The Johnson Company ENVIRONMENTAL SCIENCE AND ENGINEERING SOLUTIONS

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Montpelier, VT 05602
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February 22, 2013

Mr. Kevin Collins
Project Manager
Response and Remediation Program - Georgia Department of Natural Resources
2 Martin Luther King, Jr. Drive, S.E., Suite 1462 East Tower
Atlanta, Georgia 30334-9000

**Re: December 2012 VRP Progress Report with Updated Appendix C**
**Avery Dennison Property, Flowery Branch, Georgia – HSI No. 10578**

Mr. Collins:

As discussed with you, and on behalf of Avery Dennison Corporation, please find attached one hard copy and two complete electronic copies of the updated December 2012 Progress Report for the Avery Dennison property in Flowery Branch, Georgia (HSI No. 10578). The attached version includes a hard copy of ProUCL input and output files, as requested by EPD, as well as an updated Appendix C, as performed by the ecological risk assessor, Ted Simon, LLC. We will provide you, by email, a file transfer link to facilitate your upload of the complete electronic document to the EPD website.

If you have any questions regarding the attached report, please do not hesitate to contact Mr. Bruce Martin of Avery Dennison by phone at (508)476-5041, or by electronic mail at bruce.martin@averydennison.com.

Sincerely,
THE JOHNSON COMPANY, INC.

By: _____
Joel Behrsing, P.E. (GA, SC, VT)
Senior Engineer

cc: Bruce Martin, Avery Dennison Corporation
Glen Kirkpatrick, P.G. (TX), The Johnson Company, Inc.

Enclosure: December 2012 Progress Report with Revised Appendix C

K:\1-0145-4\Communications\120312 Transmittal Letter to EPD - VRP Status Report.doc

# VOLUNTARY INVESTIGATION AND REMEDIATION PLAN

# SEMI-ANNUAL PROGRESS REPORT

## VOLUNTARY REMEDIATION PROGRAM

**Avery Dennison Facility**
**4350 Avery Drive**
**Flowery Branch, GA**

**HSI #10578**

December 2012

The Johnson Company

ENVIRONMENTAL SCIENCE AND ENGINEERING SOLUTIONS

PARTNERS FOR SMART THINKING AND CREATIVE STRATEGIES

## TABLE OF CONTENTS

1.0 PROFESSIONAL ENGINEER CERTIFICATION ..... 1
2.0 INTRODUCTION ..... 2
3.0 DESCRIPTION OF WORK PERFORMED ..... 3
3.1 RESPONSE TO JUNE 5, 2012 COMMENTS FROM GEORGIA EPD ..... 4
3.2 CONFIRMATION OF THE CONCEPTUAL SITE MODEL ..... 4
3.3 SUBMITTAL OF FINANCIAL ASSURANCE INSTRUMENT ..... 5
3.4 ACQUISITION OF LAND PARCEL FROM WRIGLEY MANUFACTURING COMPANY, LLC ..... 5
3.5 ACTIVE VAPOR INTRUSION MITIGATION ..... 6
4.0 NEXT STEPS AND SCHEDULE ..... 8
4.1 ACQUISITION OF THE WRIGLEY PARCEL ..... 8
4.2 POINT OF DEMONSTRATION MONITORING PLAN ..... 8
4.3 FATE AND TRANSPORT MODELING ..... 8
4.4 MULTI-PHASE EXTRACTION SYSTEM INSTALLATION AND OPERATION ..... 8
4.5 UPDATED MILESTONE SCHEDULE ..... 8
5.0 PROFESSIONAL SERVICE HOURS BY THE CERTIFYING ENGINEER DURING THE REPORTING PERIOD ..... 9

## LIST OF FIGURES

Figure 2-1: Location of the Property
Figure 2-2: Parcel Identification Map
Figure 3-1: Water Table Potentiometric Map: Fall 2011
Figure 3-2: Water Table Potentiometric Map: Spring 2012
Figure 3-3: Water Table Potentiometric Map: Fall 2012
Figure 3-4: Potentiometric Map: Weathered Bedrock: Fall 2011
Figure 3-5: Potentiometric Map: Weathered Bedrock: Spring 2012
Figure 3-6: Potentiometric Map: Weathered Bedrock: Fall 2012
Figure 3-7: Potentiometric Map: Shallow Bedrock: Fall 2011
Figure 3-8: Potentiometric Map: Shallow Bedrock: Spring 2012
Figure 3-9: Potentiometric Map: Shallow Bedrock: Fall 2012
Figure 3-10: Potentiometric Map: Deep Bedrock: Fall 2011
Figure 3-11: Potentiometric Map: Deep Bedrock: Spring 2012
Figure 3-12: Potentiometric Map: Deep Bedrock: Fall 2012
Figure 3-13: Groundwater and Surface Water VOC and 1,4-Dioxane Results: 2011/2012
Figure 3-14: Conceptual Site Model: Plan View - 2012
Figure 3-15: Conceptual Site Model: Cross-Section A-A' – 2012
Figure 3-16: Conceptual Site Model: Cross-Section B-B' – 2012
Figure 3-17: Parcel to be Acquired from Wrigley Manufacturing Company, LLC
Figure 3-18: Schematic Diagram of Soil Vapor Extraction System
Figure 3-19: Cumulative VOC Mass Removal vs. Time: SVE System Operation
Figure 4-1: Updated Milestone Schedule

## LIST OF TABLES

Table 3-1: Summary of Potentiometric Data
Table 3-2: Summary of Concentrations of VOC and 1,4-Dioxane in Groundwater
Table 3-3: Summary of Concentrations of VOC and 1,4-Dioxane in Surface Water
Table 3-4: Summary of Risk Reduction Standards Exceedences in Groundwater

## LIST OF APPENDICES

Appendix A – June 5, 2012 VIRPA Approval and Comment Letters by EPD
Appendix B – Response to June 5, 2012 Comment Letter by EPD
Appendix C – Memorandum from Ted Simon, LLC
Appendix D – Laboratory Analytical Reports: Groundwater and Surface Water (on CD)
Appendix E – SVE System Construction and Operation Information
Appendix F – Laboratory Analytical Reports: Soil Vapor (on CD)
Appendix G – Industrial Pretreatment Permit Application and MPE System Description (on CD)

## 1.0 PROFESSIONAL ENGINEER CERTIFICATION

I certify under penalty of law that this report and all attachments were prepared by me or under my direct supervision in accordance with the Voluntary Remediation Program Act (O.C.G.A. Section 12-8-101, et seq.). I am a professional engineer/professional geologist who is registered with the Georgia State Board of Registration for Professional Engineers and Land Surveyors/Georgia State Board of Registration for Professional Geologists and I have the necessary experience and am in charge of investigation and remediation of this release of regulated substances.

Furthermore, to document my direct oversight of the Voluntary Remediation Plan development, implementation of corrective action, and long term monitoring, I have attached a monthly summary of hours invoiced and a description of services provided by me to the Voluntary Remediation Program participant since the previous submittal to the Georgia Environmental Protection Division.

The information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

*Joel Behrsing, Georgia PE033869*

Signature and Stamp



## 2.0 INTRODUCTION

In accordance with the requirements of the Voluntary Remediation Program (VRP), The Johnson Company, Inc. (JCO) has prepared this Voluntary Investigation and Remediation Plan (VIRP) Semiannual Progress Report (Progress Report) on behalf of Avery Dennison Corporation (Avery) for the Avery Dennison Property at 4350 Avery Drive, Flowery Branch, Hall County, Georgia (the Property). The location of the Property is shown in Figure 2-1, and is identified on Figure 2-2 as Parcel Number 08073 000003D. A portion of the Property is currently listed on the Hazardous Site Inventory, HSI No. 10578, (the Site) for releases of chlorinated compounds in soil and groundwater. A Voluntary Investigation and Remediation Program Application (VIRPA) was submitted to the Georgia Environmental Protection Division (EPD) for the Property on December 23, 2011. On June 5, 2012, EPD approved the VIRPA with comments (see Appendix A) and entered the Property into the VRP. This Progress Report – the first since approval of the VIRPA - has been prepared to describe the activities performed during the period of December 23, 2011 to December 5, 2012.

## 3.0 DESCRIPTION OF WORK PERFORMED

The activities currently identified to be performed at the Site under the VRP are outlined in the following documents:

- VIRPA, dated December 23, 2011;
- EPD VIRPA approval letter dated June 5, 2012; and the
- EPD VIRPA comment letter dated June 5, 2012 (see Appendix A).

The activities that have been performed by Avery, or on Avery's behalf, from December 23, 2011 through December 5, 2012 are as follows:

- review and preparation of responses to VIRPA comments provided by EPD on June 5, 2012 (*see Section 3.1*);

- compilation and evaluation of groundwater and surface water analyses, including volatile organic compounds (VOC) and 1,4-dioxane, for samples collected in fall 2011 (*see Section 3.2*);

- performance of groundwater and surface water sampling during spring 2012 for analyses of VOC and 1,4-dioxane, and compilation and evaluation of the data to confirm horizontal and vertical delineation of VOC and 1,4-dioxane in groundwater (*see Section 3.2*);

- performance of a groundwater and surface water sampling event during fall 2012 to confirm the horizontal and vertical delineation of VOC and 1,4-dioxane in groundwater (*see Section 3.2*);

- preparation and submittal of a Financial Assurance Instrument (*see Section 3.3*);

- extensive interaction with Wrigley Manufacturing Company, LLC (Wrigley) as part of Avery's pending acquisition of an abutting land parcel from Wrigley (*see Section 3.4*) - the acquisition of the parcel will result in Avery owning all property containing Site constituents in soil and groundwater above Type 1 Risk Reduction Standards (RRS); and

- operation of a soil vapor extraction (SVE) system as an engineering control to mitigate potential for vapor intrusion into the Avery facility, and planning and preparation for implementation of a multi-phase extraction (MPE) system in its place in early 2013 (*see Section 3.5*).

## 3.1 RESPONSE TO JUNE 5, 2012 COMMENTS FROM GEORGIA EPD

Responses to each of the comments provided by EPD in its June 5, 2012 letter regarding the VIRPA are provided in Appendix B. The responses include revisions to Risk Reduction Standards (RRS), as requested by EPD. Avery Dennison now requests that EPD provide final approval of the Risk Reduction Standards presented in this Progress Report.

## 3.2 CONFIRMATION OF THE CONCEPTUAL SITE MODEL

The Conceptual Site Model (CSM) and delineation of VOC and 1,4-dioxane in groundwater presented in the VIRPA were confirmed by the results of three groundwater and surface water monitoring events evaluated following submission of the VIRPA: Fall 2011, Spring 2012, and Fall 2012.[1] Samples were collected per the methods described in the March 2010 Compliance Status Report (CSR) and analyzed for VOC by EPA Method 8260B and for 1,4-dioxane by selective ion monitoring (SIM) to achieve laboratory reporting limits below the applicable Type 1 RRS. In addition, site-wide potentiometric monitoring events were performed in the same manner reported in the CSR.

Potentiometric data collected during the monitoring events is presented in summary form in Table 3-1. Mapped potentiometric contours are presented for each of the three monitoring events in Figures 3-1 through 3-12 for the water table, weathered bedrock, and shallow and deep bedrock units. Observed patterns are consistent with the CSM presented in the VIRPA.

Laboratory analytical results for groundwater and surface water samples are presented in Tables 3-2 and 3-3, respectively, and are presented in Figure 3-13. The associated laboratory reports are presented in Appendix D. Exceedences of applicable non-residential Type 3/4 RRS in groundwater are summarized in Table 3-4.

[1] Two monitoring events were described in the VIRPA; however, a third confirmatory event was performed in Fall 2012 due to atypical rises in stream stage prior to the Fall 2011 and Spring 2012 events as a result of beaver activity. The beavers were trapped during the Spring 2012 event and removed from the area. The dam was manually removed at the start of the Fall 2011 and Spring 2012 sampling events. It was not present for the Fall 2012 event.

Horizontal delineation of Site constituents to applicable Type 1 RRS in groundwater has been achieved, as shown in Figure 3-14. Vertical delineation of Site constituents to applicable Type 1 RRS in groundwater has also been achieved to the extent that is practicable – see Figures 3-15 and 3-16. Delineation of Site constituents in other applicable media was demonstrated in prior submittals to EPD.

### 3.3 SUBMITTAL OF FINANCIAL ASSURANCE INSTRUMENT

In its June 5, 2012 VIRPA acceptance letter, EPD requested that Avery submit to EPD no later than September 5, 2012 a Financial Assurance Instrument (FAI) in the amount of the estimated cost to complete the work proposed in the VIRPA. The FAI was submitted to the Director of EPD by certified mail on August 28, 2012.

### 3.4 ACQUISITION OF LAND PARCEL FROM WRIGLEY MANUFACTURING COMPANY, LLC

On July 30, 2012, Avery and JCO met with Mr. David Brownlee and Mr. Kevin Collins of EPD to provide an update on Avery's activities at the Site. At the meeting, Avery representatives advised EPD of Avery's intent to acquire a parcel of land from Wrigley that would result in the entire area containing Site constituents at concentrations above Type 1 RRS being on land owned by Avery. The dimensions of the parcel were discussed, and EPD concurred that the dimensions of the parcel shown on Figure 3-17 would be suitable as an additional qualifying property under the VRP, and to address Comment #5 of the June 5, 2012 comment letter from EPD to Avery Dennison (see Appendix A).

Since the July 30, 2012 meeting at EPD, Avery and Wrigley representatives have had extensive discussions concerning the Wrigley parcel, and are now moving toward completion of the transactional documents necessary to finalize the acquisition. Upon completion of the transaction, Avery will promptly seek to include the acquired parcel as a qualifying property under the VRP.

## 3.5 ACTIVE VAPOR INTRUSION MITIGATION

As described in the VIRPA, Avery proactively commenced design and installation of a multi-phase extraction (MPE) system for the southern source area, including a portion of the facility footprint, several months prior to the VIRPA acceptance by EPD. An MPE pilot test was performed, and a *Multiphase Extraction Pilot Test Report* was submitted to EPD in May 2011. The report was also provided as an appendix to the VIRPA. Following successful completion of the pilot test, Avery began negotiations with the City of Flowery Branch to accept treated groundwater from the MPE system into its Publicly Owned Treatment Works (POTW). Avery expected that the process, including approvals from City Council, would require several months. Therefore, the MPE system components, which had already been installed in anticipation of Avery obtaining a POTW discharge permit, were configured in July 2011 for interim operation as a soil vapor extraction (SVE) system, i.e., vapor extraction without groundwater extraction.

Operation of the SVE system, which is depicted on Figure 3-18, began on July 14, 2011. Additional information regarding the SVE system construction, components, and operation is provided in Appendix E. The SVE system has operated continuously since start-up, except for a few brief occasions when it has been shut down due to power outages or maintenance events. As of November 1, 2012, the System uptime is 98 percent over a total duration of 475 days.

Figure 3-19 shows the cumulative mass of VOC removed by the SVE system over its period of operation. As of October 26, 2012, over 1,500 pounds of VOC had been removed from the unsaturated zone of the southern source area, as determined by laboratory EPA Method TO-15 analyses of monthly samples collected from each extraction well, and individual measurements of air flow from each extraction well using a hot wire anemometer. Example calculations of mass removal are provided in Appendix E. Laboratory analytical reports for the monthly analyses of extracted soil vapor from each operational SVE well are provided in Appendix F. Of the over 1,500 pounds of VOC removed, approximately 28 percent of the mass removed was 1,1,1-trichloroethane (1,1,1-TCA) and approximately 59 pounds was 1,1-

dichloroethene (1,1-DCE) – the primary daughter product of abiotic degradation of 1,1,1-TCA. The remaining mass fraction has been primarily comprised of toluene, methylene chloride, acetone, and 1,1-dichloroethane. None of the VOC amounts emitted to outdoor ambient air by rooftop stack are significant in comparison to the threshold criteria for treatment of VOC discharge to ambient air, which are 40,000 and 4,000 pounds per year for total VOC and individual Hazardous Air Pollutants (HAP)[2], respectively.[3]

After receiving approval from the City of Flowery Branch to discharge treated groundwater at its POTW, Avery filed an application with EPD for an Industrial Pretreatment Permit (the Permit). The Permit application includes a description of the planned MPE system, and is provided herein as Appendix G. EPD approved the application for the Permit on July 17, 2012. JCO then continued the implementation planning of the MPE system and began procurement of the necessary groundwater treatment system components on behalf of Avery. It is anticipated that installation of the final components of the MPE system, and commencement of its operation, will occur in the first quarter of 2013. The as-built details will be provided with the first Progress Report that is submitted after construction completion, which is anticipated to be the June 2013 Progress Report.

The operation of the SVE system is scheduled to continue until the aboveground infrastructure of the MPE system, including the groundwater treatment system, is ready to connect to the MPE wells.

[2] 1,1-DCE is classified as a HAP; 1,1,1-TCA is not.
[3] Other applicable threshold criteria for treatment of VOC discharges to ambient air are 15 pounds per day of an individual HAP, and 10,000 pounds per year for total HAP – all of which are a factor of 10 or more above the calculated emissions.

# 4.0 NEXT STEPS AND SCHEDULE

## 4.1 ACQUISITION OF THE WRIGLEY PARCEL

As described in Section 3.4, Avery is diligently moving toward completion of the transaction to acquire a parcel of land that would result in Avery owning all of the property within which site constituents exceed Type 1 RRS in groundwater (see Figure 3-17). Following completion of the acquisition, Avery will promptly seek to include the acquired parcel as a qualifying property under the VRP.

## 4.2 POINT OF DEMONSTRATION MONITORING PLAN

A Point of Demonstration (POD) Monitoring Plan will be developed and provided with the next Progress Report, as requested by EPD.

## 4.3 FATE AND TRANSPORT MODELING

A groundwater model will be developed to evaluate future potential for groundwater constituents associated with the Site to discharge to the unnamed tributary to Mud Creek at concentrations that exceed applicable in-stream water quality standards (ISWQS). The model will be developed and validated prior to the December 2013 Progress Report, and the POD Monitoring Plan will be amended, if necessary, following evaluation of the groundwater model results.

## 4.4 MULTI-PHASE EXTRACTION SYSTEM INSTALLATION AND OPERATION

As described in Section 3.5, the MPE system installation is anticipated to be completed in early 2013, after which operation of the MPE system as an engineering control will begin. In the meantime, operation of the SVE system will continue. As-built drawings of the MPE system will be provided in the first Progress Report due after the system operation commences.

## 4.5 UPDATED MILESTONE SCHEDULE

An updated milestone schedule for the project is shown in Figure 4-1.

## 5.0 PROFESSIONAL SERVICE HOURS BY THE CERTIFYING ENGINEER DURING THE REPORTING PERIOD

Below is a summary and monthly breakdown of the 156.75 professional service hours provided to the project by the Engineer of Record, Mr. Joel Behrsing, P.E., since December 23, 2011, the date of the most recent document submittal to EPD.

- *January 2012 – 29.25 hours*. Design of the MPE system and assessment of Permit requirements. Review of SVE performance and mass removal calculations.

- *February 2012 – 26.5 hours*. Design of the MPE system and review of SVE performance data and mass removal calculations. Review EPD comments on other VRP projects.

- *March 2012 – 8.25 hours.* Design of the MPE system and review of SVE performance data and mass removal calculations.

- *April 2012 – 4.5 hours.* Design of the MPE system and preparation of the Permit application.

- *May 2012 – 7.5 hours*. Coordination with EPD for Site visit to be attended by JCO. Performance modifications to SVE system. Review Permit application and meet public notice requirement.

- *June 2012 – 15.75 hours*. Review June 5, 2012 comment letter by EPD. Contact EPD regarding Permit specifics following submittal. Review applicable surface water quality rules. Review of remediation cost estimate to be provided to EPD. Oversee engineering staff for MPE design.

- *July 2012 – 3 hours*. Oversee engineering staff for SVE system operation and mass removal determination. Review correspondence regarding EPD comments.

- *August 2012 – 19.5 hours*. Review correspondence regarding land acquisition from Wrigley. Multiple calls with EPD regarding the Permit application. Oversee MPE design efforts and SVE system performance.

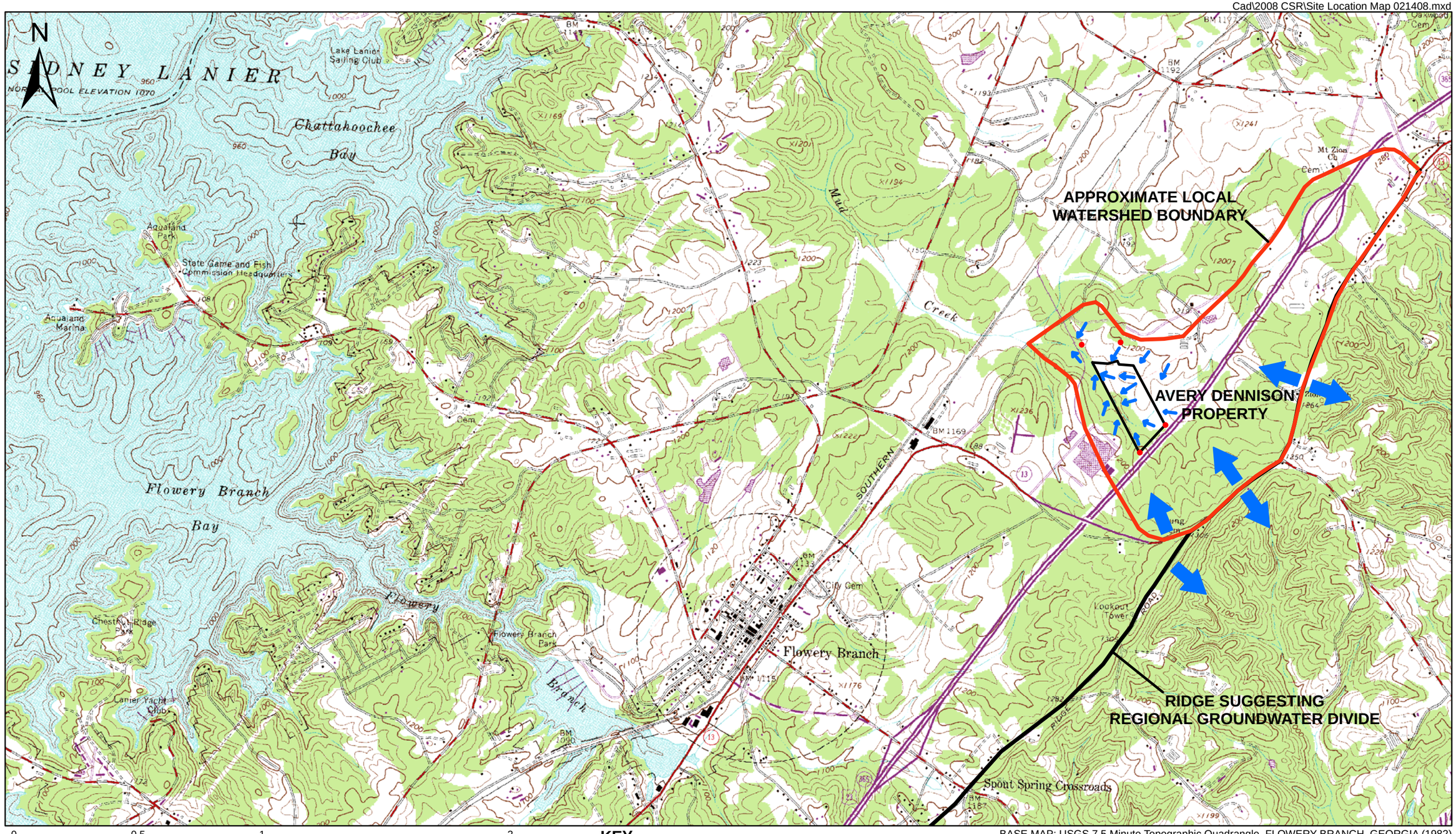
- *September 2012 – 37.5 hours*. Oversee building repairs proximate to the SVE system. Oversee SVE system performance evaluation. Review of financial assurance documentation and final engineering cost estimate. Coordination with contractors for MPE system installation preparation.

- *October 2012 – 4.5 hours.* SVE system performance evaluation. Updates from staff regarding preparation of the Progress Report.

- *November 2012 – 21.75 hours.* Review draft Progress Report, including hydrogeologic interpretations performed by Mr. Chris Turner, P.G., a Professional Geologist registered in the State of Georgia (P.G. #2035), and review layout for advanced oxidation treatment unit.

# FIGURES

Cad\2008 CSR\Site Location Map 021408.mxd




0 0.5 1 2

MILES

1000 0 1000 2000 3000 4000 5000 6000 7000

FEET

CONTOUR INTERVAL: 20 FEET

**KEY**

LOCAL GROUNDWATER FLOW DIRECTION

REGIONAL GROUNDWATER FLOW DIRECTION

BASE MAP: USGS 7.5 Minute Topographic Quadrangle, FLOWERY BRANCH, GEORGIA (1982)

# FIGURE 2-1: LOCATION MAP
# AVERY DENNISON PROPERTY
# FLOWERY BRANCH, GEORGIA

P:
TJKCAD
JCO
LOGO_N11x17H-3.dwg

The Johnson Company

100 State Street, Suite 600
Montpelier, VT 05602

Drawn by: DWS Date: 2/14/08
Reviewed by: GAK Date: 3/3/08
Scale: 1"=2000' Project: 1-0145-4

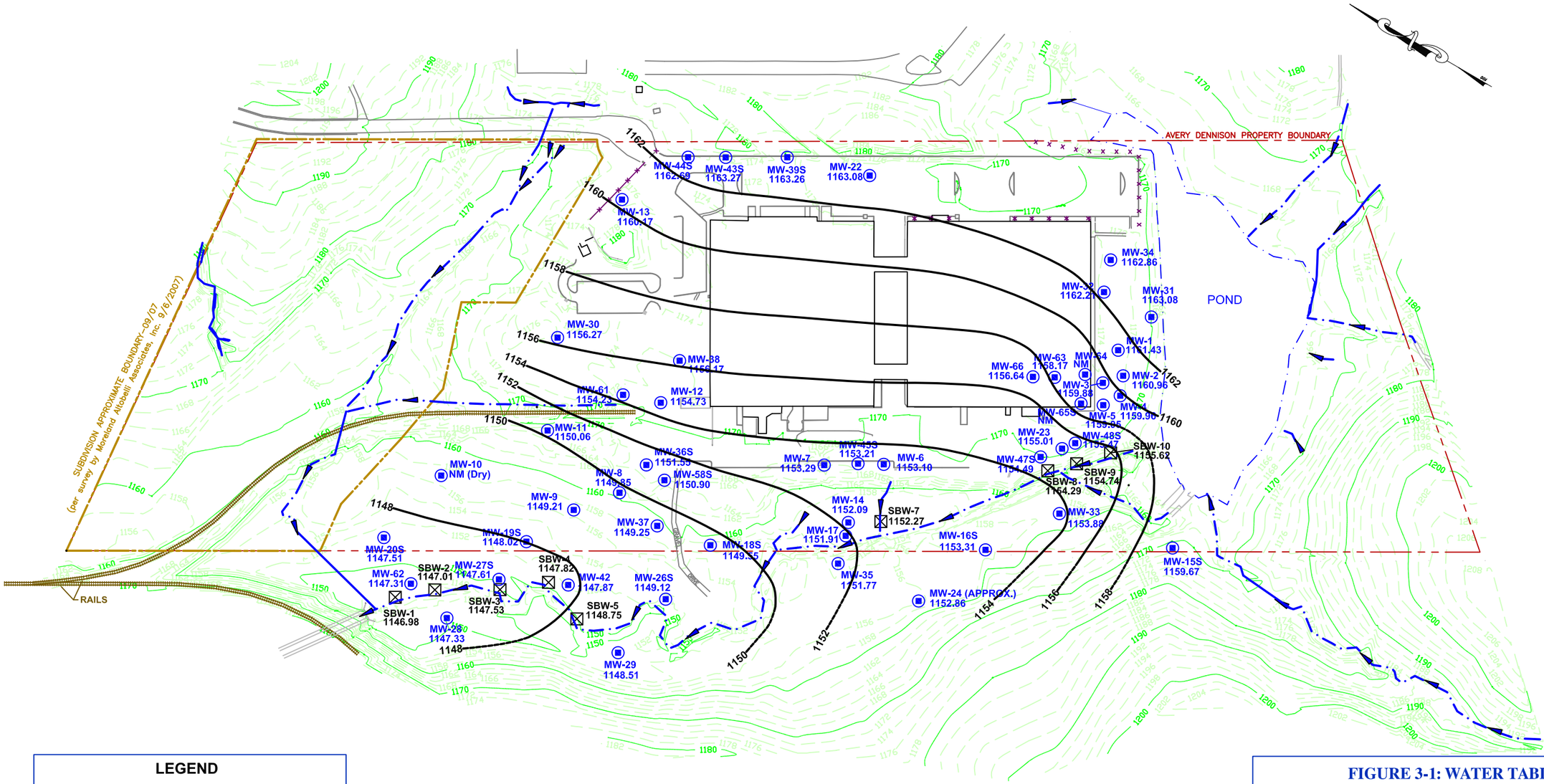



FIGURE 2-2: PARCEL IDENTIFICATION MAP
AVERY DENNISON AND VICINITY
FLOWERY BRANCH, GEORGIA

The Johnson Company

100 State Street, Suite 600
Montpelier, VT 05602

| | |
|---|---|
| Drawn by: DPB | Date: 12/15/11 |
| Chk'd by: GAK | Date: 12/15/11 |
| App'd by: GAK | Date: 12/15/11 |
| Scale: As Shown | Project: 1-0145-4 |




## LEGEND

- MW-19S 1148.71 — UNCONSOLIDATED DEPOSITS WELL AND WATER ELEVATION (FT. AMSL)
- SBW-2 1146.70 — STREAM GAUGE AND SURFACE WATER ELEVATION (FT. AMSL)
- GROUNDWATER ELEVATION (2-ft intervals, dashed where inferred) Oct. 17, 2011
- GROUND ELEVATION (10-ft Major Intervals)
- GROUND ELEVATION (2-ft Minor Intervals)
- DIRECTION OF SURFACE WATER FLOW

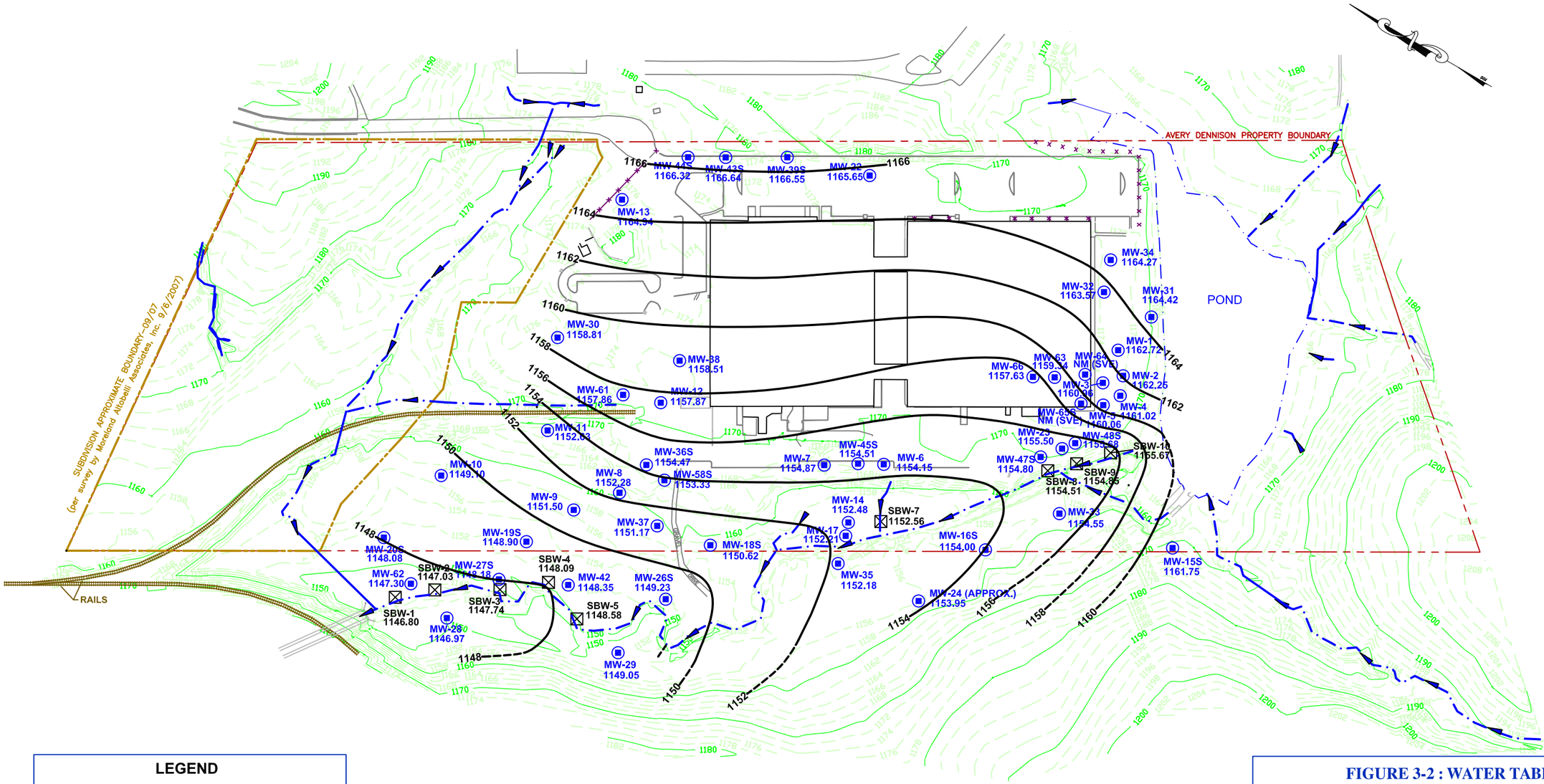
0 50 100 200
SCALE IN FEET

K:\1-0145-4\Cad\Potentiometric Maps (LT 2009).dwg

# FIGURE 3-1: WATER TABLE POTENTIOMETRIC MAP - FALL 2011 AVERY DENNISON FACILITY FLOWERY BRANCH, GEORGIA


The Johnson Company
100 State Street, Suite 600
Montpelier, VT 05602


Drawn by: TEH Date: 12/07/11
Reviewed by: CMT Date: 12/09/11
Scale: As Shown Project: 1-0145-4




## LEGEND

- MW-19S 1148.71 — UNCONSOLIDATED DEPOSITS WELL AND WATER ELEVATION (FT. AMSL)
- SBW-2 1146.70 — STREAM GAUGE AND SURFACE WATER ELEVATION (FT. AMSL)
- GROUNDWATER ELEVATION (2-ft intervals, dashed where inferred) May 26, 2012
- GROUND ELEVATION (10-ft Major Intervals)
- GROUND ELEVATION (2-ft Minor Intervals)
- DIRECTION OF SURFACE WATER FLOW

# FIGURE 3-2 : WATER TABLE POTENTIOMETRIC MAP - SPRING 2012 AVERY DENNISON FACILITY FLOWERY BRANCH, GEORGIA

K:\1-0145-4\Cad\Potentiometric Maps (LT 2009).dwg

The Johnson Company

100 State Street, Suite 600
Montpelier, VT 05602

Drawn by: TEH Date: 5/17/12
Reviewed by: CMT Date: 7/30/12
Scale: As Shown Project: 1-0145-4

AVERY DENNISON PROPERTY BOUNDARY

SUBDIVISION APPROXIMATE BOUNDARY-09/07
(per survey by Moreland Altobelli Associates, Inc. 9/6/2007)

RAILS

POND

MW-44S 1164.57
MW-43S 1165.06
MW-39S 1164.88
MW-22 1164.15
MW-13 1162.09
MW-34 1163.10
MW-32 1162.46
MW-31 1163.25
MW-30 1156.19
MW-1 1161.68
MW-38 1156.29
MW-63 1158.39
MW-64 NM (SVE)
MW-66 1157.04
MW-2 1161.28
MW-61 1155.15
MW-12 1155.45
MW-3 1160.16
MW-65S NM (SVE) 1159.35
MW-5 1160.21
MW-4
MW-11 1150.90
MW-23 1155.15
MW-48S 1155.85
SBW-10 1155.64
MW-36S 1152.48
MW-45S 1153.69
MW-7 1153.79
MW-6 1153.55
MW-47S 1154.66
SBW-9 1154.78
SBW-8 1154.51
MW-10 1148.05
MW-58S 1151.81
MW-8 1150.90
MW-5 1150.03
MW-14 1152.30
SBW-7 1152.51
MW-33 1154.33
MW-37 1150.21
MW-17 1152.11
MW-16S 1153.70
MW-19S 1148.37
MW-18S 1150.21
MW-20S 1147.48
SBW-4 1147.84
MW-15S 1160.55
SBW-2 1147.04
MW-27S 1147.77
MW-62 1147.16
MW-42 1148.35
MW-26S 1149.46
MW-35 1151.97
MW-24 (APPROX.) 1153.19
SBW-3 1147.58
SBW-5 1148.33
SBW-1 1146.89
MW-28 1147.16
MW-29 1148.75

## LEGEND

- MW-19S 1148.71 — UNCONSOLIDATED DEPOSITS WELL AND WATER ELEVATION (FT. AMSL)
- SBW-2 1146.70 — STREAM GAUGE AND SURFACE WATER ELEVATION (FT. AMSL)
- GROUNDWATER ELEVATION (2-ft intervals, dashed where inferred) Oct. 17, 2012
- GROUND ELEVATION (10-ft Major Intervals)
- GROUND ELEVATION (2-ft Minor Intervals)
- DIRECTION OF SURFACE WATER FLOW

0 50 100 200
SCALE IN FEET

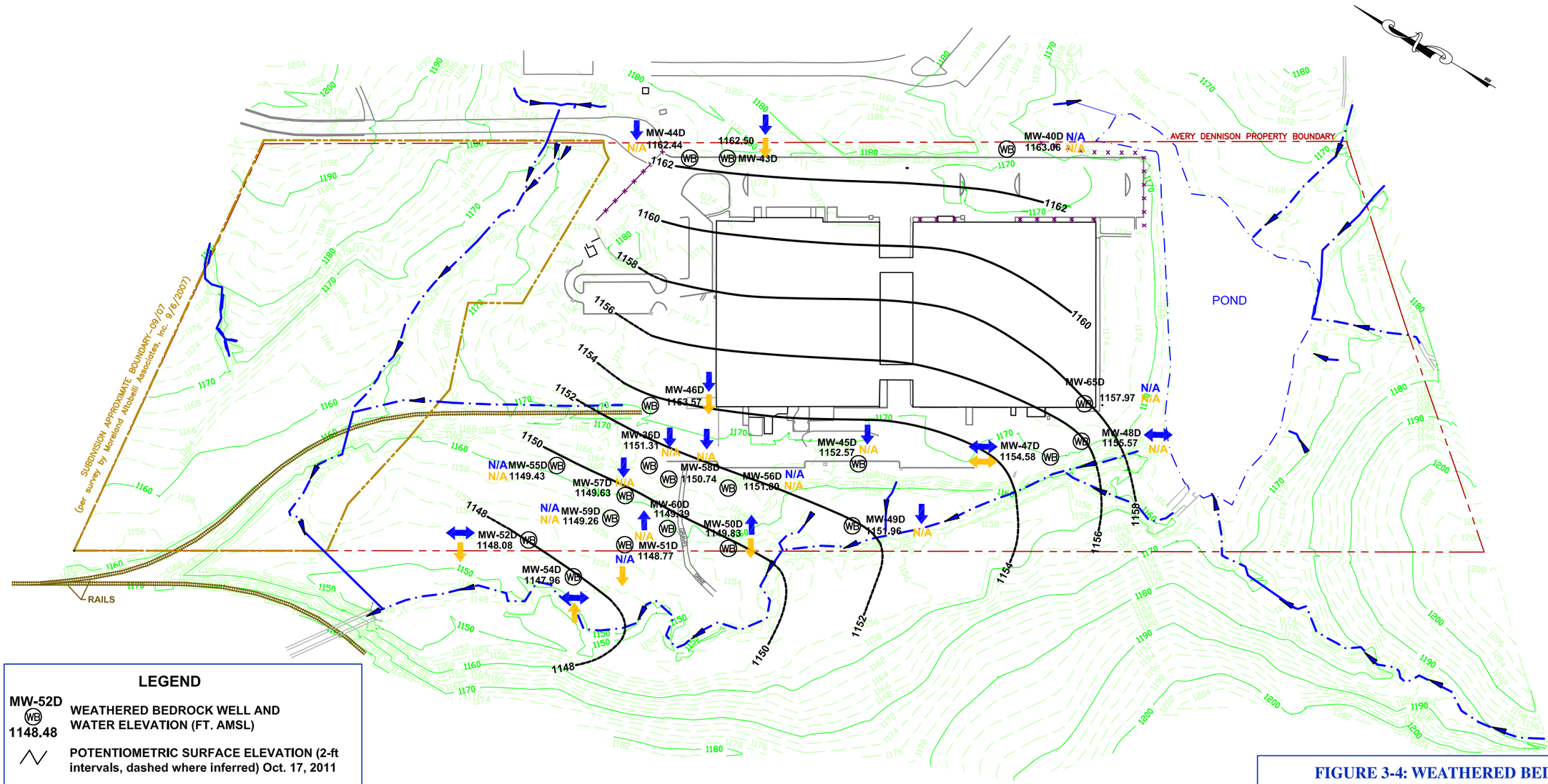
K:\1-0145-4\Cad\Potentiometric Maps (LT 2009).dwg

# FIGURE 3-3: WATER TABLE POTENTIOMETRIC MAP - FALL 2012 AVERY DENNISON FACILITY FLOWERY BRANCH, GEORGIA

The Johnson Company

100 State Street, Suite 600
Montpelier, VT 05602

| | |
|---|---|
| Drawn by: TEH | Date: 11/13/12 |
| Reviewed by: CMT | Date: 11/16/12 |
| Scale: As Shown | Project: 1-0145-4 |




## LEGEND

- MW-52D (WB) 1148.48 — WEATHERED BEDROCK WELL AND WATER ELEVATION (FT. AMSL)
- POTENTIOMETRIC SURFACE ELEVATION (2-ft intervals, dashed where inferred) Oct. 17, 2011
- GROUND ELEVATION (10-ft Major Intervals)
- GROUND ELEVATION (2-ft Minor Intervals)
- DIRECTION OF SURFACE WATER FLOW
- DIRECTION OF VERTICAL GRADIENT TO/FROM UNCONSOLIDATED DEPOSITS
- DIRECTION OF VERTICAL GRADIENT TO/FROM SHALLOW BEDROCK

Notes:
N/A - No unconsolidated deposits well at this location for comparison.
N/A - No shallow bedrock well at this location for comparison.

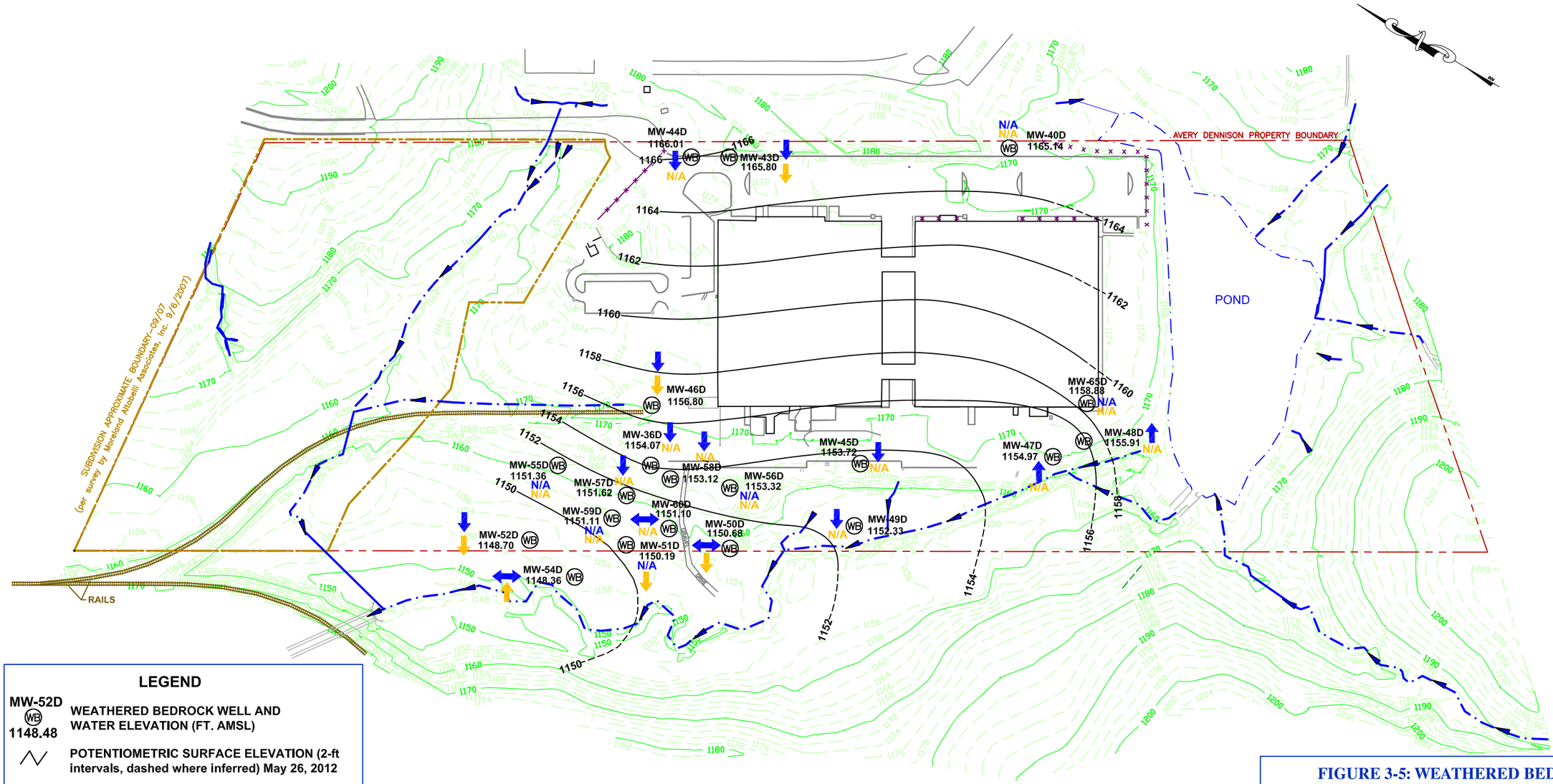
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SCALE IN FEET

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# FIGURE 3-4: WEATHERED BEDROCK POTENTIOMETRIC MAP - FALL 2011 AVERY DENNISON FACILITY FLOWERY BRANCH, GEORGIA

The Johnson Company
100 State Street, Suite 600
Montpelier, VT 05602

Drawn by: TEH Date: 12/07/11
Reviewed by: CMT Date: 12/09/11
Scale: As Shown Project: 1-0145-4




## LEGEND

- MW-52D (WB) 1148.48 — WEATHERED BEDROCK WELL AND WATER ELEVATION (FT. AMSL)
- POTENTIOMETRIC SURFACE ELEVATION (2-ft intervals, dashed where inferred) May 26, 2012
- GROUND ELEVATION (10-ft Major Intervals)
- GROUND ELEVATION (2-ft Minor Intervals)
- DIRECTION OF SURFACE WATER FLOW
- DIRECTION OF VERTICAL GRADIENT TO/FROM UNCONSOLIDATED DEPOSITS
- DIRECTION OF VERTICAL GRADIENT TO/FROM SHALLOW BEDROCK

Notes:
N/A - No unconsolidated deposits well at this location for comparison.
N/A - No shallow bedrock well at this location for comparison.

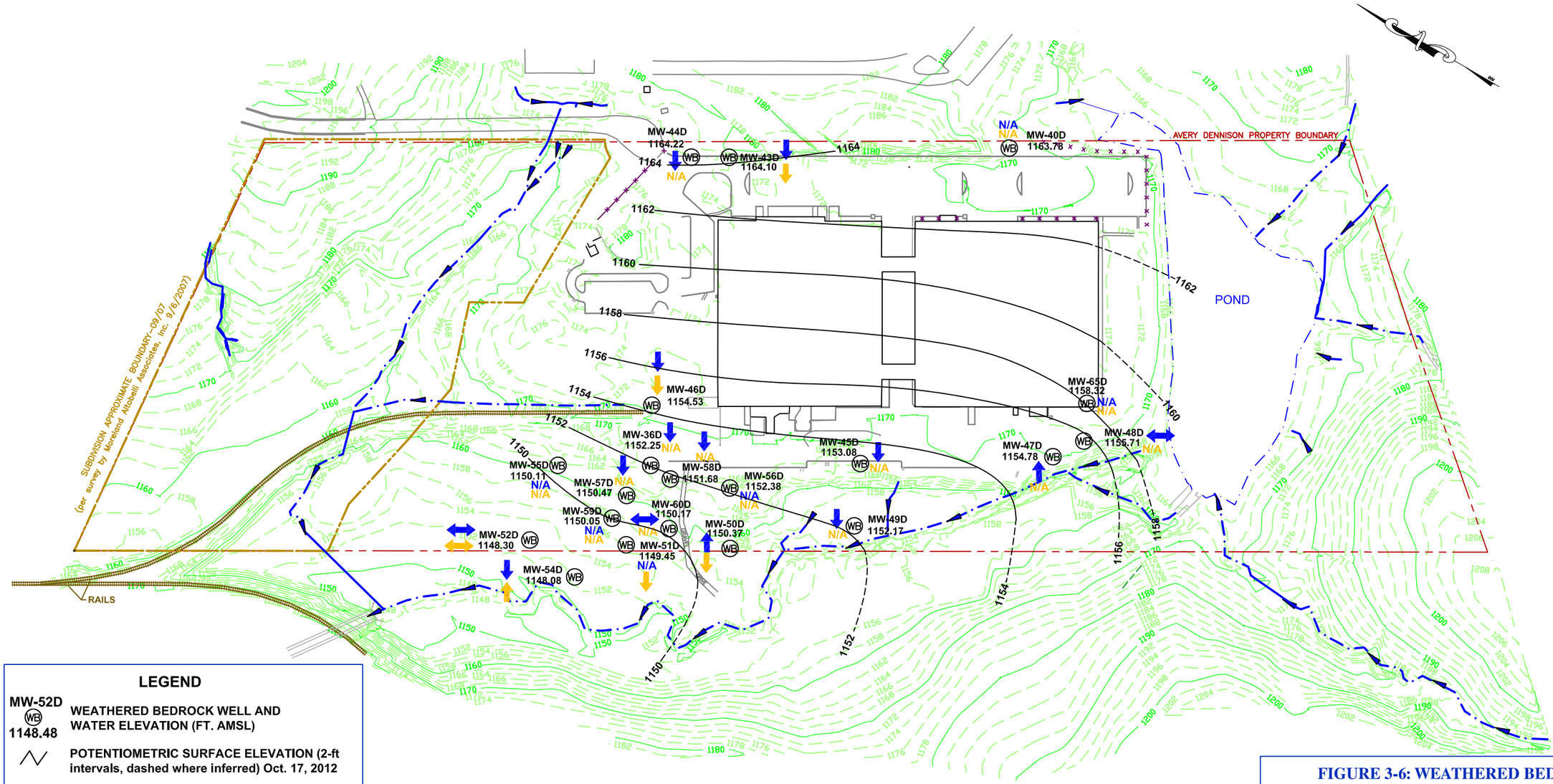
0 50 100 200
SCALE IN FEET

K:\1-0145-4\Cad\Potentiometric Maps (LT 2009).dwg

# FIGURE 3-5: WEATHERED BEDROCK POTENTIOMETRIC MAP - SPRING 2012 AVERY DENNISON FACILITY FLOWERY BRANCH, GEORGIA

The Johnson Company
100 State Street, Suite 600
Montpelier, VT 05602

Drawn by: TEH Date: 5/17/12
Reviewed by: CMT Date: 7/30/12
Scale: As Shown Project: 1-0145-4




## LEGEND

- MW-52D (WB) 1148.48 — WEATHERED BEDROCK WELL AND WATER ELEVATION (FT. AMSL)
- POTENTIOMETRIC SURFACE ELEVATION (2-ft intervals, dashed where inferred) Oct. 17, 2012
- GROUND ELEVATION (10-ft Major Intervals)
- GROUND ELEVATION (2-ft Minor Intervals)
- DIRECTION OF SURFACE WATER FLOW
- DIRECTION OF VERTICAL GRADIENT TO/FROM UNCONSOLIDATED DEPOSITS
- DIRECTION OF VERTICAL GRADIENT TO/FROM SHALLOW BEDROCK

Notes:
N/A - No unconsolidated deposits well at this location for comparison.
N/A - No shallow bedrock well at this location for comparison.

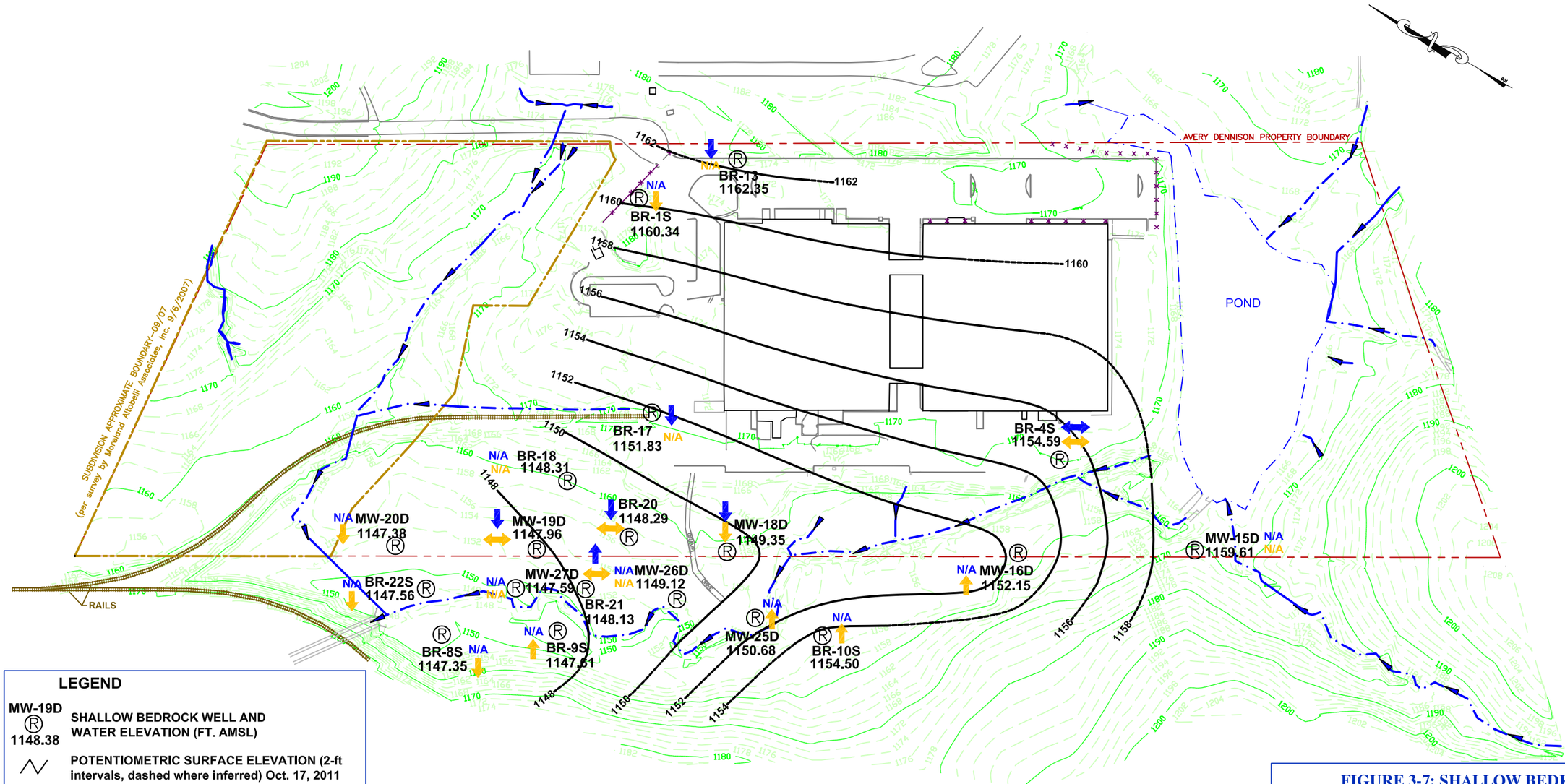
0 50 100 200
SCALE IN FEET

K:\1-0145-4\Cad\Potentiometric Maps (LT 2009).dwg

# FIGURE 3-6: WEATHERED BEDROCK POTENTIOMETRIC MAP - FALL 2012 AVERY DENNISON FACILITY FLOWERY BRANCH, GEORGIA

The Johnson Company
100 State Street, Suite 600
Montpelier, VT 05602

Drawn by: TEH Date: 11/13/12
Reviewed by: CMT Date: 11/16/12
Scale: As Shown Project: 1-0145-4




## LEGEND

- MW-19D (R) 1148.38 — SHALLOW BEDROCK WELL AND WATER ELEVATION (FT. AMSL)
- POTENTIOMETRIC SURFACE ELEVATION (2-ft intervals, dashed where inferred) Oct. 17, 2011
- GROUND ELEVATION (10-ft Major Intervals)
- GROUND ELEVATION (2-ft Minor Intervals)
- DIRECTION OF SURFACE WATER FLOW
- DIRECTION OF VERTICAL GRADIENT TO/FROM WEATHERED BEDROCK AND/OR UNCONSOLIDATED DEPOSITS
- DIRECTION OF VERTICAL GRADIENT TO/FROM DEEP BEDROCK

Notes:
N/A - No unconsolidated deposits or weathered bedrock well at this location for comparison.
N/A - No deep bedrock well at this location for comparison.

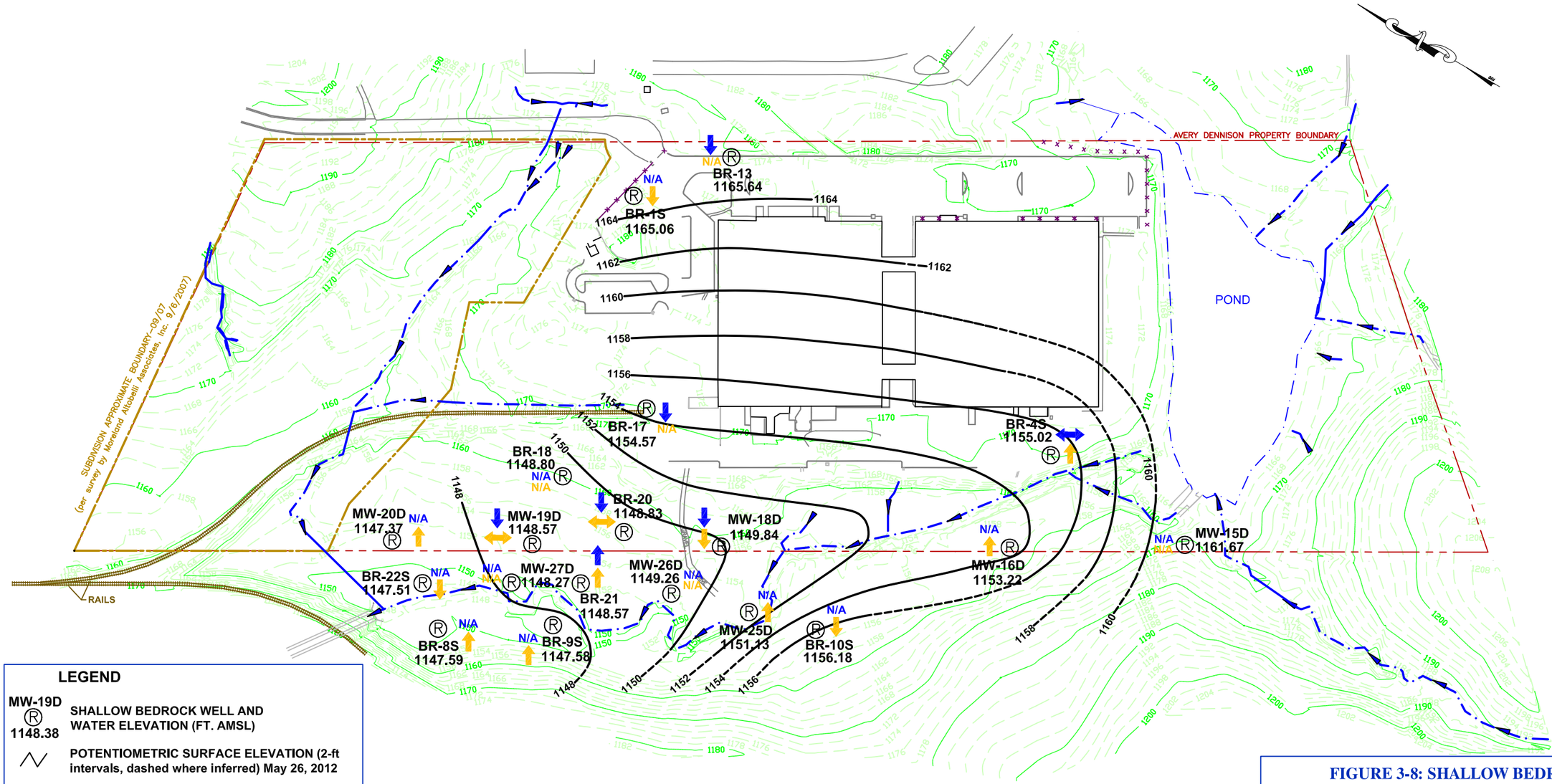
0 50 100 200
SCALE IN FEET

K:\1-0145-4\Cad\Potentiometric Maps (LT 2009).dwg

# FIGURE 3-7: SHALLOW BEDROCK POTENTIOMETRIC MAP - FALL 2011 AVERY DENNISON FACILITY FLOWERY BRANCH, GEORGIA

The Johnson Company
100 State Street, Suite 600
Montpelier, VT 05602

| | |
|---|---|
| Drawn by: TEH | Date: 12/07/11 |
| Reviewed by: CMT | Date: 12/09/11 |
| Scale: As Shown | Project: 1-0145-4 |




## LEGEND

- MW-19D (R) 1148.38 — SHALLOW BEDROCK WELL AND WATER ELEVATION (FT. AMSL)
- POTENTIOMETRIC SURFACE ELEVATION (2-ft intervals, dashed where inferred) May 26, 2012
- GROUND ELEVATION (10-ft Major Intervals)
- GROUND ELEVATION (2-ft Minor Intervals)
- DIRECTION OF SURFACE WATER FLOW
- DIRECTION OF VERTICAL GRADIENT TO/FROM WEATHERED BEDROCK AND/OR UNCONSOLIDATED DEPOSITS
- DIRECTION OF VERTICAL GRADIENT TO/FROM DEEP BEDROCK

Notes:
N/A - No unconsolidated deposits or weathered bedrock well at this location for comparison.
N/A - No deep bedrock well at this location for comparison.

0 50 100 200
SCALE IN FEET

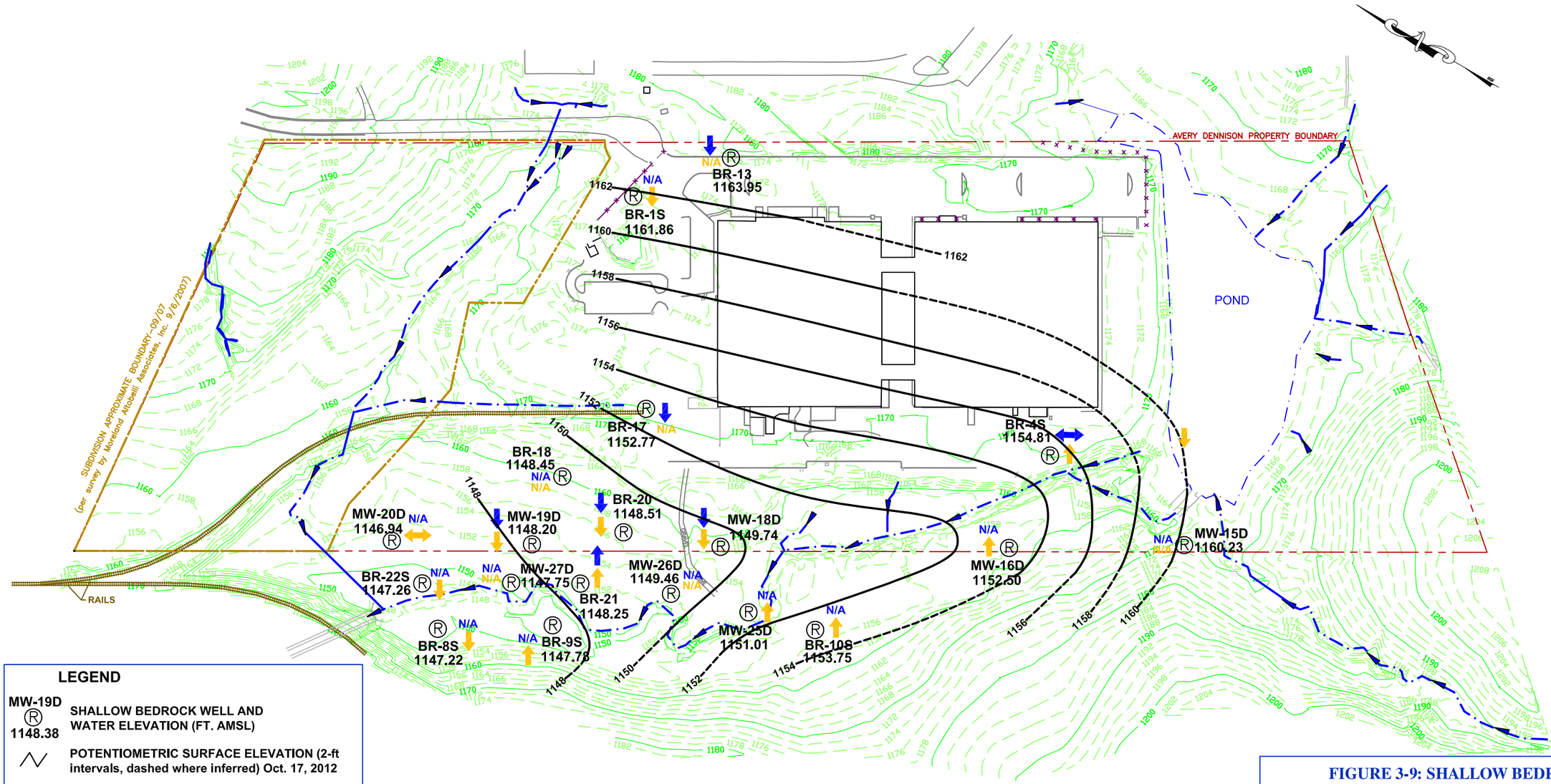
K:\1-0145-4\Cad\Potentiometric Maps (LT 2009).dwg

# FIGURE 3-8: SHALLOW BEDROCK POTENTIOMETRIC MAP - SPRING 2012 AVERY DENNISON FACILITY FLOWERY BRANCH, GEORGIA

The Johnson Company

100 State Street, Suite 600
Montpelier, VT 05602

| | |
|---|---|
| Drawn by: TEH | Date: 5/17/12 |
| Reviewed by: CMT | Date: 7/30/12 |
| Scale: As Shown | Project: 1-0145-4 |




## LEGEND

- MW-19D (R) 1148.38 — SHALLOW BEDROCK WELL AND WATER ELEVATION (FT. AMSL)
- POTENTIOMETRIC SURFACE ELEVATION (2-ft intervals, dashed where inferred) Oct. 17, 2012
- GROUND ELEVATION (10-ft Major Intervals)
- GROUND ELEVATION (2-ft Minor Intervals)
- DIRECTION OF SURFACE WATER FLOW
- DIRECTION OF VERTICAL GRADIENT TO/FROM WEATHERED BEDROCK AND/OR UNCONSOLIDATED DEPOSITS
- DIRECTION OF VERTICAL GRADIENT TO/FROM DEEP BEDROCK

Notes:
N/A - No unconsolidated deposits or weathered bedrock well at this location for comparison.
N/A - No deep bedrock well at this location for comparison.

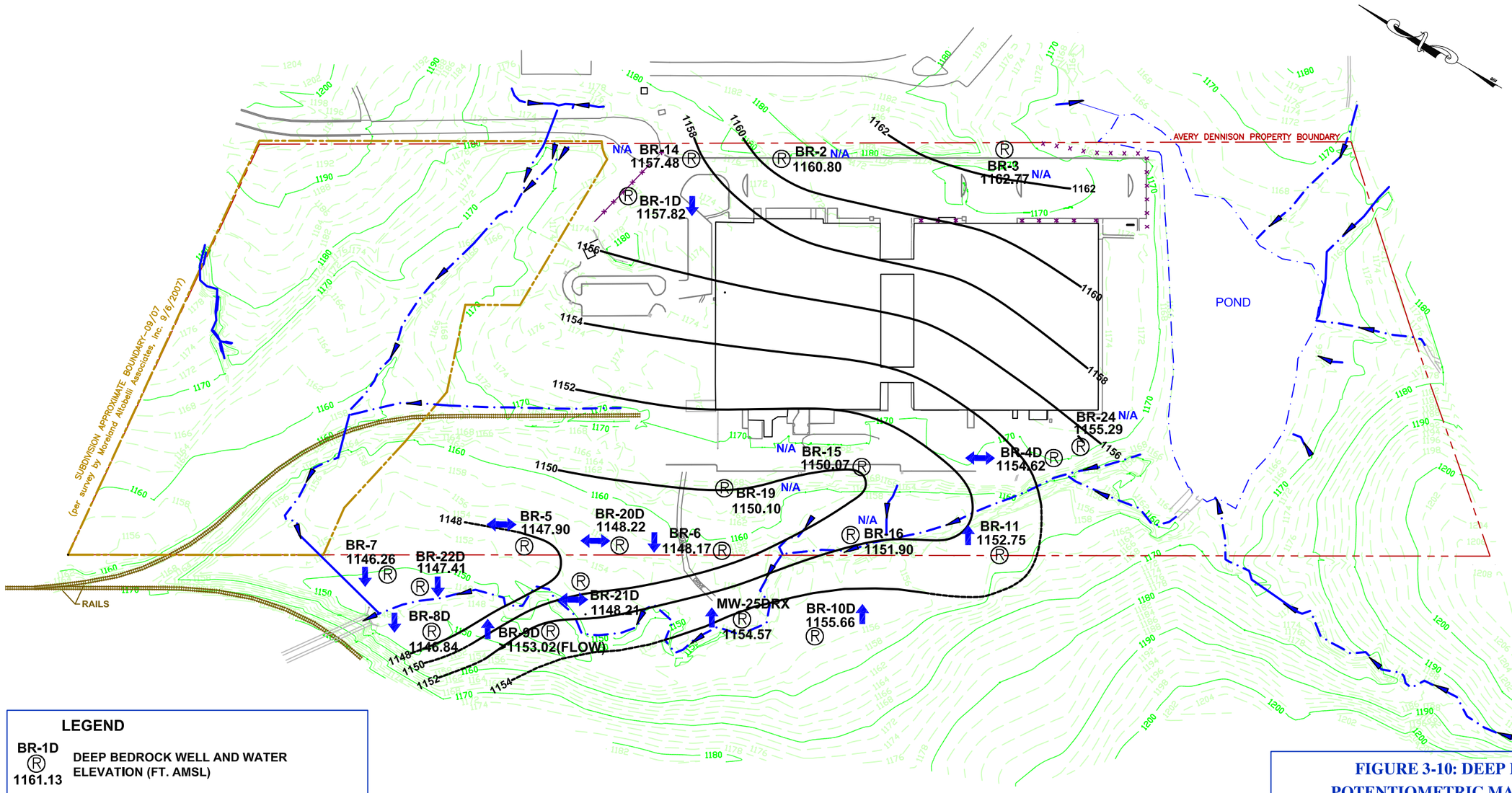
0 50 100 200
SCALE IN FEET

K:\1-0145-4\Cad\Potentiometric Maps (LT 2009).dwg

# FIGURE 3-9: SHALLOW BEDROCK POTENTIOMETRIC MAP - FALL 2012 AVERY DENNISON FACILITY FLOWERY BRANCH, GEORGIA


The Johnson Company
100 State Street, Suite 600
Montpelier, VT 05602


| | |
|---|---|
| Drawn by: TEH | Date: 11/13/12 |
| Reviewed by: CMT | Date: 11/16/12 |
| Scale: As Shown | Project: 1-0145-4 |




## LEGEND

- BR-1D 1161.13 — DEEP BEDROCK WELL AND WATER ELEVATION (FT. AMSL)
- POTENTIOMETRIC SURFACE ELEVATION (2-ft intervals, dashed where inferred) Oct. 17, 2011
- GROUND ELEVATION (10-ft Major Intervals)
- GROUND ELEVATION (2-ft Minor Intervals)
- DIRECTION OF SURFACE WATER FLOW
- DIRECTION OF VERTICAL GRADIENT TO/FROM SHALLOW BEDROCK

Notes:
N/A - No shallow bedrock well at this location for comparison.

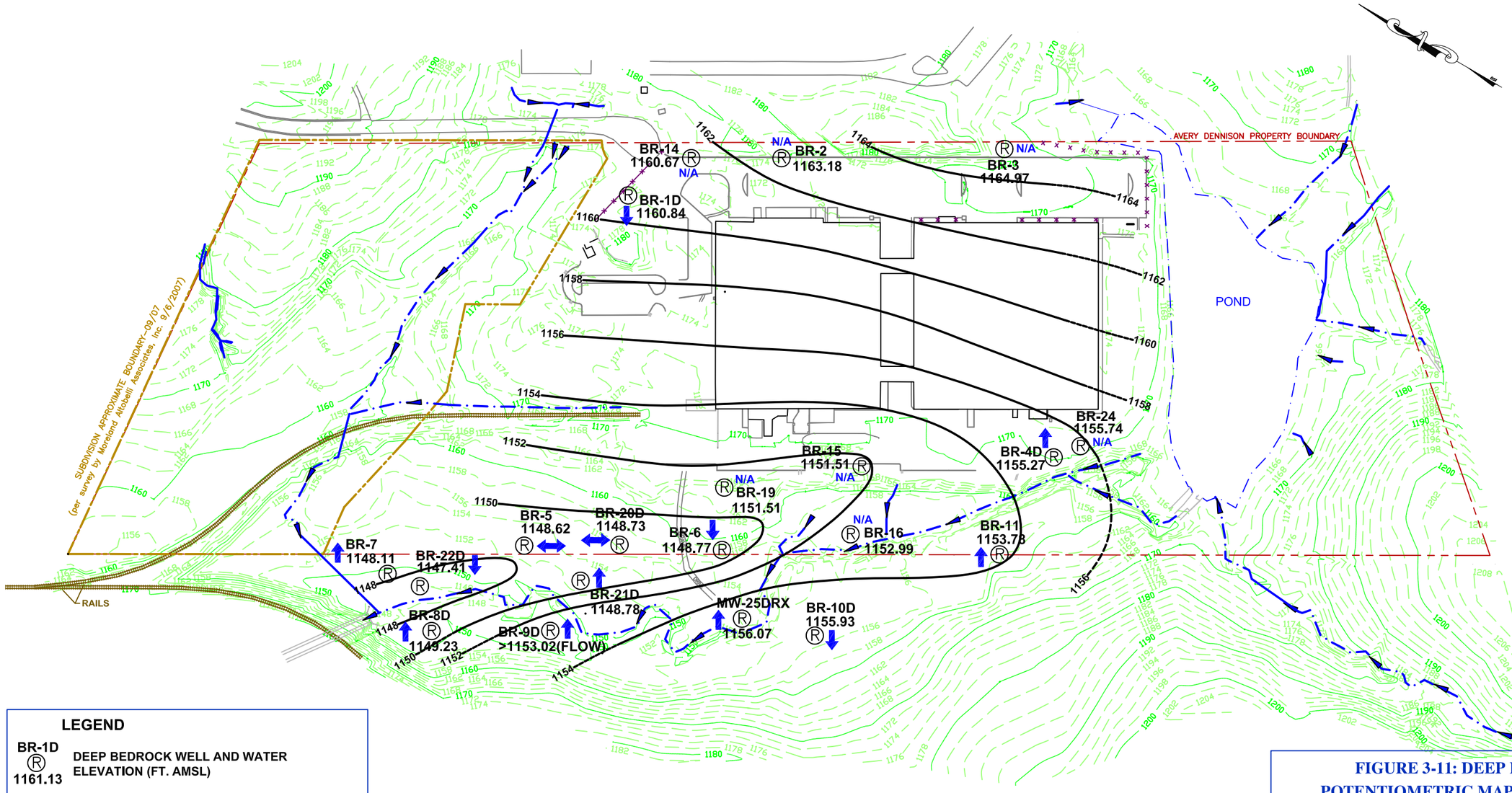
0 50 100 200
SCALE IN FEET

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# FIGURE 3-10: DEEP BEDROCK POTENTIOMETRIC MAP - FALL 2011 AVERY DENNISON FACILITY FLOWERY BRANCH, GEORGIA

The Johnson Company
100 State Street, Suite 600
Montpelier, VT 05602

Drawn by: TEH Date: 12/07/11
Reviewed by: CMT Date: 12/09/11
Scale: As Shown Project: 1-0145-4




## LEGEND

- BR-1D 1161.13 — DEEP BEDROCK WELL AND WATER ELEVATION (FT. AMSL)
- POTENTIOMETRIC SURFACE ELEVATION (2-ft intervals, dashed where inferred) May 26, 2012
- GROUND ELEVATION (10-ft Major Intervals)
- GROUND ELEVATION (2-ft Minor Intervals)
- DIRECTION OF SURFACE WATER FLOW
- DIRECTION OF VERTICAL GRADIENT TO/FROM SHALLOW BEDROCK

Notes:
N/A - No shallow bedrock well at this location for comparison.

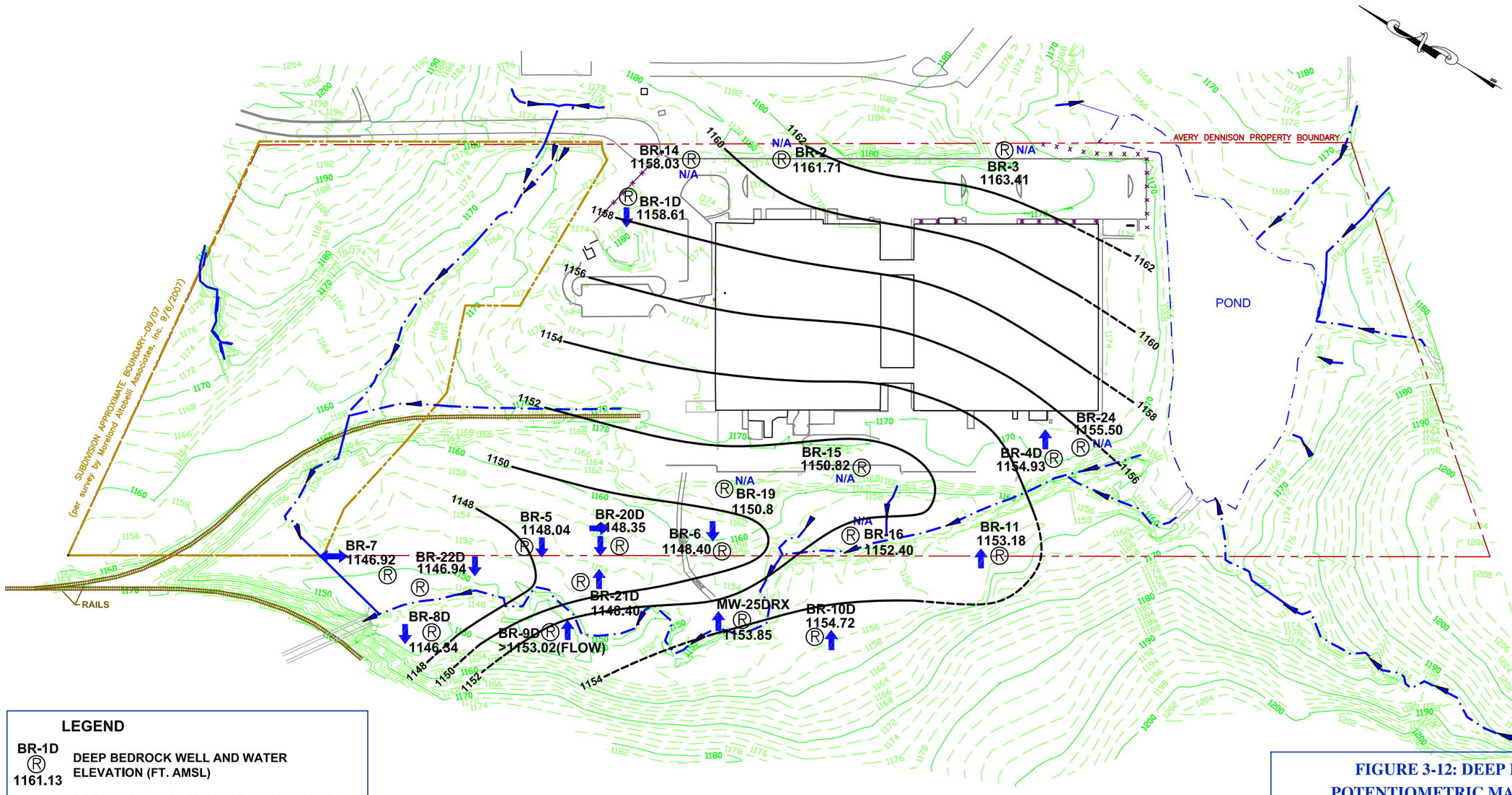
0 50 100 200
SCALE IN FEET

K:\1-0145-4\Cad\Potentiometric Maps (LT 2009).dwg

# FIGURE 3-11: DEEP BEDROCK POTENTIOMETRIC MAP - SPRING 2012 AVERY DENNISON FACILITY FLOWERY BRANCH, GEORGIA

The Johnson Company
100 State Street, Suite 600
Montpelier, VT 05602

Drawn by: TEH Date: 5/17/12
Reviewed by: CMT Date: 7/30/12
Scale: As Shown Project: 1-0145-4




## LEGEND

- BR-1D / 1161.13 — DEEP BEDROCK WELL AND WATER ELEVATION (FT. AMSL)
- POTENTIOMETRIC SURFACE ELEVATION (2-ft intervals, dashed where inferred) Oct. 17, 2012
- GROUND ELEVATION (10-ft Major Intervals)
- GROUND ELEVATION (2-ft Minor Intervals)
- DIRECTION OF SURFACE WATER FLOW
- DIRECTION OF VERTICAL GRADIENT TO/FROM SHALLOW BEDROCK

Notes:
N/A - No shallow bedrock well at this location for comparison.

0 50 100 200
SCALE IN FEET

K:\1-0145-4\Cad\Potentiometric Maps (LT 2009).dwg

# FIGURE 3-12: DEEP BEDROCK POTENTIOMETRIC MAP - FALL 2012 AVERY DENNISON FACILITY FLOWERY BRANCH, GEORGIA

The Johnson Company
100 State Street, Suite 600
Montpelier, VT 05602

| | |
|---|---|
| Drawn by: TEH | Date: 11/13/12 |
| Reviewed by: CMT | Date: 11/16/12 |
| Scale: As Shown | Project: 1-0145-4 |

## LEGEND

- BUILDING FOOTPRINT
- SURFACE WATER/DRAINAGE
- UNCONSOLIDATED DEPOSITS WELL
- BEDROCK WELL
- WEATHERED BEDROCK WELL
- SURFACE WATER MONITORING LOCATION
- STREAM BED WELL

Note: All samples analyzed by EPA Method 8260B for full analyte list

| Abbreviation Key | |
|---|---|
| 1,1,1-TCA | 1,1,1-Trichloroethane |
| 1,1,2-TCA | 1,1,2-Trichloroethane |
| 1,1-DCA | 1,1-Dichloroethane |
| 1,1-DCE | 1,1-Dichloroethene |
| 1,2-DCA | 1,2-Dichloroethane |
| 1,4-DCB | 1,4-Dichlorobenzene |
| MEK | 2-Butanone (Methyl Ethyl Ketone) |
| A | Acetone |
| B | Benzene |
| CCL4 | Carbon Tetrachloride |
| CA | Chloroethane |
| CF | Chloroform |
| c1,2-DCE | cis-1,2-Dichloroethene |
| DCM | Dichloromethane (Methylene Chloride) |
| EB | Ethylbenzene |
| F-11 | Freon-11 (Trichlorotrifluoromethane) |
| m,p-X | m,p-Xylene |
| MCH | Methylcyclohexane |
| o-X | o-Xylene |
| X | Xylenes (total) |
| 1,4-DIOX | 1,4 Dioxane |
| PCE | Tetrachloroethene |
| T | Toluene |
| t1,2-DCE | trans-1,2-Dichloroethene |
| TCE | Trichloroethene |
| VC | Vinyl Chloride |
| S | Styrene |
| ND | Not Detected above Laboratory PQL |
| NS | Not Sampled |

Notes:
- All results in µg/L
- Wells shaded gray were not sampled during the October 2011 - October 2012 rounds of sampling.
- Wells labeled with "ND" had no detections for all analytes during the Oct '11 - Oct '12 sampling rounds.

* Note: The October 2011 detection of 1,1-DCE in SBW-1 is the only detection in 14 sampling events.

| Risk Reduction Standards | | |
|---|---|---|
| | Type 1 GW (ug/L) | Type 3/4 GW (ug/L) |
| 1,1,1-TCA | 200 | 13600 |
| 1,1,2-TCA | 5 | 5 |
| 1,1-DCA | 4000 | 4000 |
| 1,1-DCE | 7 | 520 |
| 1,2-DCA | 5 | 5 |
| 1,4-DCB | 75 | 75 |
| MEK | 2000 | 11800 |
| A | 4000 | 45600 |
| CCL4 | 5 | 10 |
| CA | NA | 29200 |
| CF | 80 | 80 |
| c1,2-DCE | 70 | 200 |
| DCM | 5 | 450 |
| EB | 700 | 700 |
| F-11 | 2000 | 2000 |
| m,p-X | - | - |
| MCH | Not Regulated | Not Regulated |
| o-X | - | - |
| X | 10000 | 10000 |
| 1,4-DIOX | 70 | 70 |
| PCE | 5 | 98 |
| T | 1000 | 5200 |
| t1,2-DCE | 100 | 160 |
| TCE | 5 | 5 |
| VC | 2 | 3 |
| S | 100 | 2600 |

Note: Yellow highlighting in groundwater data indicates detection in excess of Type - 3/4 risk reduction standard.

| In-stream Water Quality Criteria (ug/L) | |
|---|---|
| 1,1-DCE | 7100 |

Notes:
- In-stream Water Quality Criteria from *Georgia Rules & Regulations for Water Quality Control Chapter 391-3-6-.03*
- Of the compounds detected in site surface water, only 1,1-DCE has an in-stream water quality criterion.

Orange highlighting in surface water data indicates detection in excess of In-Stream Water Criterion for 1,1-DCE.

PROPERTY BOUNDARY (TYPICAL)

POND

FENCE (TYPICAL)

DRIVE

N/F WRIGLEY

GRAPHIC SCALE - FEET (60 0 60 120 180)

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# FIGURE 3-13: GROUNDWATER AND SURFACE WATER VOC & 1,4-DIOXANE RESULTS: 2011/2012 AVERY DENNISON FACILITY FLOWERY BRANCH, GEORGIA

The Johnson Company

100 State Street, Suite 600
Montpelier, VT 05602

Drawn by: TEH Date: 11/15/12
Reviewed by: JEP Date: 11/26/12
Scale: As Shown Project: 1-0145-4

LEGEND

- BUILDING FOOTPRINT
- SURFACE WATER/DRAINAGE
- OCT. 2012 WATER TABLE POTENTIOMETRIC CONTOUR (2 FT. INTERVALS)
- UNCONSOLIDATED DEPOSITS WELL
- BEDROCK WELL
- WEATHERED BEDROCK WELL
- TEMPORARY WELL
- STREAM BED WELL
- 99.8 TOTAL VOC DETECTED FALL 2012 (ug/L)
- ESTIMATED TOTAL VOC ISOCONTOUR FALL 2012 (ug/L)
- ESTIMATED ZONE OF TYPE 3/4 RISK REDUCTION STANDARDS EXCEEDENCE
- ESTIMATED ZONE OF TYPE 1 RISK REDUCTION STANDARDS EXCEEDENCE

Notes:
- The isocontours were drawn considering the maximum VOC concentration for paired wells
- ND = Not Detected above Laboratory PQL
- NS = Not Sampled
- Wells labeled with a date or dates following "NS" were sampled only during the indicated months
- *Acetone was the only VOC detected in well BR-1S
- All samples analyzed by EPA Method 8260B for full analyte list

PROPERTY BOUNDARY (TYP.)

POND

WATER TANK

GRAVEL DRIVE

RAILROAD TRACKS (TYPICAL)

FENCE (TYPICAL)

APPROXIMATE ZONE OF MULTIPHASE EXTRACTION SYSTEM

APPROXIMATE BOUNDARY OF SOUTHERN SOURCE AREA (NO EXCEEDENCES OF TYPE 3/4 RRS IN SOIL)

APPROXIMATE BOUNDARY OF WESTERN SOURCE AREA IN UNCONSOLIDATED DEPOSITS AND WEATHERED BEDROCK (NO EXCEEDENCES OF TYPE 3/4 RRS IN SOIL)

APPROXIMATE BOUNDARY OF TYPE 1 RISK REDUCTION STANDARDS EXCEEDENCES IN GROUNDWATER

APPROXIMATE BOUNDARY OF TYPE 3/4 RISK REDUCTION STANDARDS EXCEEDENCES IN GROUNDWATER

APPROXIMATE BOUNDARY OF TYPE 1 RISK REDUCTION STANDARDS EXCEEDENCES IN GROUNDWATER

APPROXIMATE BOUNDARY OF TYPE 3/4 RISK REDUCTION STANDARDS EXCEEDENCES IN GROUNDWATER

NO EXCEEDENCES OF IN-STREAM WATER QUALITY STANDARDS AT THE SITE

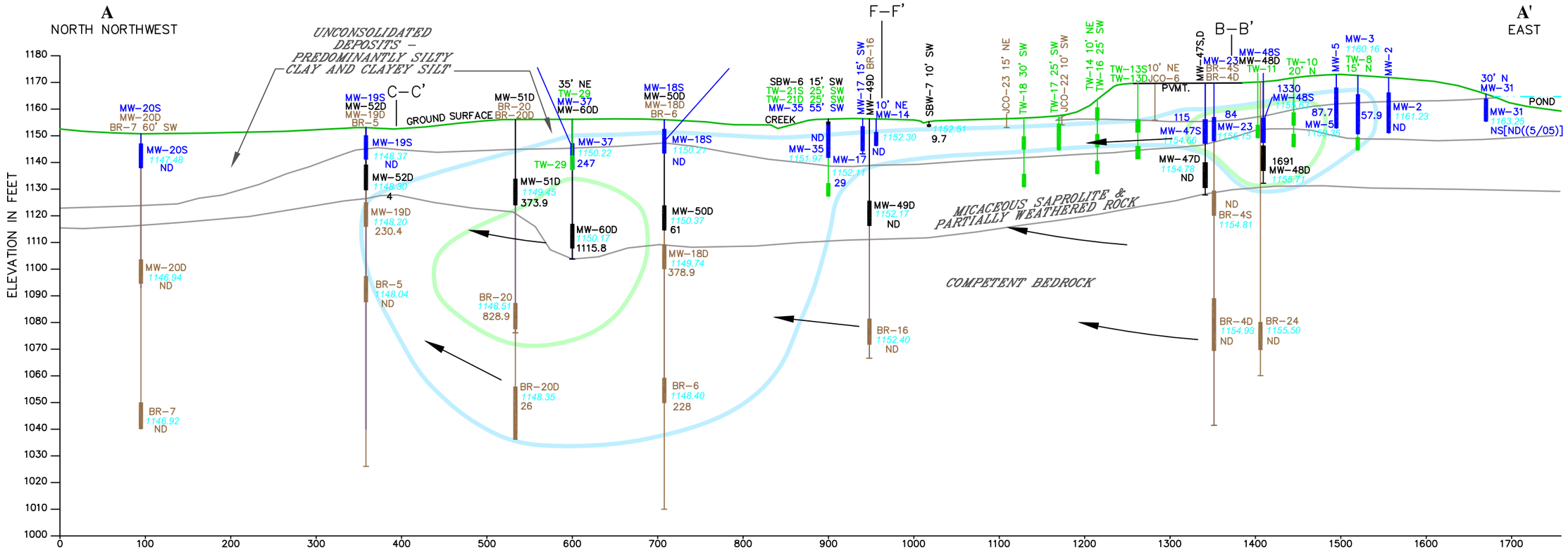
SCALE IN FEET
50 0 50 100 150
GRAPHIC SCALE – FEET

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# FIGURE 3-14: CONCEPTUAL SITE MODEL PLAN VIEW - FALL 2012 AVERY DENNISON FACILITY FLOWERY BRANCH, GEORGIA

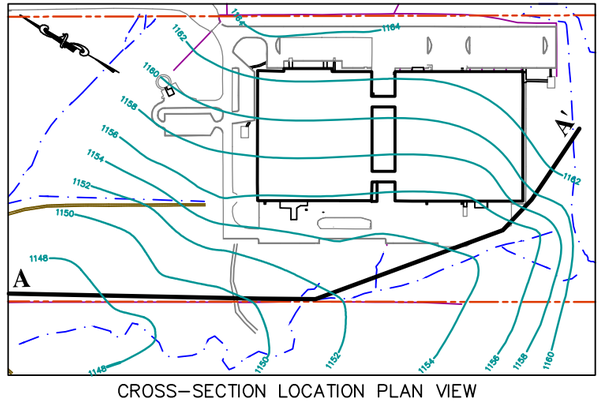
The Johnson Company
100 State Street, Suite 600
Montpelier, VT 05602

Drawn by: TEH Date: 11/07/12
Reviewed by: CMT Date: 11/16/12
Scale: 1"=100' Project: 1-0145-4




## GEOLOGIC PROFILE A - A'

SCALE: 1"=125' HOR., 1"=40' VER., V.E. = 3.125:1




CROSS–SECTION LOCATION PLAN VIEW

### LEGEND

- Estimated Zone of Type 1 RRS Exceedences in Groundwater
- Estimated Zone of Type 3/4 RRS Exceedences in Groundwater
- BR–6 — Sample ID
- 1150.13 — Water Level Elevation (Feet AMSL) [October 17, 2012]
- 6282.5 — Total VOC Detected Fall 2012 (ug/L)
- Temporary Monitoring Well Screen Location and Depth
- Unconsolidated Zone Monitoring Well Screen Location and Depth
- Micaceous Saprolite/Partially Weathered Rock Zone Monitoring Well Screen Location and Depth
- Competent Bedrock Zone Monitoring Well Screen Location and Depth
- Soil Boring

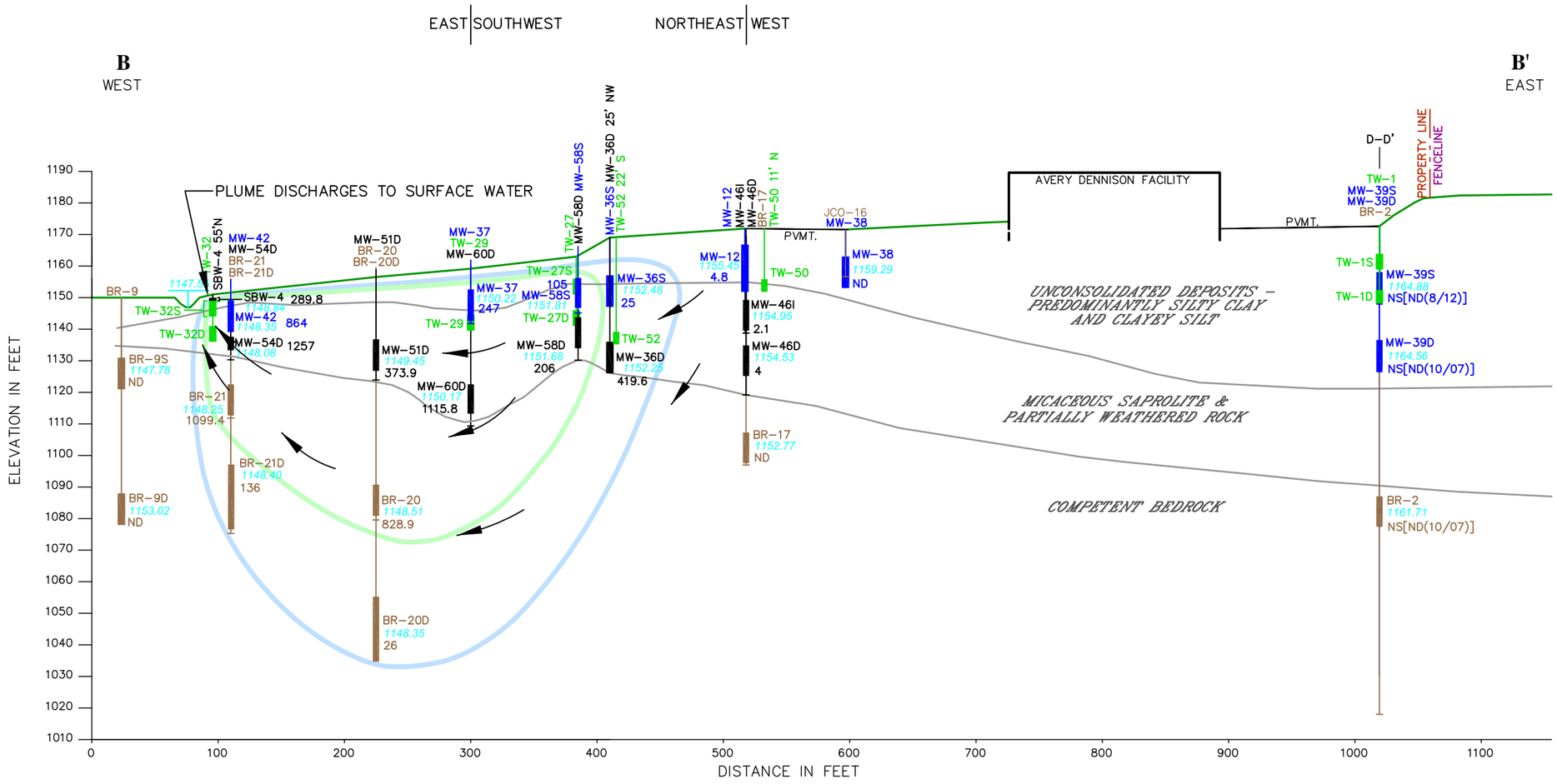
Notes:
–ND = not detected above laboratory PQL
–NS = Not Sampled in 2012
–Wells labeled with a date or dates following "NS" were sampled during the indicated months

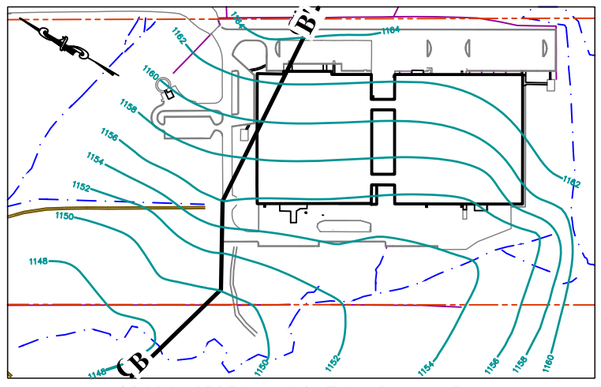
**FIGURE 3-15: CONCEPTUAL SITE MODEL**
**CROSS SECTION A-A' FALL 2012**
**AVERY DENNISON FACILITY**
**FLOWERY BRANCH, GEORGIA**


The Johnson Company
100 State Street, Suite 600
Montpelier, VT 05602


Drawn by: TEH Date: 11/12/12
Reviewed by: CMT Date: 11/16/12
Scale: As Shown Project: 1-0145-4

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CROSS–SECTION LOCATION PLAN VIEW

LEGEND

- Estimated Zone of Type 1 RRS Exceedences in Groundwater
- Estimated Zone of Type 3/4 RRS Exceedences in Groundwater
- BR–20 — Sample ID
- 1156.94 — Water Level Elevation (Feet AMSL) [October 17, 2012]
- 1673.1 — Total VOC Detected Fall 2012 (ug/L)
- Temporary Monitoring Well Screen Location and Zepth
- Unconsolidated Deposits Zone Monitoring Well Screen Location and Depth
- Micaceous Saprolite/Partially Weathered Rock Zone Monitoring Well Screen Location and Depth
- Competent Bedrock Zone Monitoring Well Screen Location and Depth
- Soil Boring

Notes:
–ND = not detected above laboratory PQL
–NS = Not Sampled in Fall 2012
–Wells labeled with a date or dates following "NS" were sampled during the indicated months

**GEOLOGIC PROFILE B-B'** (B / B')

SCALE: 1"=100' HOR., 1"=40' VER., V.E. = 2.5:1

**FIGURE 3-16: SITE CONCEPTUAL MODEL**
**CROSS SECTION B - B' FALL 2012**
**AVERY DENNISON FACILITY**
**FLOWERY BRANCH, GEORGIA**


The Johnson Company
100 State Street, Suite 600
Montpelier, VT 05602


Drawn by: TEH Date: 11/12/12
Reviewed by: CMT Date: 11/16/12
Scale: As Shown Project: 1-0145-4

K:\1–0145–4\Cad\2010 CSR\Xsec C.dwg

Base map: "Survey for The Johnson Company, Inc., Avery Dennison Facility, Avery Drive" by Transportation Systems Design, Inc. 1/24/2005

*N/F*
*BALDOR*

*N/F*
*WRIGLEY*

*INTERSTATE HWY 985*
*SR 365*

AVERY DRIVE

CURRENT AVERY DENNISON PROPERTY BOUNDARY

SUBDIVISION APPROXIMATE BOUNDARY - SUBDIVIDED SEPTEMBER 2007 (per survey by Moreland Altobelli Associates, Inc. 9/6/2007)

CONCRETE

ASPHALT PARKING

CONCRETE

ASPHALT

SOUTH MEZZANINE

NORTH MEZZANINE

ASPHALT PARKING

ASPHALT PARKING

POND

ESTIMATED ZONE OF TYPE 1 RRS EXCEEDENCE IN GROUNDWATER AS OF FALL 2012

GRAVEL DRIVE

RAILS

UNNAMED TRIBUTARY TO MUD CREEK

BARBED WIRE FENCE

BARBED WIRE FENCE

CMF

CMF

CMF

CMF

STATE PLANE

LEGEND

- BUILDING FOOTPRINT
- SURFACE WATER/DRAINAGE
- GROUND ELEVATION (10-FT. MAJOR INTERVALS)
- GROUND ELEVATION (2-FT. MINOR INTERVALS)
- IRON PIN FOUND
- CMF CONCRETE MONUMENT FOUND
- CURRENT AVERY DENNISON PROPERTY BOUNDARY
- PROPOSED LAND ACQUISITION FROM WRIGLEY AFTER 07/30/12 GAEPD MEETING (~8 acres)
- ESTIMATED ZONE OF TYPE 1 RISK REDUCTION STANDARDS EXCEEDENCE AS OF FALL 2012

*SCALE IN FEET*

100 0 100 200 300

GRAPHIC SCALE – FEET

REVISIONS

| # | Date | Drwn | Chk'd | App'd | Description |
|---|---|---|---|---|---|

PREPARED FOR

Avery Dennison Corporation
8080 Norton Parkway
Mentor, OH 44060

Job#: 1-0145-4

PREPARED BY

The Johnson Company
ENVIRONMENTAL SCIENCE AND ENGINEERING SOLUTIONS

100 State Street, Suite 600
Montpelier, Vermont 05602

(802) 229-4600 phone
(802) 229-5876 fax

www.johnsonco.com

DRAWING

Scale: As Shown
Drawn On: 11/23/12
Drawn By: TJK
Checked On: 11/23/12
Checked By: GAK
Print Date:

TITLE

# FIGURE 3-17: PARCEL TO BE ACQUIRED FROM WRIGLEY MANUFACTURING, LLC AVERY DENNISON PROPERTY FLOWERY BRANCH, GEORGIA

SHEET 1 OF 1

K:\1-0145-4\Cad\Proposed Land Acquisition.dwg

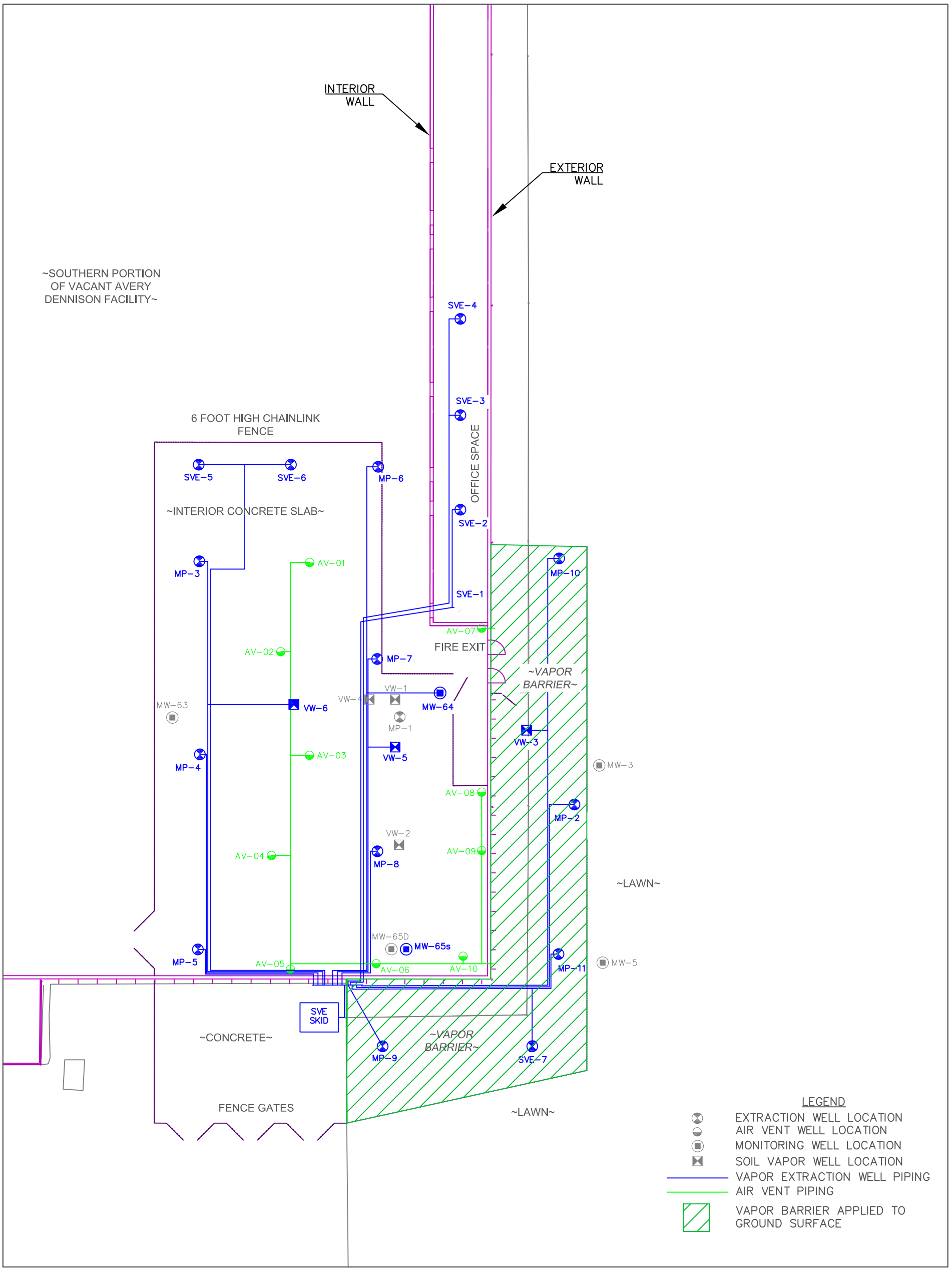



**FIGURE 3-18: SOIL VAPOR EXTRACTION SYSTEM LAYOUT**
**AVERY DENNISON FACILITY**
**FLOWERY BRANCH, GEORGIA**

The Johnson Company
100 State Street, Suite 600
Montpelier, VT 05602
(802) 229-4600

Drawn by: PCS Date: 11/14/12
Chk'd by: GAK Date: 11/23/12
Scale: As Shown Project: 1-0145-4

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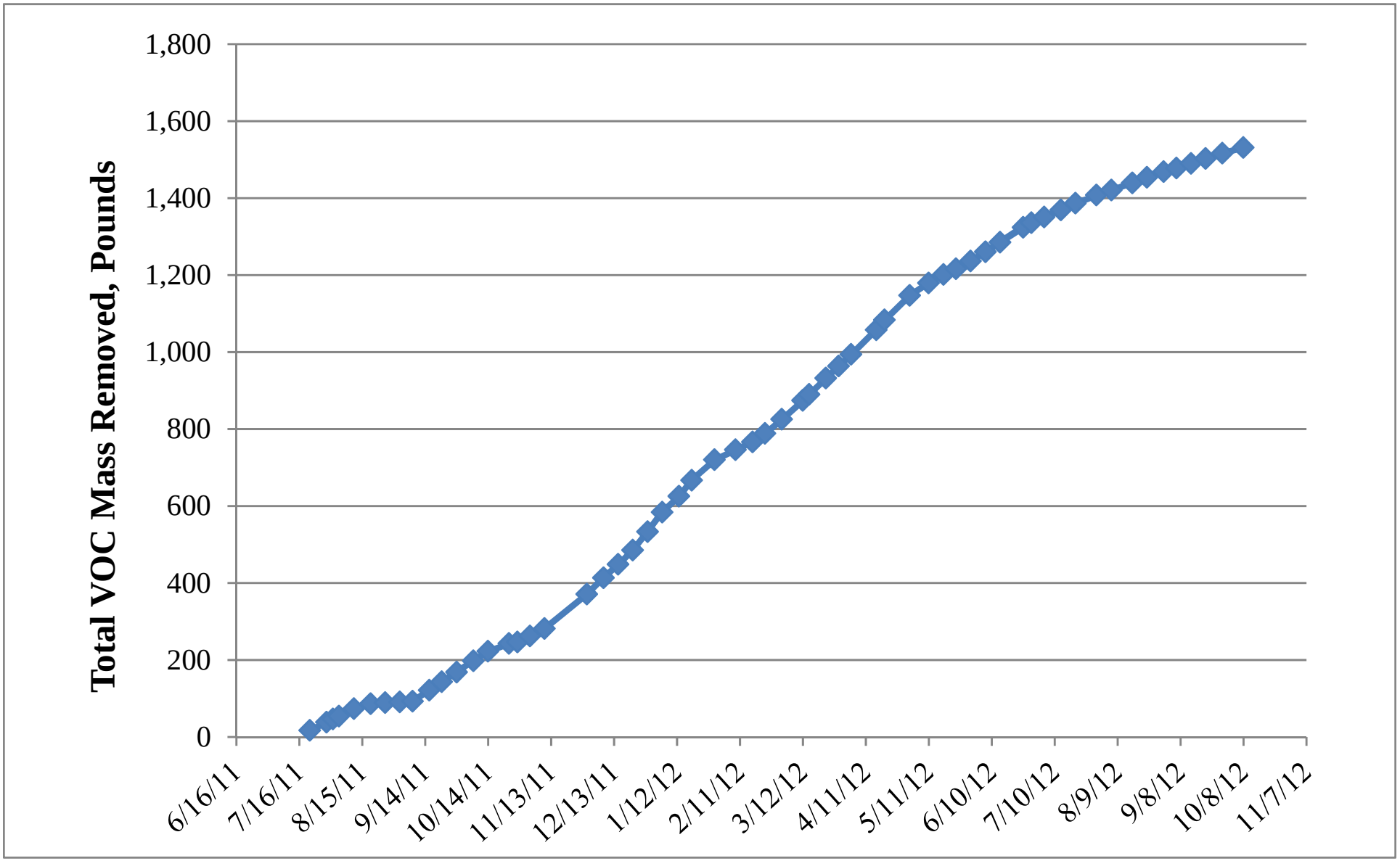


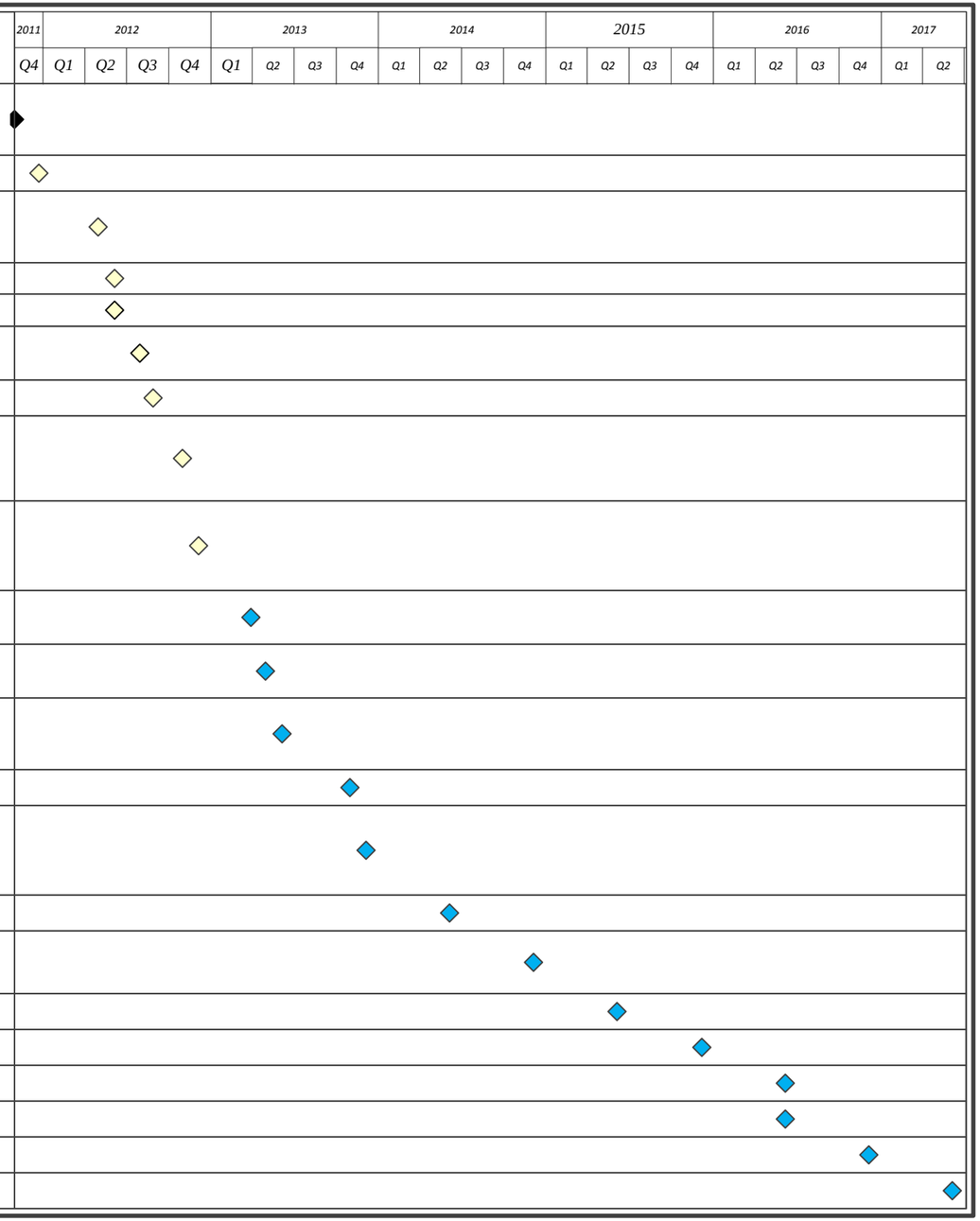

**FIGURE 3-19: MASS OF VOLATILE ORGANIC COMPOUNDS REMOVED BY THE SVE SYSTEM AVERY DENNISON FACILITY FLOWERY BRANCH, GEORGIA**

The Johnson Company
100 State Street
Montpelier, VT 06502
(802) 229-4600

| | |
|---|---|
| Drawn by: PCS | Date: 11/26/12 |
| Chck'd by: GAK | Date: 11/26/12 |
| Scale: Not to Scale | Project: 1-0145-4 |

sve report figures 111512.vsd

| ID | Milestone Name | Start |
|---|---|---|
| 1 | Performed comprehensive groundwater and surface water monitoring event using 1,4-dioxane detection limits that are below revised applicable Risk Reduction Standards (1st event). | 10/31/2011 |
| **2** | **Avery Dennison submitted the Voluntary Investigation and Remediation Plan Application (VIRPA) to EPD.** | 12/23/2011 |
| 3 | Performed comprehensive groundwater and surface water monitoring event using 1,4-dioxane detection limits that are below revised applicable Risk Reduction Standards (2nd event) | 4/30/2012 |
| **4** | **Site is Enrolled in the Voluntary Remediation Program.** | 6/5/2012 |
| 5 | EPD provided comments on the VIRPA. | 6/5/2012 |
| 6 | Avery Dennison met with EPD to discuss dimensions of a parcel of land to be acquired from Wrigley Manufacturing, LLC as a qualifying property under the VRP. | 7/30/2012 |
| **7** | **Avery Dennison submitted a Financial Assurance Instrument to EPD.** | 8/28/2012 |
| **8** | **Performed comprehensive groundwater and surface water monitoring event using 1,4-dioxane detection limits that are below revised applicable Risk Reduction Standards (3rd event); Completed horizontal and vertical delineation of the release and associated constituents.** | 10/31/2012 |
| 9 | Submitted Progress Report (this report), including demonstration of complete horizontal and vertical delineation of the release and associated constituents, response to the June 5, 2012 comments provided by EPD, and a request to finalize cleanup standards for all regulated substances. | 12/5/2012 |
| 10 | Complete construction of, and begin operation of, the Multiphase Extraction (MPE) system in the southern source area. | 3/29/2013 |
| 11 | Monitoring of surface water and selected groundwater monitoring wells per development of Point of Demonstration (POD) Monitoring Plan. | 4/30/2013 |
| 12 | Submit Progress Report, including POD Monitoring Plan, as-built details of the MPE system, and status of acquisition of the additional property from Wrigley (see Section 4.1). | 6/5/2013 |
| 13 | Monitoring of surface water and selected groundwater monitoring wells per Point of Demonstration (POD) Monitoring Plan | 10/31/2013 |
| 14 | Submit Progress Report, including completion of a groundwater model to evaluate future potential for groundwater constituents associated with the Site to discharge to the unnamed tributary to Mud Creek at concentrations that exceed applicable ISWQS – amend POD Monitoring Plan and continue semi-annual POD monitoring, if applicable. | 12/5/2013 |
| 15 | Submit Progress Report | 6/5/2014 |
| 16 | Submit Progress Report including a final remediation plan and associated cost estimate for implementation of remediation and associated continued actions. | 12/5/2014 |
| 17 | Evaluate shutdown of the MPE system | 6/5/2015 |
| 18 | Submit Progress Report | 12/7/2015 |
| 19 | Submit Progress Report | 6/6/2016 |
| 20 | Submit Progress Report | 6/6/2016 |
| 21 | Submit Progress Report | 12/5/2016 |
| 22 | Submit VRP Compliance Status Report, including requisite certifications | 6/5/2017 |




Note: Completed tasks are highlighted yellow.

**SUBJECT TO REVISION FOR EACH SEMI-ANNUAL STATUS REPORT**
**REMEDIATION STEPS WILL BE ADDED WHEN ESTABLISHED**

K:\1-0145-4\JCO Reports\Voluntary Remediation Plan\Semi Annual Progress Reports\December 2012\Soil Vapor Extraction System Documentation\Figure 4_1 112612.vsd

**FIGURE 4-1- SUMMARY OF PROJECT MILESTONES**
**VOLUNTARY INVESTIGATION AND REMEDIATION PLAN**
**AVERY DENNISON FACILITY**
**FLOWERY BRANCH, GEORGIA**


The Johnson Company
100 State Street
Montpelier, VT 06502
(802) 229-4600


Drawn by: PCS Date: 11/26/12
Chck'd by: GAK Date: 11/26/12
Scale: Not to Scale
Project: 1-0145-4

# TABLES

**Table 3-1**
**Summary of Potentiometric Data**
2009-2012
Avery Dennison Facility
Flowery Branch, Georgia

| Structure | Northing | Easting | Elevation | Elevation | 6/2/2009 | | 10/13/2009 | | 5/25/2010 | | 11/2/2010 | | 2/5/2011 | | 10/17/2011 | | 4/26/2012 | | 10/17/2012 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Name | Feet | Feet | Ground | Structure | Depth | Elev. | Depth | Elev. | Depth | Elev. | Depth | Elev. | Depth | Elev. | Depth | Elev. | Depth | Elev. | Depth | Elev. |
| MW-1 | 1527407.40 | 2377693.31 | 1172.46 | 1172.34 | 10.77 | 1161.57 | 8.98 | 1163.36 | 9.62 | 1162.72 | 10.44 | 1161.90 | 8.48 | 1163.86 | 10.91 | 1161.43 | 9.62 | 1162.72 | 10.66 | 1161.68 |
| MW-2 | 1527375.71 | 2377657.20 | 1171.92 | 1171.67 | 10.58 | 1161.09 | 9.06 | 1162.61 | 9.45 | 1162.22 | 10.26 | 1161.41 | 9.11 | 1162.56 | 10.71 | 1160.96 | 9.42 | 1162.25 | 10.44 | 1161.23 |
| MW-3 | 1527401.48 | 2377627.25 | 1173.68 | 1173.32 | 13.15 | 1160.17 | 12.11 | 1161.21 | 12.24 | 1161.08 | 13.04 | 1160.28 | 11.70 | 1161.62 | 13.44 | 1159.88 | 12.36 | 1160.96 | 13.16 | 1160.16 |
| MW-4 | 1527361.94 | 2377622.84 | 1172.16 | 1171.99 | 11.66 | 1160.33 | 10.89 | 1161.10 | 10.93 | 1161.06 | 11.65 | 1160.34 | 10.73 | 1161.26 | 12.03 | 1159.96 | 10.97 | 1161.02 | 11.78 | 1160.21 |
| MW-5 | 1527380.29 | 2377592.11 | 1173.15 | 1172.91 | 13.48 | 1159.43 | 12.55 | 1160.36 | 12.77 | 1160.14 | 13.49 | 1159.42 | 12.57 | 1160.34 | 13.86 | 1159.05 | 12.85 | 1160.06 | 13.56 | 1159.35 |
| MW-6 | 1527674.72 | 2377294.61 | 1168.63 | 1168.70 | 14.12 | 1154.58 | 12.73 | 1155.97 | 13.71 | 1154.99 | 15.04 | 1153.66 | - | - | 15.60 | 1153.10 | 14.55 | 1154.15 | 15.15 | 1153.55 |
| MW-7 | 1527768.76 | 2377238.25 | 1167.78 | 1167.64 | 12.05 | 1155.59 | 10.29 | 1157.35 | 10.87 | 1156.77 | 13.63 | 1154.01 | - | - | 14.35 | 1153.29 | 12.77 | 1154.87 | 13.85 | 1153.79 |
| MW-8 | 1528068.91 | 2377004.62 | 1159.96 | 1162.24 | 9.70 | 1152.54 | 6.36 | 1155.88 | 8.96 | 1153.28 | 11.33 | 1150.91 | 6.14 | 1156.10 | 12.39 | 1149.85 | 9.96 | 1152.28 | 11.34 | 1150.90 |
| MW-9 | 1528125.85 | 2376934.93 | 1155.90 | 1158.51 | 6.42 | 1152.09 | 4.02 | 1154.49 | 6.35 | 1152.16 | 8.38 | 1150.13 | 3.01 | 1155.50 | 9.30 | 1149.21 | 7.01 | 1151.50 | 8.48 | 1150.03 |
| MW-10 | 1528368.62 | 2376866.88 | 1156.17 | 1158.81 | 10.12 | 1148.69 | 3.48 | 1155.33 | 9.09 | 1149.72 | 10.71 | 1148.10 | 2.75 | 1156.06 | dry | - | 9.71 | 1149.10 | 10.76 | 1148.05 |
| MW-11 | 1528241.05 | 2377037.17 | 1166.85 | 1169.76 | 16.70 | 1153.06 | 14.65 | 1155.11 | 16.05 | 1153.71 | 18.96 | 1150.80 | 15.00 | 1154.76 | 19.70 | 1150.06 | 17.13 | 1152.63 | 18.86 | 1150.90 |
| MW-12 | 1528086.74 | 2377186.22 | 1170.69 | 1170.70 | 12.02 | 1158.68 | 9.49 | 1161.21 | 11.51 | 1159.19 | 14.65 | 1156.05 | 9.50 | 1161.20 | 15.97 | 1154.73 | 12.83 | 1157.87 | 15.25 | 1155.45 |
| MW-13 | 1528336.49 | 2377473.61 | 1178.11 | 1178.09 | 11.92 | 1166.17 | 9.02 | 1169.07 | 11.32 | 1166.77 | 16.20 | 1161.89 | - | - | 17.92 | 1160.17 | 13.15 | 1164.94 | 16.00 | 1162.09 |
| MW-14 | 1527677.19 | 2377169.29 | 1156.47 | 1159.35 | 6.79 | 1152.56 | 5.77 | 1153.58 | 6.55 | 1152.80 | 6.99 | 1152.36 | - | - | 7.26 | 1152.09 | 6.87 | 1152.48 | 7.05 | 1152.30 |
| MW-15S | 1527137.62 | 2377428.93 | 1173.02 | 1176.20 | 14.51 | 1161.69 | 13.91 | 1162.29 | 13.64 | 1162.56 | 15.56 | 1160.64 | 13.62 | 1162.58 | 16.53 | 1159.67 | 14.45 | 1161.75 | 15.65 | 1160.55 |
| MW-15D | 1527133.29 | 2377437.78 | 1172.48 | 1175.13 | 13.13 | 1162.00 | 12.75 | 1162.38 | 12.08 | 1163.05 | 14.58 | 1160.55 | 13.27 | 1161.86 | 15.52 | 1159.61 | 13.46 | 1161.67 | 14.90 | 1160.23 |
| MW-16S | 1527433.64 | 2377252.67 | 1158.37 | 1161.19 | 6.93 | 1154.26 | 4.58 | 1156.61 | 6.67 | 1154.52 | 7.50 | 1153.69 | 4.73 | 1156.46 | 7.88 | 1153.31 | 7.19 | 1154.00 | 7.49 | 1153.70 |
| MW-16D | 1527409.46 | 2377271.02 | 1158.37 | 1160.50 | 7.00 | 1153.50 | 5.50 | 1155.00 | 16.60 | 1143.90 | 7.92 | 1152.58 | 5.85 | 1154.65 | 8.35 | 1152.15 | 7.28 | 1153.22 | 8.00 | 1152.50 |
| MW-17 | 1527669.06 | 2377145.56 | 1156.41 | 1158.71 | 6.43 | 1152.28 | 5.59 | 1153.12 | 6.27 | 1152.44 | 6.58 | 1152.13 | - | - | 6.80 | 1151.91 | 6.5 | 1152.21 | 6.60 | 1152.11 |
| MW-18S | 1527875.46 | 2377005.20 | 1155.58 | 1158.17 | 7.58 | 1150.59 | 5.18 | 1152.99 | 7.22 | 1150.95 | 8.03 | 1150.14 | 4.92 | 1153.25 | 8.62 | 1149.55 | 7.55 | 1150.62 | 7.96 | 1150.21 |
| MW-18D | 1527869.90 | 2377005.48 | 1155.52 | 1158.25 | 8.41 | 1149.84 | 7.12 | 1151.13 | 8.22 | 1150.03 | 8.62 | 1149.63 | 7.06 | 1151.19 | 8.90 | 1149.35 | 8.41 | 1149.84 | 8.51 | 1149.74 |
| MW-19S | 1528171.82 | 2376840.61 | 1152.85 | 1155.38 | 6.45 | 1148.93 | 4.29 | 1151.09 | 6.21 | 1149.17 | 6.95 | 1148.43 | 4.14 | 1151.24 | 7.36 | 1148.02 | 6.48 | 1148.90 | 7.01 | 1148.37 |
| MW-19D | 1528172.46 | 2376834.76 | 1152.69 | 1154.99 | 6.33 | 1148.66 | 5.25 | 1149.74 | 6.14 | 1148.85 | 6.69 | 1148.30 | 5.17 | 1149.82 | 7.03 | 1147.96 | 6.42 | 1148.57 | 6.79 | 1148.20 |
| MW-20S | 1528402.38 | 2376715.07 | 1150.95 | 1154.42 | 6.64 | 1147.78 | 3.49 | 1150.93 | 6.13 | 1148.29 | 6.60 | 1147.82 | 3.43 | 1150.99 | 6.91 | 1147.51 | 6.34 | 1148.08 | 6.94 | 1147.48 |
| MW-20D | 1528398.83 | 2376710.49 | 1150.72 | 1153.59 | 6.47 | 1147.12 | 4.95 | 1148.64 | 6.24 | 1147.35 | 6.18 | 1147.41 | 5.17 | 1148.42 | 6.21 | 1147.38 | 6.22 | 1147.37 | 6.65 | 1146.94 |
| MW-21 | 1528540.84 | 2376931.15 | 1160.25 | 1163.35 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| MW-22 | 1527964.61 | 2377741.14 | 1171.11 | 1170.92 | 4.42 | 1166.50 | 3.64 | 1167.28 | 3.92 | 1167.00 | 7.14 | 1163.78 | - | - | 7.84 | 1163.08 | 5.27 | 1165.65 | 6.77 | 1164.15 |
| MW-23 | 1527405.48 | 2377484.71 | 1169.65 | 1169.71 | 14.21 | 1155.50 | 13.71 | 1156.00 | 14.20 | 1155.51 | 14.58 | 1155.13 | 13.49 | 1156.22 | 14.70 | 1155.01 | 14.21 | 1155.50 | 14.56 | 1155.15 |
| MW-24 | 1527492.73 | 2377109.37 | - | 1162.61 | 8.12 | 1154.49 | 6.80 | 1155.81 | 7.76 | 1154.85 | 9.22 | 1153.39 | - | - | 9.75 | 1152.86 | 8.66 | 1153.95 | 9.42 | 1153.19 |
| MW-25D | 1527764.77 | 2376927.08 | 1154.20 | 1156.58 | 4.18 | 1152.40 | 4.36 | 1152.22 | 3.91 | 1152.67 | 5.39 | 1151.19 | 4.55 | 1152.03 | 5.90 | 1150.68 | 5.45 | 1151.13 | 5.57 | 1151.01 |
| MW-25DRX | 1527770.51 | 2376917.75 | 1154.08 | 1156.57 | flowing | >1156.57 | flowing | >1156.57 | 0.03 | 1156.54 | 1.45 | 1155.12 | flowing | >1156.57 | 2.00 | 1154.57 | 0.5 | 1156.07 | 2.72 | 1153.85 |
| MW-26S | 1527896.83 | 2376878.04 | 1151.90 | 1154.12 | 4.90 | 1149.22 | 3.52 | 1150.60 | 4.76 | 1149.36 | 4.87 | 1149.25 | 3.50 | 1150.62 | 5.00 | 1149.12 | 4.89 | 1149.23 | 4.66 | 1149.46 |
| MW-26D | 1527905.32 | 2376884.68 | 1151.69 | 1153.92 | 4.66 | 1149.26 | 3.81 | 1150.11 | 4.50 | 1149.42 | 4.68 | 1149.24 | 3.86 | 1150.06 | 4.80 | 1149.12 | 4.66 | 1149.26 | 4.46 | 1149.46 |
| MW-27S | 1528180.56 | 2376755.10 | 1150.15 | 1152.77 | 4.64 | 1148.13 | 4.14 | 1148.63 | 4.42 | 1148.35 | 4.90 | 1147.87 | 3.93 | 1148.84 | 5.16 | 1147.61 | 4.59 | 1148.18 | 5.00 | 1147.77 |
| MW-27D | 1528169.95 | 2376754.23 | 1150.32 | 1152.91 | 4.55 | 1148.36 | 3.55 | 1149.36 | 4.15 | 1148.76 | 5.04 | 1147.87 | 3.70 | 1149.21 | 5.32 | 1147.59 | 4.64 | 1148.27 | 5.16 | 1147.75 |
| MW-28 | 1528227.63 | 2376645.39 | 1149.71 | 1152.21 | 4.38 | 1147.83 | 2.50 | 1149.71 | 3.80 | 1148.41 | 4.88 | 1147.33 | 2.66 | 1149.55 | 4.88 | 1147.33 | 5.24 | 1146.97 | 5.05 | 1147.16 |
| MW-29 | 1527924.74 | 2376747.39 | 1150.85 | 1153.74 | 4.41 | 1149.33 | 2.68 | 1151.06 | 3.95 | 1149.79 | 4.82 | 1148.92 | 2.70 | 1151.04 | 5.23 | 1148.51 | 4.69 | 1149.05 | 4.99 | 1148.75 |
| MW-30 | 1528311.20 | 2377194.28 | 1175.82 | 1175.55 | 15.19 | 1160.36 | 15.99 | 1159.56 | 14.32 | 1161.23 | 18.97 | 1156.58 | - | - | 19.28 | 1156.27 | 16.74 | 1158.81 | 19.36 | 1156.19 |
| MW-31 | 1527385.32 | 2377776.86 | 1169.72 | 1169.49 | 6.66 | 1162.83 | 3.50 | 1165.99 | 5.19 | 1164.30 | 5.89 | 1163.60 | - | - | 6.41 | 1163.08 | 5.07 | 1164.42 | 6.24 | 1163.25 |
| MW-32 | 1527483.67 | 2377772.68 | 1174.02 | 1173.73 | 11.41 | 1162.32 | 9.01 | 1164.72 | 10.12 | 1163.61 | 11.00 | 1162.73 | - | - | 11.52 | 1162.21 | 10.16 | 1163.57 | 11.25 | 1162.48 |
| MW-33 | 1527349.56 | 2377378.86 | 1159.05 | 1162.48 | 7.80 | 1154.68 | 6.82 | 1155.66 | 7.85 | 1154.63 | 8.16 | 1154.32 | 6.48 | 1156.00 | 8.60 | 1153.88 | 7.93 | 1154.55 | 8.15 | 1154.33 |
| MW-34 | 1527502.88 | 2377830.07 | 1173.74 | 1173.45 | 10.59 | 1162.86 | 8.06 | 1165.39 | 9.14 | 1164.31 | 10.04 | 1163.41 | - | - | 10.59 | 1162.86 | 9.18 | 1164.27 | 10.35 | 1163.10 |
| MW-35 | 1527655.51 | 2377094.36 | 1155.75 | 1158.57 | 6.29 | 1152.28 | 5.14 | 1153.43 | 6.09 | 1152.48 | 6.53 | 1152.04 | - | - | 6.80 | 1151.77 | 6.39 | 1152.18 | 6.60 | 1151.97 |
| MW-36D | 1528056.60 | 2377069.80 | 1169.14 | 1172.49 | 17.79 | 1154.70 | 15.32 | 1157.17 | 16.82 | 1155.67 | 20.11 | 1152.38 | 16.08 | 1156.41 | 21.18 | 1151.31 | 18.42 | 1154.07 | 20.24 | 1152.25 |
| MW-36S | 1528051.94 | 2377073.85 | 1169.44 | 1172.59 | 17.30 | 1155.29 | 15.05 | 1157.54 | 16.21 | 1156.38 | 19.94 | 1152.65 | 15.93 | 1156.66 | 21.04 | 1151.55 | 18.12 | 1154.47 | 20.11 | 1152.48 |
| MW-37 | 1527978.25 | 2376986.85 | 1159.17 | 1161.90 | 10.80 | 1151.10 | 8.23 | 1153.67 | 10.22 | 1151.68 | 11.78 | 1150.12 | 7.88 | 1154.02 | 12.65 | 1149.25 | 10.73 | 1151.17 | 11.68 | 1150.22 |
| MW-38 | 1528095.60 | 2377270.59 | 1171.54 | 1171.27 | 12.19 | 1159.08 | 8.93 | 1162.34 | 11.78 | 1159.49 | 14.04 | 1157.23 | 6.41 | 1164.86 | 15.10 | 1156.17 | 12.76 | 1158.51 | 14.98 | 1156.29 |

**Notes:**
Elevations expressed in untis of feet above mean sea level, datum NGVD, 1988
Northing and Easting coordinates in Georgia State Plane coordinate system
MW-25DRX is an artesian well that flows when uncapped. On 7/3/03 and 6/6/05, site conditions permitted attachment of a riser to measure artesian head.

**Table 3-1**
**Summary of Potentiometric Data**
2009-2012
Avery Dennison Facility
Flowery Branch, Georgia

| Structure | Northing | Easting | Elevation | Elevation | 6/2/2009 | | 10/13/2009 | | 5/25/2010 | | 11/2/2010 | | 2/5/2011 | | 10/17/2011 | | 4/26/2012 | | 10/17/2012 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Name | Feet | Feet | Ground | Structure | Depth | Elev. | Depth | Elev. | Depth | Elev. | Depth | Elev. | Depth | Elev. | Depth | Elev. | Depth | Elev. | Depth | Elev. |
| MW-39D | 1528108.80 | 2377696.13 | 1172.44 | 1172.09 | 5.07 | 1167.02 | 3.28 | 1168.81 | 4.64 | 1167.45 | 8.12 | 1163.97 | - | - | 8.76 | 1163.33 | 5.61 | 1166.48 | 7.52 | 1164.57 |
| MW-39S | 1528112.66 | 2377693.95 | 1172.53 | 1172.20 | 4.92 | 1167.28 | 3.55 | 1168.65 | 4.44 | 1167.76 | 7.97 | 1164.23 | - | - | 8.94 | 1163.26 | 5.65 | 1166.55 | 7.32 | 1164.88 |
| MW-40D | 1527779.84 | 2377906.98 | 1171.10 | 1174.08 | 9.40 | 1164.68 | 7.44 | 1166.64 | 8.40 | 1165.68 | 10.41 | 1163.67 | - | - | 11.02 | 1163.06 | 8.94 | 1165.14 | 10.30 | 1163.78 |
| MW-41 | 1528573.64 | 2377418.67 | 1170.66 | 1173.81 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| MW-42 | 1528065.14 | 2376810.40 | 1152.90 | 1155.77 | 7.54 | 1148.23 | 6.51 | 1149.26 | 7.38 | 1148.39 | 7.67 | 1148.10 | 6.28 | 1149.49 | 7.90 | 1147.87 | 7.42 | 1148.35 | 7.42 | 1148.35 |
| MW-43D | 1528217.18 | 2377632.83 | 1173.71 | 1173.41 | 6.64 | 1166.77 | 4.51 | 1168.90 | 6.25 | 1167.16 | 9.86 | 1163.55 | - | - | 10.91 | 1162.50 | 7.61 | 1165.80 | 9.31 | 1164.10 |
| MW-43S | 1528210.53 | 2377636.72 | 1173.67 | 1173.34 | 5.73 | 1167.61 | 2.85 | 1170.49 | 5.32 | 1168.02 | 8.98 | 1164.36 | - | - | 10.07 | 1163.27 | 6.7 | 1166.64 | 8.28 | 1165.06 |
| MW-44D | 1528277.51 | 2377598.01 | 1174.05 | 1173.77 | 6.79 | 1166.98 | 3.81 | 1169.96 | 6.33 | 1167.44 | 10.16 | 1163.61 | - | - | 11.33 | 1162.44 | 7.76 | 1166.01 | 9.55 | 1164.22 |
| MW-44S | 1528270.53 | 2377602.18 | 1173.92 | 1173.35 | 6.08 | 1167.27 | 2.89 | 1170.46 | 5.61 | 1167.74 | 9.45 | 1163.90 | - | - | 10.66 | 1162.69 | 7.03 | 1166.32 | 8.78 | 1164.57 |
| MW-45D | 1527724.55 | 2377266.88 | 1168.37 | 1167.88 | 13.81 | 1154.07 | 14.01 | 1153.87 | 13.29 | 1154.59 | 14.70 | 1153.18 | - | - | 15.31 | 1152.57 | 14.16 | 1153.72 | 14.80 | 1153.08 |
| MW-45S | 1527716.25 | 2377271.87 | 1168.45 | 1168.15 | 13.13 | 1155.02 | 11.64 | 1156.51 | 12.57 | 1155.58 | 14.30 | 1153.85 | - | - | 14.94 | 1153.21 | 13.64 | 1154.51 | 14.46 | 1153.69 |
| MW-46D | 1528103.79 | 2377168.59 | 1169.91 | 1169.67 | 12.09 | 1157.58 | 10.39 | 1159.28 | 11.32 | 1158.35 | 14.81 | 1154.86 | 11.44 | 1158.23 | 16.10 | 1153.57 | 12.87 | 1156.80 | 15.14 | 1154.53 |
| MW-46I | 1528110.54 | 2377166.66 | 1169.89 | 1169.56 | 11.34 | 1158.22 | 9.43 | 1160.13 | 10.62 | 1158.94 | 14.10 | 1155.46 | 10.17 | 1159.39 | 15.35 | 1154.21 | 12.2 | 1157.36 | 14.61 | 1154.95 |
| MW-47D | 1527424.46 | 2377456.13 | 1169.71 | 1169.34 | 14.28 | 1155.06 | 13.59 | 1155.75 | 14.13 | 1155.21 | 14.56 | 1154.78 | 13.75 | 1155.59 | 14.76 | 1154.58 | 14.37 | 1154.97 | 14.56 | 1154.78 |
| MW-47S | 1527431.98 | 2377451.62 | 1169.81 | 1169.51 | 14.61 | 1154.90 | 14.02 | 1155.49 | 14.48 | 1155.03 | 14.85 | 1154.66 | 14.17 | 1155.34 | 15.02 | 1154.49 | 14.71 | 1154.80 | 14.85 | 1154.66 |
| MW-48D | 1527389.74 | 2377509.79 | 1170.07 | 1169.73 | 13.89 | 1155.84 | 13.40 | 1156.33 | 13.76 | 1155.97 | 14.01 | 1155.72 | 13.38 | 1156.35 | 14.16 | 1155.57 | 13.82 | 1155.91 | 14.02 | 1155.71 |
| MW-48S | 1527389.65 | 2377505.60 | 1170.05 | 1169.79 | 14.09 | 1155.70 | 13.53 | 1156.26 | 13.91 | 1155.88 | 14.17 | 1155.62 | 13.53 | 1156.26 | 14.32 | 1155.47 | 14.11 | 1155.68 | 14.16 | 1155.63 |
| MW-49D | 1527676.58 | 2377162.19 | 1156.72 | 1159.21 | 6.78 | 1152.43 | 5.95 | 1153.26 | 6.60 | 1152.61 | 7.02 | 1152.19 | - | - | 7.25 | 1151.96 | 6.88 | 1152.33 | 7.04 | 1152.17 |
| MW-50D | 1527853.42 | 2377011.09 | 1155.11 | 1157.78 | 7.10 | 1150.68 | 5.41 | 1152.37 | 6.83 | 1150.95 | 7.51 | 1150.27 | 5.29 | 1152.49 | 7.95 | 1149.83 | 7.1 | 1150.68 | 7.41 | 1150.37 |
| MW-51D | 1528022.06 | 2376920.74 | 1156.20 | 1158.91 | 8.75 | 1150.16 | 6.57 | 1152.34 | 8.30 | 1150.61 | 9.48 | 1149.43 | 6.21 | 1152.70 | 10.14 | 1148.77 | 8.72 | 1150.19 | 9.46 | 1149.45 |
| MW-52D | 1528179.90 | 2376839.14 | 1152.89 | 1155.74 | 7.01 | 1148.73 | 5.84 | 1149.90 | 6.80 | 1148.94 | 7.38 | 1148.36 | 5.69 | 1150.05 | 7.66 | 1148.08 | 7.04 | 1148.70 | 7.44 | 1148.30 |
| MW-54D | 1528071.77 | 2376813.64 | 1152.52 | 1155.38 | 7.12 | 1148.26 | 5.27 | 1150.11 | 6.97 | 1148.41 | 7.26 | 1148.12 | 6.10 | 1149.28 | 7.42 | 1147.96 | 7.02 | 1148.36 | 7.30 | 1148.08 |
| MW-55D | 1528186.73 | 2376980.14 | 1160.31 | 1163.11 | 11.4 | 1151.71 | 9.52 | 1153.59 | - | - | 12.81 | 1150.30 | 9.42 | 1153.69 | 13.68 | 1149.43 | 11.75 | 1151.36 | 13.00 | 1150.11 |
| MW-56D | 1527909.84 | 2377107.13 | 1164.28 | 1167.18 | 13.39 | 1153.79 | 10.99 | 1156.19 | 12.68 | 1154.50 | 14.73 | 1152.45 | 12.16 | 1155.02 | 15.38 | 1151.80 | 13.86 | 1153.32 | 14.80 | 1152.38 |
| MW-57D | 1528067.10 | 2376999.70 | 1159.77 | 1162.26 | 10.49 | 1151.77 | 8.03 | 1154.23 | 9.84 | 1152.42 | 11.73 | 1150.53 | 7.71 | 1154.55 | 12.63 | 1149.63 | 10.64 | 1151.62 | 11.79 | 1150.47 |
| MW-57I | 1528073.73 | 2376999.27 | 1159.74 | 1162.39 | 10.22 | 1152.17 | 7.42 | 1154.97 | 9.52 | 1152.87 | 11.66 | 1150.73 | 7.10 | 1155.29 | 12.64 | 1149.75 | 10.4 | 1151.99 | 11.67 | 1150.72 |
| MW-58D | 1528012.78 | 2377066.31 | 1163.79 | 1166.17 | 12.65 | 1153.52 | 9.81 | 1156.36 | 11.80 | 1154.37 | 14.48 | 1151.69 | 10.59 | 1155.58 | 15.43 | 1150.74 | 13.05 | 1153.12 | 14.49 | 1151.68 |
| MW-58S | 1528009.06 | 2377066.26 | 1163.69 | 1166.12 | 12.35 | 1153.77 | 9.45 | 1156.67 | 11.45 | 1154.67 | 14.25 | 1151.87 | 10.37 | 1155.75 | 15.22 | 1150.90 | 12.79 | 1153.33 | 14.31 | 1151.81 |
| MW-59D | 1528069.18 | 2376950.08 | 1156.93 | 1159.81 | 8.59 | 1151.22 | 6.34 | 1153.47 | 8.04 | 1151.77 | 9.71 | 1150.10 | 6.08 | 1153.73 | 10.55 | 1149.26 | 8.7 | 1151.11 | 9.76 | 1150.05 |
| MW-59I | 1528071.95 | 2376947.12 | 1156.66 | 1159.42 | 8.06 | 1151.36 | 5.66 | 1153.76 | 7.51 | 1151.91 | 9.28 | 1150.14 | 5.23 | 1154.19 | 10.15 | 1149.27 | 8.17 | 1151.25 | 9.31 | 1150.11 |
| MW-60D | 1527968.94 | 2376986.24 | 1159.22 | 1161.72 | 10.62 | 1151.10 | 8.35 | 1153.37 | 10.08 | 1151.64 | 11.57 | 1150.15 | 8.12 | 1153.60 | 12.33 | 1149.39 | 10.62 | 1151.10 | 11.55 | 1150.17 |
| MW-61 | 1528153.92 | 2377163.832 | 1170.37 | 1170.03 | 11.23 | 1158.80 | 10.68 | 1159.35 | 10.44 | 1159.59 | 14.35 | 1155.68 | 10.56 | 1159.47 | 15.80 | 1154.23 | 12.17 | 1157.86 | 14.88 | 1155.15 |
| MW-62 | 1528316.709 | 2376666.685 | 1149.36 | 1152.27 | 5.03 | 1147.24 | 3.82 | 1148.45 | 4.82 | 1147.45 | 4.87 | 1147.40 | 3.71 | 1148.56 | 4.96 | 1147.31 | 4.97 | 1147.30 | 5.11 | 1147.16 |
| MW-63 | 1527483.344 | 2377591.305 | 1174.47 | 1174.17 | 15.68 | 1158.49 | 15.30 | 1158.87 | 14.97 | 1159.20 | 16.02 | 1158.15 | 15.20 | 1158.97 | 16.00 | 1158.17 | 14.83 | 1159.34 | 15.78 | 1158.39 |
| MW-64 | 1527437.485 | 2377623.987 | 1174.5 | 1174.25 | 14.34 | 1159.91 | 13.58 | 1160.67 | 13.45 | 1160.80 | 14.36 | 1159.89 | 13.29 | 1160.96 | - | - | - | - | - | - |
| MW-65S | 1527417.05 | 2377574.019 | 1174.4 | 1174.08 | 15.39 | 1158.69 | - | - | 14.68 | 1159.40 | 15.49 | 1158.59 | 15.00 | 1159.08 | - | - | - | - | - | - |
| MW-65D | 1527419.736 | 2377572.494 | 1174.41 | 1174.11 | 15.72 | 1158.39 | 15.12 | 1158.99 | 15.14 | 1158.97 | 15.89 | 1158.22 | 14.58 | 1159.53 | 16.14 | 1157.97 | 15.23 | 1158.88 | 15.79 | 1158.32 |
| MW-66 | 1527518.302 | 2377571.991 | 1174.44 | 1174.15 | 16.61 | 1157.54 | 16.28 | 1157.87 | 15.96 | 1158.19 | 17.19 | 1156.96 | 16.38 | 1157.77 | 17.51 | 1156.64 | 16.52 | 1157.63 | 17.11 | 1157.04 |
| MW-W | 1527757.44 | 2376939.01 | - | 1156.55 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| BR-1D | 1528339.13 | 2377483.16 | 1178.06 | 1181.00 | 18.90 | 1162.10 | 18.57 | 1162.43 | 18.26 | 1162.74 | 21.99 | 1159.01 | - | - | 23.18 | 1157.82 | 20.16 | 1160.84 | 22.39 | 1158.61 |
| BR-1S | 1528333.82 | 2377482.80 | 1178.18 | 1181.08 | 14.14 | 1166.94 | 14.31 | 1166.77 | 14.03 | 1167.05 | 19.25 | 1161.83 | - | - | 20.74 | 1160.34 | 16.02 | 1165.06 | 19.22 | 1161.86 |
| BR-2 | 1528130.81 | 2377683.24 | 1172.72 | 1172.39 | 8.34 | 1164.05 | 8.08 | 1164.31 | 7.92 | 1164.47 | 10.86 | 1161.53 | - | - | 11.59 | 1160.80 | 9.21 | 1163.18 | 10.68 | 1161.71 |
| BR-3 | 1527786.64 | 2377902.96 | 1171.49 | 1174.56 | 9.64 | 1164.92 | 10.10 | 1164.46 | 8.80 | 1165.76 | 11.35 | 1163.21 | - | - | 11.79 | 1162.77 | 9.59 | 1164.97 | 11.15 | 1163.41 |
| BR-4D | 1527424.75 | 2377460.40 | 1169.79 | 1169.58 | 13.72 | 1155.86 | 12.64 | 1156.94 | 13.34 | 1156.24 | 14.51 | 1155.07 | 13.24 | 1156.34 | 14.96 | 1154.62 | 14.31 | 1155.27 | 14.65 | 1154.93 |
| BR-4S | 1527429.86 | 2377456.18 | 1169.85 | 1169.48 | 14.37 | 1155.11 | 13.68 | 1155.80 | 14.21 | 1155.27 | 14.67 | 1154.81 | 13.85 | 1155.63 | 14.89 | 1154.59 | 14.46 | 1155.02 | 14.67 | 1154.81 |
| BR-5 | 1528181.12 | 2376833.31 | 1153.01 | 1156.00 | 7.30 | 1148.70 | 6.20 | 1149.80 | 6.88 | 1149.12 | 7.79 | 1148.21 | 6.26 | 1149.74 | 8.10 | 1147.90 | 7.38 | 1148.62 | 7.96 | 1148.04 |
| BR-6 | 1527864.20 | 2377008.44 | 1155.39 | 1158.35 | 9.28 | 1149.07 | 8.22 | 1150.13 | 9.24 | 1149.11 | 9.77 | 1148.58 | 8.30 | 1150.05 | 10.18 | 1148.17 | 9.58 | 1148.77 | 9.95 | 1148.40 |
| BR-7 | 1528371.33 | 2376662.91 | 1149.11 | 1151.88 | 3.70 | 1148.18 | 1.52 | 1150.36 | 2.61 | 1149.27 | 4.55 | 1147.33 | 2.48 | 1149.40 | 5.62 | 1146.26 | 3.77 | 1148.11 | 4.96 | 1146.92 |
| BR-8D | 1528249.08 | 2376612.94 | 1149.84 | 1152.60 | 4.45 | 1148.15 | 6.67 | 1145.93 | 4.47 | 1148.13 | 5.83 | 1146.77 | 10.28 | 1142.32 | 5.76 | 1146.84 | 3.37 | 1149.23 | 6.26 | 1146.34 |
| BR-8S | 1528244.10 | 2376612.87 | 1149.60 | 1152.52 | 4.94 | 1147.58 | 0.77 | 1151.75 | 4.69 | 1147.83 | 5.13 | 1147.39 | 3.33 | 1149.19 | 5.17 | 1147.35 | 4.93 | 1147.59 | 5.30 | 1147.22 |

**Notes:**
Elevations expressed in untis of feet above mean sea level, datum NGVD, 1988
Northing and Easting coordinates in Georgia State Plane coordinate system
MW-25DRX is an artesian well that flows when uncapped. On 7/3/03 and 6/6/05, site conditions permitted attachment of a riser to measure artesian head.

**Table 3-1**
**Summary of Potentiometric Data**
2009-2012
Avery Dennison Facility
Flowery Branch, Georgia

| Structure | Northing | Easting | Elevation | Elevation | 6/2/2009 | | 10/13/2009 | | 5/25/2010 | | 11/2/2010 | | 2/5/2011 | | 10/17/2011 | | 4/26/2012 | | 10/17/2012 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Name | Feet | Feet | Ground | Structure | Depth | Elev. | Depth | Elev. | Depth | Elev. | Depth | Elev. | Depth | Elev. | Depth | Elev. | Depth | Elev. | Depth | Elev. |
| BR-9D | 1528061.42 | 2376722.56 | 1150.45 | 1153.02 | flowing | >1153.02 | flowing | >1153.02 | flowing | >1153.02 | flowing | >1153.02 | flowing | >1153.02 | flowing | >1153.02 | flowing | >1153.02 | flowing | >1153.02 |
| BR-9S | 1528064.43 | 2376724.88 | 1150.59 | 1153.51 | 4.57 | 1148.94 | 3.86 | 1149.65 | 4.11 | 1149.40 | 5.51 | 1148.00 | 3.88 | 1149.63 | 5.90 | 1147.61 | 5.93 | 1147.58 | 5.73 | 1147.78 |
| BR-10D | 1527638.61 | 2376958.59 | 1156.30 | 1159.07 | 2.01 | 1157.06 | 2.48 | 1156.59 | 0.45 | 1158.62 | 2.61 | 1156.46 | - | - | 3.41 | 1155.66 | 3.14 | 1155.93 | 4.35 | 1154.72 |
| BR-10S | 1527642.09 | 2376960.75 | 1155.72 | 1158.32 | 0.84 | 1157.48 | 0.48 | 1157.84 | 0.50 | 1157.82 | 3.18 | 1155.14 | - | - | 3.82 | 1154.50 | 2.14 | 1156.18 | 4.57 | 1153.75 |
| BR-11 | 1527421.14 | 2377257.02 | 1158.59 | 1161.08 | 7.15 | 1153.93 | 5.51 | 1155.57 | 6.69 | 1154.39 | 7.96 | 1153.12 | 5.79 | 1155.29 | 8.33 | 1152.75 | 7.3 | 1153.78 | 7.90 | 1153.18 |
| BR-12 | 1528570.36 | 2377400.76 | 1170.88 | 1173.73 | - | - | - | | - | - | - | - | - | - | - | - | - | - | - | - |
| BR-13 | 1528213.87 | 2377634.84 | 1173.67 | 1173.30 | 6.70 | 1166.6 | 4.71 | 1168.59 | 6.32 | 1166.98 | 9.90 | 1163.40 | - | - | 10.95 | 1162.35 | 7.66 | 1165.64 | 9.35 | 1163.95 |
| BR-14 | 1528273.60 | 2377600.13 | 1173.98 | 1173.65 | 11.90 | 1161.75 | 12.08 | 1161.57 | 11.21 | 1162.44 | 14.77 | 1158.88 | - | - | 16.17 | 1157.48 | 12.98 | 1160.67 | 15.62 | 1158.03 |
| BR-15 | 1527720.27 | 2377269.50 | 1168.51 | 1168.27 | 17.13 | 1151.14 | 14.52 | 1153.75 | 16.65 | 1151.62 | 17.96 | 1150.31 | - | - | 18.20 | 1150.07 | 16.76 | 1151.51 | 17.45 | 1150.82 |
| BR-16 | 1527675.27 | 2377151.65 | 1156.60 | 1159.30 | 6.69 | 1152.61 | 4.27 | 1155.03 | 5.94 | 1153.36 | 7.15 | 1152.15 | - | - | 7.40 | 1151.90 | 6.31 | 1152.99 | 6.90 | 1152.40 |
| BR-17 | 1528116.29 | 2377156.23 | 1169.77 | 1169.47 | 14.80 | 1154.67 | 12.91 | 1156.56 | 13.79 | 1155.68 | 16.63 | 1152.84 | 11.88 | 1157.59 | 17.64 | 1151.83 | 14.9 | 1154.57 | 16.70 | 1152.77 |
| BR-18 | 1528181.585 | 2376968.354 | 1159.28 | 1161.88 | 12.72 | 1149.16 | 11.71 | 1150.17 | - | - | 13.31 | 1148.57 | 11.74 | 1150.14 | 13.57 | 1148.31 | 13.08 | 1148.80 | 13.43 | 1148.45 |
| BR-19 | 1527918.05 | 2377109.39 | 1164.10 | 1167.05 | 15.98 | 1151.07 | 14.31 | 1152.74 | 15.76 | 1151.29 | 16.72 | 1150.33 | 14.05 | 1153.00 | 16.95 | 1150.10 | 15.54 | 1151.51 | 16.25 | 1150.80 |
| BR-20 | 1528023.64 | 2376926.56 | 1156.53 | 1159.48 | 10.35 | 1149.13 | 9.30 | 1150.18 | 10.27 | 1149.21 | 10.84 | 1148.64 | 9.32 | 1150.16 | 11.19 | 1148.29 | 10.65 | 1148.83 | 10.97 | 1148.51 |
| BR-20D | 1528031.09 | 2376922.50 | 1156.22 | 1159.02 | 10.02 | 1149.00 | 8.99 | 1150.03 | 9.93 | 1149.09 | 10.48 | 1148.54 | 8.95 | 1150.07 | 10.80 | 1148.22 | 10.29 | 1148.73 | 10.67 | 1148.35 |
| BR-21 | 1528058.51 | 2376816.83 | 1152.91 | 1155.83 | 7.34 | 1148.49 | 6.43 | 1149.40 | 7.20 | 1148.63 | 7.53 | 1148.30 | 6.27 | 1149.56 | 7.70 | 1148.13 | 7.26 | 1148.57 | 7.58 | 1148.25 |
| BR-21D | 1528059.64 | 2376829.61 | 1152.67 | 1155.38 | 6.40 | 1148.98 | 5.34 | 1150.04 | 6.29 | 1149.09 | 6.81 | 1148.57 | 5.30 | 1150.08 | 7.17 | 1148.21 | 6.6 | 1148.78 | 6.98 | 1148.40 |
| BR-22S | 1528310.95 | 2376670.79 | 1149.09 | 1151.91 | 4.40 | 1147.51 | 2.98 | 1148.93 | 4.21 | 1147.70 | 4.37 | 1147.54 | 3.43 | 1148.48 | 4.35 | 1147.56 | 4.4 | 1147.51 | 4.65 | 1147.26 |
| BR-22D | 1528308.72 | 2376673.13 | 1149.01 | 1151.83 | 4.66 | 1147.17 | 2.98 | 1148.85 | 4.47 | 1147.36 | 4.42 | 1147.41 | 3.49 | 1148.34 | 4.42 | 1147.41 | 4.42 | 1147.41 | 4.89 | 1146.94 |
| BR-23 | 1528063.91 | 2376989.10 | 1159.07 | 1160.89 | 11.75 | 1149.14 | 10.69 | 1150.20 | 11.69 | 1149.20 | 12.28 | 1148.61 | 10.78 | 1150.11 | 12.66 | 1148.23 | 12.11 | 1148.78 | 12.45 | 1148.44 |
| BR-24 | 1527392.67 | 2377502.89 | 1170.19 | 1169.96 | 13.55 | 1156.41 | 12.17 | 1157.79 | 12.93 | 1157.03 | 14.08 | 1155.88 | 12.98 | 1156.98 | 14.67 | 1155.29 | 14.22 | 1155.74 | 14.46 | 1155.50 |
| SBW-1 | 1528328.68 | 2376630.52 | 1147.21 | 1151.41 | 4.50 | 1146.91 | 3.85 | 1147.56 | 4.57 | 1146.84 | 4.29 | 1147.12 | 4.15 | 1147.26 | 4.43 | 1146.98 | 4.61 | 1146.80 | 4.52 | 1146.89 |
| SBW-2 | 1528272.47 | 2376678.96 | 1147.07 | 1151.56 | 4.56 | 1147.00 | 3.92 | 1147.64 | 4.50 | 1147.06 | 4.31 | 1147.25 | 3.43 | 1148.13 | 4.55 | 1147.01 | 4.53 | 1147.03 | 4.52 | 1147.04 |
| SBW-3 | 1528169.16 | 2376739.70 | 1147.26 | 1152.61 | 5.06 | 1147.55 | 4.55 | 1148.06 | 4.87 | 1147.74 | 4.98 | 1147.63 | 4.48 | 1148.13 | 5.08 | 1147.53 | 4.87 | 1147.74 | 5.03 | 1147.58 |
| SBW-4 | 1528098.61 | 2376796.17 | 1147.42 | 1152.50 | 4.55 | 1147.95 | 4.07 | 1148.43 | 4.54 | 1147.96 | 4.67 | 1147.83 | 4.19 | 1148.31 | 4.68 | 1147.82 | 4.41 | 1148.09 | 4.66 | 1147.84 |
| SBW-5 | 1528019.60 | 2376764.18 | 1148.34 | 1153.16 | 4.78 | 1148.38 | 4.31 | 1148.85 | 4.75 | 1148.41 | 4.93 | 1148.23 | 4.48 | 1148.68 | 4.41 | 1148.75 | 4.58 | 1148.58 | 4.83 | 1148.33 |
| SBW-6 | 1527694.74 | 2377111.54 | 1151.81 | 1156.74 | - | - | - | - | - | - | - | - | - | - | 4.34 | -* | 4.33 | -* | 4.53 | -* |
| SBW-7 | 1527626.06 | 2377200.77 | 1152.43 | 1157.07 | 4.64 | 1152.43 | 3.89 | 1153.18 | 4.49 | 1152.58 | 4.59 | 1152.48 | 4.38 | 1152.69 | 4.80 | 1152.27 | 4.51 | 1152.56 | 4.56 | 1152.51 |
| SBW-8 | 1527407.42 | 2377436.17 | 1154.07 | 1159.34 | 4.84 | 1154.50 | 4.44 | 1154.90 | 4.79 | 1154.55 | 4.79 | 1154.55 | 4.45 | 1154.89 | 5.05 | 1154.29 | 4.83 | 1154.51 | 4.83 | 1154.51 |
| SBW-9 | 1527368.08 | 2377474.02 | 1155.16 | 1159.96 | 5.14 | 1154.82 | 4.83 | 1155.13 | 5.08 | 1154.88 | 5.12 | 1154.84 | 5.01 | 1154.95 | 5.22 | 1154.74 | 5.11 | 1154.85 | 5.17 | 1154.79 |
| SBW-10 | 1527324.05 | 2377522.75 | 1156.22 | 1160.88 | 5.29 | 1155.59 | 5.03 | 1155.85 | 5.29 | 1155.59 | 5.23 | 1155.65 | 5.20 | 1155.68 | 5.26 | 1155.62 | 5.21 | 1155.67 | 5.24 | 1155.64 |
| SW Stage at SBW-1 | 1528328.68 | 2376630.52 | 1147.21 | 1151.41 | 4.55 | 1142.66 | 4.32 | 1147.09 | 4.65 | 1146.76 | 4.36 | 1147.05 | 4.30 | 1147.11 | 4.46 | 1146.95 | 4.63 | 1146.78 | 4.66 | 1146.75 |
| SW Stage at SBW-2 | 1528272.47 | 2376678.96 | 1147.07 | 1151.56 | 4.57 | 1142.50 | 4.13 | 1147.43 | 4.57 | 1146.99 | 4.40 | 1147.16 | 4.03 | 1147.53 | 4.64 | 1146.92 | 4.67 | 1146.89 | 4.69 | 1146.87 |
| SW Stage at SBW-3 | 1528169.16 | 2376739.70 | 1147.26 | 1152.61 | 5.09 | 1142.17 | 4.68 | 1147.93 | 4.97 | 1147.64 | 5.05 | 1147.56 | 4.71 | 1147.90 | 5.05 | 1147.56 | 4.95 | 1147.66 | 5.09 | 1147.52 |
| SW Stage at SBW-4 | 1528098.61 | 2376796.17 | 1147.42 | 1152.50 | 4.76 | 1142.66 | 4.45 | 1148.05 | 4.86 | 1147.64 | 4.75 | 1147.75 | 4.45 | 1148.05 | 4.95 | 1147.55 | 4.87 | 1147.63 | 4.95 | 1147.55 |
| SW Stage at SBW-5 | 1528019.60 | 2376764.18 | 1148.34 | 1153.16 | 4.78 | 1143.56 | 4.42 | 1148.74 | 4.75 | 1148.41 | 5.01 | 1148.15 | 4.45 | 1148.71 | 4.45 | 1148.71 | 4.6 | 1148.56 | 4.81 | 1148.35 |
| SW Stage at SBW-6 | 1527694.74 | 2377111.54 | 1151.81 | 1156.74 | - | - | - | - | - | - | - | - | - | - | 4.37 | 1152.37 | 4.33 | 1152.41 | 4.55 | 1152.19 |
| SW Stage at SBW-7 | 1527626.06 | 2377200.77 | 1152.43 | 1157.07 | 4.85 | 1147.58 | 4.48 | 1152.59 | 4.76 | 1152.31 | 4.75 | 1152.32 | 4.57 | 1152.50 | 4.70 | 1152.37 | 4.8 | 1152.27 | 5.11 | 1151.96 |
| SW Stage at SBW-8 | 1527407.42 | 2377436.17 | 1154.07 | 1159.34 | 4.97 | 1149.10 | 4.73 | 1154.61 | 4.90 | 1154.44 | 4.95 | 1154.39 | 4.70 | 1154.64 | 4.86 | 1154.48 | 4.98 | 1154.36 | 4.83 | 1154.51 |
| SW Stage at SBW-9 | 1527368.08 | 2377474.02 | 1155.16 | 1159.96 | 5.05 | 1150.11 | 4.91 | 1155.05 | 5.08 | 1154.88 | - | - | 5.16 | 1154.80 | 5.24 | 1154.72 | 5.17 | 1154.79 | 5.35 | 1154.61 |
| SW Stage at SBW-10 | 1527324.05 | 2377522.75 | 1156.22 | 1160.88 | 5.34 | 1150.88 | 5.10 | 1155.78 | 5.38 | 1155.50 | 5.30 | 1155.58 | 5.30 | 1155.58 | 5.31 | 1155.57 | 5.3 | 1155.58 | 5.34 | 1155.54 |

**Notes:**
Elevations expressed in untis of feet above mean sea level, datum NGVD, 1988
Northing and Easting coordinates in Georgia State Plane coordinate system
MW-25DRX is an artesian well that flows when uncapped. On 7/3/03 and 6/6/05, site conditions permitted attachment of a riser to measure artesian head.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | BR-1D | BR-1D | BR-1D | BR-1D | BR-1D | BR-1D | BR-1D | BR-1S | BR-1S | BR-1S | BR-1S | BR-1S | BR-1S |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 6/8/2005 | 6/8/2005 | 6/20/2006 | 10/3/2006 | 2/16/2007 | 5/15/2007 | 10/24/2007 | 5/25/2005 | 6/17/2006 | 10/4/2006 | 2/17/2007 | 5/15/2007 | 10/25/2007 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | Duplicate | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethene | 520 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dioxane | 70 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2-Butanone (MEK) | 11800 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 |
| Acetone | 45600 | **210** | **230** | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | **98** | **170** | **210** | **120** | **150** |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Methylcyclohexane | Not Regulated | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| o-Xylene | 10000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Xylenes (unspecified) | 10000 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | BR-2 | BR-2 | BR-2 | BR-2 | BR-2 | BR-2 | BR-3 | BR-3 | BR-3 | BR-3 | BR-3 | BR-4D | BR-4D |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 5/23/2005 | 6/17/2006 | 10/3/2006 | 2/17/2007 | 5/15/2007 | 10/24/2007 | 6/14/2005 | 6/17/2006 | 10/5/2006 | 2/18/2007 | 5/18/2007 | 6/8/2005 | 6/20/2006 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethene | 520 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dioxane | 70 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2-Butanone (MEK) | 11800 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 |
| Acetone | 45600 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Methylcyclohexane | Not Regulated | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| o-Xylene | 10000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Xylenes (unspecified) | 10000 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | BR-4D | BR-4D | BR-4D | BR-4D | BR-4D | BR-4D | BR-4D | BR-4D | BR-4D | BR-4D | BR-4D | BR-4D | BR-4D |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 10/5/2006 | 2/19/2007 | 5/17/2007 | 10/26/2007 | 6/3/2009 | 6/3/2009 | 10/15/2009 | 10/15/2009 | 5/25/2010 | 11/3/2010 | 2/8/2011 | 10/25/2011 | 4/19/2012 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | Duplicate | | Duplicate | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethene | 520 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 2 | ND < 2 | ND < 2 | ND < 2 |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | -- | -- | -- | -- |
| 1,4-Dioxane | 70 | -- | -- | -- | -- | ND < 60 | ND < 60 | ND < 150 | ND < 150 | ND < 250 | ND < 250 | ND < 250 | ND < 2 | ND < 2 |
| 2-Butanone (MEK) | 11800 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| Acetone | 45600 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 5 | ND < 5 | ND < 25 | ND < 25 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 1 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | -- | -- | -- | -- |
| Methylcyclohexane | Not Regulated | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | -- | ND < 5 | -- | -- | -- | -- |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 2 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 1 | ND < 1 | ND < 1 | ND < 1 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | -- | -- | -- | -- | -- |
| o-Xylene | 10000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 1 | -- | -- | -- | -- | -- |
| Xylenes (unspecified) | 10000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | BR-4D | BR-4S | BR-4S | BR-4S | BR-4S | BR-4S | BR-4S | BR-4S | BR-4S | BR-4S | BR-4S | BR-4S | BR-4S |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 10/20/2012 | 5/26/2005 | 6/19/2006 | 10/6/2006 | 2/18/2007 | 5/16/2007 | 10/25/2007 | 6/3/2009 | 10/14/2009 | 5/25/2010 | 11/3/2010 | 2/5/2011 | 10/24/2011 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethene | 520 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 2 | ND < 2 | ND < 2 |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | -- | -- | -- |
| 1,4-Dioxane | 70 | ND < 2 | -- | -- | -- | -- | -- | -- | ND < 60 | ND < 150 | ND < 250 | ND < 250 | ND < 250 | ND < 2 |
| 2-Butanone (MEK) | 11800 | ND < 10 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 5 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| Acetone | 45600 | ND < 20 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 5 | ND < 25 | ND < 20 | ND < 20 | ND < 20 | ND < 20 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | **1.4** | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | -- | -- | -- |
| Methylcyclohexane | Not Regulated | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | -- | -- | -- |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | **2.1** | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 1 | ND < 1 | ND < 2 | ND < 2 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | -- | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 2 | ND < 2 | -- | -- | -- | -- |
| o-Xylene | 10000 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | -- | -- | -- | -- |
| Xylenes (unspecified) | 10000 | ND < 5 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | BR-4S | BR-4S | BR-5 | BR-5 | BR-5 | BR-5 | BR-5 | BR-5 | BR-5 | BR-5 | BR-5 | BR-5 | BR-5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 4/19/2012 | 10/20/2012 | 5/23/2005 | 6/22/2006 | 10/7/2006 | 2/20/2007 | 5/19/2007 | 10/27/2007 | 6/6/2009 | 10/16/2009 | 10/18/2011 | 4/24/2012 | 10/18/2012 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | ND < 5 | ND < 5 | ND < 5 | **17** | ND < 5 | **17** | ND < 5 | ND < 5 | **2.9** | **2.7** | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethene | 520 | ND < 2 | ND < 2 | **6.2** | **89** | **23** | **88** | **18** | **5.6** | **5.9** | **2.7** | **3** | ND < 2 | ND < 2 |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | -- | -- | -- |
| 1,4-Dioxane | 70 | ND < 2 | ND < 2 | -- | -- | -- | -- | -- | -- | ND < 150 | ND < 150 | ND < 2 | ND < 2 | ND < 2 |
| 2-Butanone (MEK) | 11800 | ND < 10 | ND < 10 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 5 | ND < 5 | ND < 10 | ND < 10 | ND < 10 |
| Acetone | 45600 | ND < 20 | ND < 20 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 25 | ND < 25 | ND < 20 | ND < 20 | ND < 20 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 5 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | -- | -- | -- |
| Methylcyclohexane | Not Regulated | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | -- | -- |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 1 | ND < 1 | ND < 2 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | -- | -- | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 2 | ND < 2 | -- | -- | -- |
| o-Xylene | 10000 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | -- | -- | -- |
| Xylenes (unspecified) | 10000 | ND < 5 | ND < 5 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | BR-6 | BR-6 | BR-6 | BR-6 | BR-6 | BR-6 | BR-6 | BR-6 | BR-6 | BR-6 | BR-6 | BR-6 | BR-6 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 6/8/2005 | 6/23/2006 | 10/9/2006 | 2/20/2007 | 5/19/2007 | 10/27/2007 | 10/31/2007 | 11/1/2007 | 6/4/2009 | 10/14/2009 | 10/23/2011 | 4/22/2012 | 10/20/2012 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | **220** | **12** | **12** | **15** | **19** | **5.3** | **93** | **74** | ND < 2 | **4.6** | ND < 5 | ND < 5 | ND < 5 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | **77** | **570** | **380** | **450** | **530** | **250** | **540** | **270** | **60** | **45.4** | **39** | **34** | **28** |
| 1,1-Dichloroethene | 520 | **530** | **2800** | **2100** | **2100** | **2600** | **1300** | **3500** | **2200** | **370** | **345** | **260** | **210** | **200** |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 1 | -- | -- | -- |
| 1,4-Dioxane | 70 | -- | -- | -- | -- | -- | -- | -- | -- | ND < 120 | ND < 150 | **3.7** | **3.2** | ND < 2 |
| 2-Butanone (MEK) | 11800 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 10 | ND < 5 | ND < 10 | ND < 10 | ND < 10 |
| Acetone | 45600 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 10 | ND < 25 | ND < 20 | ND < 20 | ND < 20 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | -- | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 2 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 1 | -- | -- | -- |
| Methylcyclohexane | Not Regulated | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | -- | -- |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | **6.6** | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | ND < 2 | **3.7** | ND < 2 | ND < 2 | ND < 2 | **2.7** | ND < 2 | ND < 2 | ND < 2 | ND < 1 | ND < 2 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 4 | ND < 2 | -- | -- | -- |
| o-Xylene | 10000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 1 | -- | -- | -- |
| Xylenes (unspecified) | 10000 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | -- | ND < 5 | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | BR-7 | BR-7 | BR-7 | BR-7 | BR-7 | BR-7 | BR-7 | BR-7 | BR-7 | BR-7 | BR-7 | BR-7 | BR-7 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 6/9/2005 | 6/21/2006 | 6/23/2006 | 10/9/2006 | 2/19/2007 | 5/18/2007 | 10/28/2007 | 6/8/2009 | 10/19/2009 | 5/26/2010 | 5/26/2010 | 11/4/2010 | 11/4/2010 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | Duplicate | | Duplicate |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethene | 520 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 2 | ND < 2 |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | -- | -- |
| 1,4-Dioxane | 70 | -- | -- | -- | -- | -- | -- | -- | ND < 150 | ND < 150 | ND < 250 | ND < 250 | ND < 250 | ND < 250 |
| 2-Butanone (MEK) | 11800 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 5 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| Acetone | 45600 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 25 | ND < 25 | ND < 20 | ND < 20 | ND < 20 | ND < 20 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | -- | -- |
| Methylcyclohexane | Not Regulated | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | -- | -- |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 1 | ND < 1 | ND < 2 | ND < 2 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 2 | ND < 2 | -- | -- | -- | -- |
| o-Xylene | 10000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | -- | -- | -- | -- |
| Xylenes (unspecified) | 10000 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | BR-7 | BR-7 | BR-7 | BR-7 | BR-8D | BR-8D | BR-8D | BR-8D | BR-8D | BR-8D | BR-8D | BR-8D | BR-8D |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 2/6/2011 | 10/22/2011 | 4/26/2012 | 10/21/2012 | 6/15/2005 | 6/22/2006 | 10/7/2006 | 2/19/2007 | 5/17/2007 | 10/26/2007 | 6/4/2009 | 10/19/2009 | 5/26/2010 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 |
| 1,1-Dichloroethane | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 |
| 1,1-Dichloroethene | 520 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 |
| 1,4-Dioxane | 70 | ND < 250 | ND < 2 | ND < 2 | ND < 2 | -- | -- | -- | -- | -- | -- | ND < 60 | ND < 150 | ND < 250 |
| 2-Butanone (MEK) | 11800 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 5 | ND < 5 | ND < 10 |
| Acetone | 45600 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 5 | ND < 25 | ND < 20 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 |
| Chloroethane | 29200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 1 | ND < 1 | ND < 5 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 |
| Freon-11 | 2000 | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 |
| Methylcyclohexane | Not Regulated | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 2 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 |
| Vinyl chloride | 3 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 1 | ND < 1 | ND < 2 |
| m&p-Xylene | 10000 | -- | -- | -- | -- | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 2 | ND < 2 | -- |
| o-Xylene | 10000 | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | -- |
| Xylenes (unspecified) | 10000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | -- | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | BR-8D | BR-8D | BR-8D | BR-8D | BR-8D | BR-8S | BR-8S | BR-8S | BR-8S | BR-8S | BR-8S | BR-8S | BR-8S |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 11/4/2010 | 2/6/2011 | 10/23/2011 | 4/24/2012 | 10/19/2012 | 5/23/2005 | 6/22/2006 | 10/7/2006 | 2/19/2007 | 5/17/2007 | 10/26/2007 | 6/3/2009 | 10/19/2009 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| 1,1-Dichloroethane | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| 1,1-Dichloroethene | 520 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| 1,4-Dichlorobenzene | 75 | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| 1,4-Dioxane | 70 | ND < 250 | ND < 250 | ND < 2 | ND < 2 | ND < 2 | -- | -- | -- | -- | -- | -- | ND < 60 | ND < 150 |
| 2-Butanone (MEK) | 11800 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 5 | ND < 5 |
| Acetone | 45600 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 5 | ND < 25 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| Chloroethane | 29200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 1 | ND < 1 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| Freon-11 | 2000 | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| Methylcyclohexane | Not Regulated | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 2 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| Trichloroethene | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| Vinyl chloride | 3 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 1 | ND < 1 |
| m&p-Xylene | 10000 | -- | -- | -- | -- | -- | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 2 | ND < 2 |
| o-Xylene | 10000 | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| Xylenes (unspecified) | 10000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | -- |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | BR-8S | BR-8S | BR-8S | BR-8S | BR-8S | BR-8S | BR-9D | BR-9D | BR-9D | BR-9D | BR-9D | BR-9D | BR-9D |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 5/25/2010 | 11/3/2010 | 2/7/2011 | 10/23/2011 | 4/24/2012 | 10/19/2012 | 6/15/2005 | 6/21/2006 | 10/8/2006 | 10/8/2006 | 2/19/2007 | 5/17/2007 | 5/17/2007 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | Duplicate | | | Duplicate |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethene | 520 | ND < 5 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | ND < 5 | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dioxane | 70 | ND < 250 | ND < 250 | ND < 250 | ND < 2 | ND < 2 | ND < 2 | -- | -- | -- | -- | -- | -- | -- |
| 2-Butanone (MEK) | 11800 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 |
| Acetone | 45600 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | **59** | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | ND < 5 | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Methylcyclohexane | Not Regulated | ND < 5 | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | -- | -- | -- | -- | -- | -- | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| o-Xylene | 10000 | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Xylenes (unspecified) | 10000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | BR-9D | BR-9D | BR-9S | BR-9S | BR-9S | BR-9S | BR-9S | BR-9S | BR-9S | BR-10D | BR-10D | BR-10D | BR-10D |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 4/25/2012 | 10/22/2012 | 5/23/2005 | 6/21/2006 | 10/6/2006 | 2/19/2007 | 5/17/2007 | 4/25/2012 | 10/22/2012 | 6/15/2005 | 6/20/2006 | 10/6/2006 | 2/18/2007 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethene | 520 | ND < 2 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dioxane | 70 | ND < 2 | ND < 2 | -- | -- | -- | -- | -- | ND < 2 | ND < 2 | -- | -- | -- | -- |
| 2-Butanone (MEK) | 11800 | ND < 10 | ND < 10 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 10 | ND < 10 | ND < 50 | ND < 50 | ND < 50 | ND < 50 |
| Acetone | 45600 | ND < 20 | ND < 20 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 20 | ND < 20 | ND < 50 | ND < 50 | ND < 50 | ND < 50 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 5 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 5 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Methylcyclohexane | Not Regulated | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | -- | -- | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | -- | -- | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| o-Xylene | 10000 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Xylenes (unspecified) | 10000 | ND < 5 | ND < 5 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | ND < 5 | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | BR-10D | BR-10S | BR-10S | BR-10S | BR-10S | BR-10S | BR-11 | BR-11 | BR-11 | BR-11 | BR-11 | BR-11 | BR-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 5/16/2007 | 5/26/2005 | 6/18/2006 | 10/4/2006 | 2/17/2007 | 5/16/2007 | 5/25/2005 | 5/25/2005 | 6/19/2006 | 10/5/2006 | 2/18/2007 | 5/16/2007 | 6/8/2005 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | Duplicate | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethene | 520 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dioxane | 70 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2-Butanone (MEK) | 11800 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 |
| Acetone | 45600 | ND < 50 | **190** | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Methylcyclohexane | Not Regulated | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| o-Xylene | 10000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Xylenes (unspecified) | 10000 | ND < 5 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | BR-12 | BR-12 | BR-12 | BR-12 | BR-13 | BR-13 | BR-14 | BR-14 | BR-15 | BR-15 | BR-15 | BR-15 | BR-16 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 6/19/2006 | 10/6/2006 | 2/18/2007 | 5/16/2007 | 9/19/2007 | 10/25/2007 | 9/13/2007 | 10/25/2007 | 10/27/2007 | 10/24/2011 | 4/20/2012 | 10/20/2012 | 10/30/2007 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **26** |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **6.2** | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethene | 520 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 2 | **36** |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 |
| 1,4-Dioxane | 70 | -- | -- | -- | -- | -- | -- | -- | -- | -- | ND < 2 | ND < 2 | ND < 2 | -- |
| 2-Butanone (MEK) | 11800 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 10 | ND < 10 | ND < 10 | ND < 50 |
| Acetone | 45600 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 20 | ND < 20 | ND < 20 | ND < 50 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 10 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 |
| Methylcyclohexane | Not Regulated | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | -- | -- | -- | ND < 10 |
| o-Xylene | 10000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 |
| Xylenes (unspecified) | 10000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | BR-16 | BR-16 | BR-16 | BR-17 | BR-17 | BR-17 | BR-17 | BR-17 | BR-17 | BR-18 | BR-18 | BR-18 | BR-18 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 10/23/2011 | 4/21/2012 | 10/20/2012 | 10/29/2007 | 6/6/2009 | 10/17/2009 | 10/26/2011 | 4/23/2012 | 10/18/2012 | 11/7/2007 | 6/7/2009 | 10/17/2009 | 10/19/2011 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 |
| 1,1-Dichloroethane | 4000 | **9** | ND < 5 | ND < 5 | ND < 5 | **1** | ND < 1 | ND < 5 | ND < 5 | ND < 5 | **51** | **39** | **33.8** | ND < 5 |
| 1,1-Dichloroethene | 520 | **11** | ND < 2 | ND < 2 | ND < 5 | **1.2** | ND < 1 | ND < 2 | ND < 2 | ND < 2 | **33** | **21.4** | **17.6** | ND < 2 |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | -- | -- | -- | ND < 5 | ND < 1 | ND < 1 | -- | -- | -- | ND < 5 | ND < 1 | ND < 1 | -- |
| 1,4-Dioxane | 70 | ND < 2 | ND < 2 | ND < 2 | -- | ND < 150 | ND < 150 | ND < 2 | ND < 2 | ND < 2 | -- | ND < 150 | ND < 150 | ND < 2 |
| 2-Butanone (MEK) | 11800 | ND < 10 | ND < 10 | ND < 10 | ND < 50 | ND < 5 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | ND < 50 | ND < 5 | ND < 5 | ND < 10 |
| Acetone | 45600 | ND < 20 | ND < 20 | ND < 20 | ND < 50 | ND < 25 | ND < 25 | ND < 20 | ND < 20 | ND < 20 | ND < 50 | ND < 25 | ND < 25 | **70** |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 |
| Chloroethane | 29200 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 1 | ND < 1 | ND < 5 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 |
| Freon-11 | 2000 | -- | -- | -- | ND < 5 | ND < 1 | ND < 1 | -- | -- | -- | ND < 5 | ND < 1 | ND < 1 | -- |
| Methylcyclohexane | Not Regulated | -- | -- | -- | ND < 5 | -- | -- | -- | -- | -- | ND < 5 | -- | -- | -- |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **1.4** | ND < 1 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 |
| Vinyl chloride | 3 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 1 | ND < 1 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 1 | ND < 1 | ND < 2 |
| m&p-Xylene | 10000 | -- | -- | -- | ND < 10 | ND < 2 | ND < 2 | -- | -- | -- | ND < 10 | ND < 2 | ND < 2 | -- |
| o-Xylene | 10000 | -- | -- | -- | ND < 5 | ND < 1 | ND < 1 | -- | -- | -- | ND < 5 | ND < 1 | ND < 1 | -- |
| Xylenes (unspecified) | 10000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | BR-18 | BR-18 | BR-19 | BR-19 | BR-19 | BR-19 | BR-19 | BR-19 | BR-20 | BR-20 | BR-20 | BR-20 | BR-20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 4/25/2012 | 10/20/2012 | 10/29/2007 | 6/6/2009 | 10/18/2009 | 10/21/2011 | 4/24/2012 | 10/22/2012 | 11/3/2007 | 6/8/2009 | 10/15/2009 | 2/7/2011 | 10/19/2011 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | **160** | **84.5** | **81.7** | **41** | **26** |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | **12** | **11** | ND < 5 | ND < 1 | **2.1** | ND < 5 | **20** | ND < 5 | **440** | **150** | **181** | **160** | **110** |
| 1,1-Dichloroethene | 520 | **7** | **7** | ND < 5 | ND < 1 | **10.7** | ND < 2 | **42** | **7** | **2800** | **1080** | **1400** | **920** | **710** |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **1.9** | **2.3** | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | -- | -- | ND < 5 | ND < 1 | ND < 1 | -- | -- | -- | ND < 5 | ND < 1 | ND < 1 | -- | -- |
| 1,4-Dioxane | 70 | **2** | ND < 2 | -- | ND < 150 | ND < 150 | ND < 2 | ND < 2 | ND < 2 | -- | ND < 150 | ND < 150 | ND < 250 | **11** |
| 2-Butanone (MEK) | 11800 | ND < 10 | ND < 10 | ND < 50 | ND < 5 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | ND < 50 | ND < 5 | ND < 5 | ND < 10 | ND < 10 |
| Acetone | 45600 | ND < 20 | ND < 20 | ND < 50 | ND < 25 | ND < 25 | ND < 20 | ND < 20 | ND < 20 | ND < 50 | ND < 25 | ND < 25 | ND < 20 | ND < 20 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 5 | ND < 5 | ND < 10 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | -- | -- | ND < 5 | ND < 1 | ND < 1 | -- | -- | -- | ND < 5 | ND < 1 | ND < 1 | -- | -- |
| Methylcyclohexane | Not Regulated | -- | -- | ND < 5 | -- | -- | -- | -- | -- | ND < 5 | -- | -- | -- | -- |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **2.3** | ND < 2 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | **5** | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | **5.2** | **2.7** | **3.1** | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | ND < 2 | ND < 2 | ND < 2 | ND < 1 | ND < 1 | ND < 2 | ND < 2 | ND < 2 | **5.6** | **1.7** | ND < 1 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | -- | -- | ND < 10 | ND < 2 | ND < 2 | -- | -- | -- | ND < 10 | ND < 2 | ND < 2 | -- | -- |
| o-Xylene | 10000 | -- | -- | ND < 5 | ND < 1 | ND < 1 | -- | -- | -- | ND < 5 | ND < 1 | ND < 1 | -- | -- |
| Xylenes (unspecified) | 10000 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | BR-20 | BR-20 | BR-20D | BR-20D | BR-20D | BR-20D | BR-20D | BR-21 | BR-21 | BR-21 | BR-21 | BR-21 | BR-21 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 4/22/2012 | 10/18/2012 | 6/9/2009 | 10/15/2009 | 10/19/2011 | 4/21/2012 | 10/22/2012 | 11/3/2007 | 6/4/2009 | 10/14/2009 | 2/7/2011 | 10/18/2011 | 4/25/2012 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | **7** | **20** | **14** | **7.5** | ND < 5 | ND < 5 | ND < 5 | **570** | **73** | **101** | **16** | **190** | **94** |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | **220** | **110** | **24.1** | **36.2** | **25** | **26** | **15** | **130** | **88** | **69.4** | **61** | **66** | **110** |
| 1,1-Dichloroethene | 520 | **950** | **690** | **92.1** | **101** | **36** | **22** | **11** | **1700** | **570** | **521** | **330** | **680** | **560** |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | -- | -- | ND < 1 | ND < 1 | -- | -- | -- | ND < 5 | ND < 5 | ND < 1 | -- | -- | -- |
| 1,4-Dioxane | 70 | **22** | **8.9** | ND < 150 | ND < 150 | **2.1** | ND < 2 | ND < 2 | -- | ND < 300 | ND < 150 | ND < 250 | **11** | **11** |
| 2-Butanone (MEK) | 11800 | ND < 10 | ND < 10 | ND < 5 | **77.2** | ND < 10 | ND < 10 | ND < 10 | ND < 50 | ND < 25 | ND < 5 | ND < 10 | ND < 10 | ND < 10 |
| Acetone | 45600 | ND < 20 | ND < 20 | ND < 25 | ND < 25 | ND < 20 | ND < 20 | ND < 20 | ND < 50 | ND < 25 | ND < 25 | ND < 20 | ND < 20 | ND < 20 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 25 | -- | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 5 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | -- | -- | ND < 1 | ND < 1 | -- | -- | -- | ND < 5 | ND < 5 | ND < 1 | -- | -- | -- |
| Methylcyclohexane | Not Regulated | -- | -- | -- | -- | -- | -- | -- | ND < 5 | -- | -- | -- | -- | -- |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **4.5** | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **1.4** | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | **3** | ND < 2 | ND < 1 | ND < 1 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 5 | ND < 1 | ND < 2 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | -- | -- | ND < 2 | ND < 2 | -- | -- | -- | ND < 10 | ND < 10 | ND < 2 | -- | -- | -- |
| o-Xylene | 10000 | -- | -- | ND < 1 | ND < 1 | -- | -- | -- | ND < 5 | ND < 5 | ND < 1 | -- | -- | -- |
| Xylenes (unspecified) | 10000 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | ND < 5 | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | BR-21 | BR-21 | BR-21D | BR-21D | BR-21D | BR-21D | BR-21D | BR-22D | BR-22D | BR-22D | BR-22D | BR-22D | BR-22D |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 10/21/2012 | 10/21/2012 | 6/9/2009 | 10/17/2009 | 10/18/2011 | 4/23/2012 | 10/21/2012 | 6/9/2009 | 10/18/2009 | 5/26/2010 | 11/4/2010 | 2/7/2011 | 10/21/2011 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | Duplicate | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | **250** | **270** | ND < 1 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 1 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | **70** | **74** | **81.1** | **73.6** | **37** | **39** | **36** | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethene | 520 | **770** | **760** | **254** | **254** | **76** | **52** | **48** | ND < 1 | ND < 1 | ND < 5 | ND < 2 | ND < 2 | ND < 2 |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 1 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | -- | -- | ND < 1 | ND < 2 | -- | -- | -- | ND < 1 | ND < 1 | ND < 5 | -- | -- | -- |
| 1,4-Dioxane | 70 | **9.4** | **8.9** | ND < 150 | ND < 300 | ND < 2 | ND < 2 | ND < 2 | ND < 150 | ND < 150 | ND < 250 | ND < 250 | ND < 250 | ND < 2 |
| 2-Butanone (MEK) | 11800 | ND < 10 | ND < 10 | ND < 5 | **383** | **280** | **91** | **52** | ND < 5 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | **16** |
| Acetone | 45600 | ND < 20 | ND < 20 | ND < 25 | ND < 50 | ND < 20 | ND < 20 | ND < 20 | ND < 25 | ND < 25 | ND < 20 | ND < 20 | ND < 20 | ND < 20 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 1 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 5 | ND < 5 | ND < 1 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 1 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 1 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 1 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | -- | -- | ND < 1 | ND < 2 | -- | -- | -- | ND < 1 | ND < 1 | ND < 5 | -- | -- | -- |
| Methylcyclohexane | Not Regulated | -- | -- | -- | -- | -- | -- | -- | -- | -- | ND < 5 | -- | -- | -- |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 2 | ND < 4 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 1 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 1 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 1 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 1 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | ND < 5 | ND < 1 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | ND < 2 | ND < 2 | ND < 1 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 1 | ND < 1 | ND < 2 | ND < 2 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | -- | -- | ND < 2 | ND < 4 | -- | -- | -- | ND < 2 | ND < 2 | -- | -- | -- | -- |
| o-Xylene | 10000 | -- | -- | ND < 1 | ND < 2 | -- | -- | -- | ND < 1 | ND < 1 | -- | -- | -- | -- |
| Xylenes (unspecified) | 10000 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | BR-22D | BR-22D | BR-22S | BR-22S | BR-22S | BR-22S | BR-22S | BR-22S | BR-22S | BR-22S | BR-23 | BR-23 | BR-24 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 4/24/2012 | 10/21/2012 | 6/9/2009 | 10/18/2009 | 5/26/2010 | 11/4/2010 | 2/7/2011 | 10/21/2011 | 4/23/2012 | 10/21/2012 | 5/31/2009 | 6/1/2009 | 6/10/2009 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **36** | **42** | ND < 1 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 1 |
| 1,1-Dichloroethane | 4000 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **50** | **47** | ND < 1 |
| 1,1-Dichloroethene | 520 | ND < 2 | ND < 2 | ND < 1 | ND < 1 | ND < 5 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | **210** | **180** | ND < 1 |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 1 |
| 1,4-Dichlorobenzene | 75 | -- | -- | ND < 1 | ND < 1 | ND < 5 | -- | -- | -- | -- | -- | ND < 2 | ND < 2 | ND < 1 |
| 1,4-Dioxane | 70 | ND < 2 | ND < 2 | ND < 150 | ND < 150 | ND < 250 | ND < 250 | ND < 250 | ND < 2 | ND < 2 | ND < 2 | ND < 120 | ND < 120 | ND < 150 |
| 2-Butanone (MEK) | 11800 | **12** | ND < 10 | ND < 5 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 5 |
| Acetone | 45600 | ND < 20 | ND < 20 | ND < 25 | ND < 25 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 10 | ND < 10 | ND < 25 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 10 | -- |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 1 |
| Chloroethane | 29200 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 1 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 1 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 1 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 1 |
| Freon-11 | 2000 | -- | -- | ND < 1 | ND < 1 | ND < 5 | -- | -- | -- | -- | -- | ND < 2 | ND < 2 | ND < 1 |
| Methylcyclohexane | Not Regulated | -- | -- | -- | -- | ND < 5 | -- | -- | -- | -- | -- | -- | -- | -- |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 2 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 1 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 1 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **6.6** | **12** | ND < 1 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 1 |
| Trichloroethene | 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 1 |
| Vinyl chloride | 3 | ND < 2 | ND < 2 | ND < 1 | ND < 1 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 1 |
| m&p-Xylene | 10000 | -- | -- | ND < 2 | ND < 2 | -- | -- | -- | -- | -- | -- | ND < 4 | ND < 4 | ND < 2 |
| o-Xylene | 10000 | -- | -- | ND < 1 | ND < 1 | -- | -- | -- | -- | -- | -- | ND < 2 | ND < 2 | ND < 1 |
| Xylenes (unspecified) | 10000 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | -- |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | BR-24 | BR-24 | BR-24 | BR-24 | BR-24 | BR-24 | BR-24 | MW-1 | MW-1 | MW-1 | MW-1 | MW-1 | MW-1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 10/16/2009 | 5/26/2010 | 11/4/2010 | 2/8/2011 | 10/25/2011 | 4/18/2012 | 10/18/2012 | 2/2/2002 | 4/23/2003 | 8/4/2003 | 11/4/2004 | 5/18/2005 | 6/18/2006 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | **1.7** | **14** | ND < 5 | ND < 5 | ND < 5 |
| 1,1,2-Trichloroethane | 5 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | **5.7** | **44** | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethene | 520 | ND < 1 | ND < 5 | ND < 2 | ND < 2 | ND < 2 | **2** | ND < 2 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| 1,2-Dichloroethane | 5 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | ND < 1 | ND < 5 | -- | -- | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dioxane | 70 | ND < 150 | ND < 250 | ND < 250 | ND < 250 | ND < 2 | **2** | ND < 2 | -- | -- | -- | -- | -- | -- |
| 2-Butanone (MEK) | 11800 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | -- | -- | -- | ND < 10 | ND < 50 | ND < 50 |
| Acetone | 45600 | ND < 25 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 25 | ND < 25 | ND < 25 | ND < 20 | ND < 50 | ND < 50 |
| Carbon disulfide | 4000 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **11** | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 10 | ND < 10 | ND < 10 |
| Chloroform | 80 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | ND < 1 | ND < 5 | -- | -- | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 |
| Methylcyclohexane | Not Regulated | -- | ND < 5 | -- | -- | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 |
| Methylene chloride | 450 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **1.1** | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | ND < 1 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | -- | -- | -- | ND < 2 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | ND < 2 | -- | -- | -- | -- | -- | -- | -- | -- | -- | ND < 10 | ND < 10 | ND < 10 |
| o-Xylene | 10000 | ND < 1 | -- | -- | -- | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 |
| Xylenes (unspecified) | 10000 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 2 | -- | -- | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-1 | MW-1 | MW-1 | MW-1 | MW-1 | MW-1 | MW-1 | MW-1 | MW-1 | MW-1 | MW-1 | MW-2 | MW-2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 10/5/2006 | 2/18/2007 | 5/16/2007 | 6/5/2009 | 10/18/2009 | 5/27/2010 | 11/3/2010 | 2/5/2011 | 10/27/2011 | 4/18/2012 | 10/22/2012 | 2/2/2002 | 4/23/2003 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| 1,1-Dichloroethane | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| 1,1-Dichloroethene | 520 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 1 | ND < 1 |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| 1,4-Dichlorobenzene | 75 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | -- | -- | -- | -- | -- | -- | -- |
| 1,4-Dioxane | 70 | -- | -- | -- | ND < 150 | ND < 150 | ND < 250 | ND < 250 | ND < 250 | ND < 2 | ND < 2 | ND < 2 | -- | -- |
| 2-Butanone (MEK) | 11800 | ND < 50 | ND < 50 | ND < 50 | ND < 5 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | -- | -- |
| Acetone | 45600 | ND < 50 | ND < 50 | ND < 50 | ND < 25 | ND < 25 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 25 | ND < 25 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| Chloroethane | 29200 | ND < 10 | ND < 10 | ND < 10 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| Freon-11 | 2000 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | -- | -- | -- | -- | -- | -- | -- |
| Methylcyclohexane | Not Regulated | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | -- | -- | -- | -- | -- | -- | -- |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| Trichloroethene | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| Vinyl chloride | 3 | ND < 2 | ND < 2 | ND < 2 | ND < 1 | ND < 1 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | -- | -- |
| m&p-Xylene | 10000 | ND < 10 | ND < 10 | ND < 10 | ND < 2 | ND < 2 | -- | -- | -- | -- | -- | -- | -- | -- |
| o-Xylene | 10000 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | -- | -- | -- | -- | -- | -- | -- | -- |
| Xylenes (unspecified) | 10000 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-2 | MW-2 | MW-2 | MW-2 | MW-2 | MW-2 | MW-2 | MW-2 | MW-2 | MW-3 | MW-3 | MW-3 | MW-3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 8/4/2003 | 11/4/2004 | 5/19/2005 | 5/27/2010 | 11/3/2010 | 2/8/2011 | 10/27/2011 | 4/19/2012 | 10/22/2012 | 2/2/2002 | 4/23/2003 | 8/4/2003 | 11/4/2004 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **760** | **1200** | **590** | **300** |
| 1,1,2-Trichloroethane | 5 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 |
| 1,1-Dichloroethane | 4000 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **250** | **240** | **330** | **210** |
| 1,1-Dichloroethene | 520 | **2.4** | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | **1700** | **4000** | **2800** | **2300** |
| 1,2-Dichloroethane | 5 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 50 | ND < 50 | ND < 100 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | -- | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | -- | -- | -- | -- | -- | ND < 5 |
| 1,4-Dioxane | 70 | -- | -- | -- | ND < 250 | ND < 250 | ND < 250 | ND < 2 | ND < 2 | ND < 2 | -- | -- | -- | -- |
| 2-Butanone (MEK) | 11800 | -- | ND < 10 | ND < 50 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | -- | -- | -- | ND < 10 |
| Acetone | 45600 | ND < 25 | ND < 20 | ND < 50 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 1200 | ND < 1200 | ND < 2500 | ND < 20 |
| Carbon disulfide | 4000 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 50 | ND < 50 | ND < 100 | ND < 5 |
| Carbon tetrachloride | 10 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 |
| Chloroethane | 29200 | ND < 1 | ND < 10 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 50 | ND < 50 | ND < 100 | ND < 10 |
| Chloroform | 80 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 |
| cis-1,2-Dichloroethene | 200 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 |
| Ethyl benzene | 700 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 50 | ND < 50 | ND < 100 | ND < 5 |
| Freon-11 | 2000 | -- | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | -- | -- | -- | -- | -- | ND < 5 |
| Methylcyclohexane | Not Regulated | -- | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | -- | -- | -- | -- | -- | ND < 5 |
| Methylene chloride | 450 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 |
| Styrene | 2600 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 |
| Tetrachloroethene | 98 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 |
| Toluene | 5200 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 50 | ND < 50 | ND < 100 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 |
| Trichloroethene | 5 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 |
| Vinyl chloride | 3 | -- | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | -- | -- | -- | **9.2** |
| m&p-Xylene | 10000 | -- | ND < 10 | ND < 10 | -- | -- | -- | -- | -- | -- | -- | -- | -- | ND < 10 |
| o-Xylene | 10000 | -- | ND < 5 | ND < 5 | -- | -- | -- | -- | -- | -- | -- | -- | -- | ND < 5 |
| Xylenes (unspecified) | 10000 | ND < 2 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 100 | ND < 100 | ND < 200 | -- |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-3 | MW-3 | MW-3 | MW-3 | MW-3 | MW-3 | MW-3 | MW-3 | MW-3 | MW-3 | MW-3 | MW-3 | MW-3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 5/19/2005 | 6/23/2006 | 10/9/2006 | 2/21/2007 | 5/18/2007 | 10/25/2007 | 6/5/2009 | 10/18/2009 | 5/27/2010 | 11/3/2010 | 2/5/2011 | 10/27/2011 | 4/19/2012 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | **740** | **150** | **71** | **820** | **95** | **110** | **629** | **424** | **60** | ND < 5 | **81** | ND < 5 | ND < 5 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **2.6** | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | **290** | **230** | **190** | **120** | **160** | **69** | **49.1** | **30** | **69** | **23** | **13** | **21** | **11** |
| 1,1-Dichloroethene | 520 | **3800** | **2300** | **2000** | **2500** | **2300** | **1000** | **1260** | **1140** | **690** | **220** | **320** | **180** | **62** |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **1.9** | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 10 | ND < 5 | -- | -- | -- | -- |
| 1,4-Dioxane | 70 | -- | -- | -- | -- | -- | -- | ND < 150 | ND < 1500 | ND < 250 | ND < 250 | ND < 250 | **3.4** | **7** |
| 2-Butanone (MEK) | 11800 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 5 | ND < 50 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| Acetone | 45600 | ND < 50 | **64** | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 25 | ND < 250 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 1 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 10 | ND < 5 | -- | -- | -- | -- |
| Methylcyclohexane | Not Regulated | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | -- | -- | -- | -- |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 20 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **1.3** | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | **8.9** | **12** | **20** | **8.3** | **9.7** | ND < 2 | **2.3** | ND < 10 | **3** | **3** | ND < 2 | **3** | ND < 2 |
| m&p-Xylene | 10000 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 2 | ND < 20 | -- | -- | -- | -- | -- |
| o-Xylene | 10000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 10 | -- | -- | -- | -- | -- |
| Xylenes (unspecified) | 10000 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-3 | MW-4 | MW-4 | MW-4 | MW-4 | MW-4 | MW-4 | MW-4 | MW-4 | MW-4 | MW-4 | MW-4 | MW-4 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 10/22/2012 | 2/2/2002 | 4/23/2003 | 8/4/2003 | 11/4/2004 | 5/19/2005 | 6/19/2006 | 10/5/2006 | 2/19/2007 | 5/17/2007 | 6/5/2009 | 6/5/2009 | 10/17/2009 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | Duplicate | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 |
| 1,1-Dichloroethane | 4000 | **7** | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 |
| 1,1-Dichloroethene | 520 | **46** | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 |
| 1,4-Dichlorobenzene | 75 | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 |
| 1,4-Dioxane | 70 | **4.9** | -- | -- | -- | -- | -- | -- | -- | -- | -- | ND < 150 | ND < 150 | ND < 150 |
| 2-Butanone (MEK) | 11800 | ND < 10 | -- | -- | -- | ND < 10 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 5 | ND < 5 | ND < 5 |
| Acetone | 45600 | ND < 20 | ND < 25 | ND < 25 | ND < 25 | ND < 20 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 25 | ND < 25 | ND < 25 |
| Carbon disulfide | 4000 | ND < 5 | **2.5** | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- |
| Carbon tetrachloride | 10 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 |
| Chloroethane | 29200 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 1 | ND < 1 | ND < 1 |
| Chloroform | 80 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **2.6** | **2.6** | **2.9** |
| cis-1,2-Dichloroethene | 200 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 |
| Ethyl benzene | 700 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 |
| Freon-11 | 2000 | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 |
| Methylcyclohexane | Not Regulated | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- |
| Methylene chloride | 450 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 2 |
| Styrene | 2600 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 |
| Tetrachloroethene | 98 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 |
| Toluene | 5200 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 |
| Trichloroethene | 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 |
| Vinyl chloride | 3 | ND < 2 | -- | -- | -- | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 1 | ND < 1 | ND < 1 |
| m&p-Xylene | 10000 | -- | -- | -- | -- | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 2 | ND < 2 | ND < 2 |
| o-Xylene | 10000 | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 |
| Xylenes (unspecified) | 10000 | ND < 5 | ND < 2 | ND < 2 | ND < 2 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-4 | MW-4 | MW-4 | MW-4 | MW-5 | MW-5 | MW-5 | MW-5 | MW-5 | MW-5 | MW-5 | MW-5 | MW-5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 10/17/2009 | 10/27/2011 | 4/19/2012 | 10/22/2012 | 2/2/2002 | 4/23/2003 | 8/4/2003 | 11/4/2004 | 5/19/2005 | 5/19/2005 | 6/23/2006 | 10/9/2006 | 2/21/2007 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | Duplicate | | | | | | | | | Duplicate | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | **2.3** | **1.4** | **2.6** | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1,2-Trichloroethane | 5 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | **1.8** | **9.1** | **10** | **8.4** | **21** | **20** | **6.3** | ND < 5 | **15** |
| 1,1-Dichloroethene | 520 | ND < 1 | ND < 2 | ND < 2 | ND < 2 | **3.9** | **42** | **25** | **31** | **77** | **73** | **44** | **25** | **78** |
| 1,2-Dichloroethane | 5 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | ND < 1 | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dioxane | 70 | ND < 150 | ND < 2 | ND < 2 | ND < 2 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2-Butanone (MEK) | 11800 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | -- | -- | -- | ND < 10 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 |
| Acetone | 45600 | ND < 25 | ND < 20 | ND < 20 | ND < 20 | ND < 25 | ND < 25 | ND < 25 | ND < 20 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 |
| Carbon disulfide | 4000 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | **2.2** | **1** | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| Chloroform | 80 | **3.2** | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | ND < 1 | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Methylcyclohexane | Not Regulated | -- | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Methylene chloride | 450 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | **1.7** | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | ND < 1 | ND < 2 | ND < 2 | ND < 2 | -- | -- | -- | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | ND < 2 | -- | -- | -- | -- | -- | -- | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| o-Xylene | 10000 | ND < 1 | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Xylenes (unspecified) | 10000 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 2 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-5 | MW-5 | MW-5 | MW-5 | MW-5 | MW-5 | MW-5 | MW-5 | MW-5 | MW-5 | MW-5 | MW-6 | MW-6 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 5/17/2007 | 5/17/2007 | 10/25/2007 | 6/5/2009 | 10/18/2009 | 5/27/2010 | 11/4/2010 | 2/8/2011 | 10/25/2011 | 4/19/2012 | 10/23/2012 | 2/2/2002 | 4/23/2003 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | Duplicate | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | ND < 5 | ND < 5 | **1.2** | **1.3** | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| 1,1-Dichloroethane | 4000 | **14** | **11** | ND < 5 | **17.8** | **9** | **34** | **13** | **10** | **6** | **18** | **9** | ND < 1 | ND < 1 |
| 1,1-Dichloroethene | 520 | **71** | **57** | **8.2** | **123** | **71.3** | **260** | **65** | **100** | **28** | **120** | **75** | ND < 1 | **1.4** |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| 1,4-Dichlorobenzene | 75 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | -- | -- | -- | -- | -- | -- | -- |
| 1,4-Dioxane | 70 | -- | -- | -- | ND < 150 | ND < 150 | ND < 250 | ND < 250 | ND < 250 | **7.4** | **16** | **3.7** | -- | -- |
| 2-Butanone (MEK) | 11800 | ND < 50 | ND < 50 | ND < 50 | ND < 5 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | -- | -- |
| Acetone | 45600 | ND < 50 | ND < 50 | ND < 50 | ND < 25 | ND < 25 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 25 | ND < 25 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| Chloroethane | 29200 | ND < 10 | ND < 10 | ND < 10 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| Freon-11 | 2000 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | -- | -- | -- | -- | -- | -- | -- |
| Methylcyclohexane | Not Regulated | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | -- | -- | -- | -- | -- | -- | -- |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 5 | **2** | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| Trichloroethene | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| Vinyl chloride | 3 | ND < 2 | ND < 2 | ND < 2 | ND < 1 | ND < 1 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | -- | -- |
| m&p-Xylene | 10000 | ND < 10 | ND < 10 | ND < 10 | ND < 2 | ND < 2 | -- | -- | -- | -- | -- | -- | -- | -- |
| o-Xylene | 10000 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | -- | -- | -- | -- | -- | -- | -- | -- |
| Xylenes (unspecified) | 10000 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-6 | MW-6 | MW-6 | MW-6 | MW-6 | MW-6 | MW-6 | MW-7 | MW-7 | MW-7 | MW-7 | MW-7 | MW-7 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 8/4/2003 | 11/3/2004 | 5/18/2005 | 10/26/2007 | 10/24/2011 | 4/20/2012 | 10/19/2012 | 2/2/2002 | 4/23/2003 | 8/4/2003 | 11/3/2004 | 5/18/2005 | 10/26/2007 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **48** | **1.9** | **9.8** | ND < 5 | ND < 5 | ND < 5 |
| 1,1,2-Trichloroethane | 5 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **230** | **24** | **57** | ND < 5 | ND < 5 | **12** |
| 1,1-Dichloroethene | 520 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 2 | **4.5** | **1.4** | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| 1,2-Dichloroethane | 5 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | -- | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dioxane | 70 | -- | -- | -- | -- | **13** | **14** | **9.8** | -- | -- | -- | -- | -- | -- |
| 2-Butanone (MEK) | 11800 | -- | ND < 10 | ND < 50 | ND < 50 | ND < 10 | ND < 10 | ND < 10 | -- | -- | -- | ND < 10 | ND < 50 | ND < 50 |
| Acetone | 45600 | ND < 25 | ND < 20 | ND < 50 | ND < 50 | ND < 20 | ND < 20 | ND < 20 | ND < 25 | ND < 25 | ND < 25 | ND < 20 | ND < 50 | ND < 50 |
| Carbon disulfide | 4000 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 1 | ND < 10 | ND < 10 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | **50** | **33** | **23** | ND < 10 | ND < 10 | ND < 10 |
| Chloroform | 80 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | -- | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 |
| Methylcyclohexane | Not Regulated | -- | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 |
| Methylene chloride | 450 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | -- | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | -- | -- | -- | ND < 2 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | -- | ND < 10 | ND < 10 | ND < 10 | -- | -- | -- | -- | -- | -- | ND < 10 | ND < 10 | ND < 10 |
| o-Xylene | 10000 | -- | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 |
| Xylenes (unspecified) | 10000 | ND < 2 | ND < 5 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 2 | ND < 5 | -- | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-7 | MW-7 | MW-7 | MW-8 | MW-8 | MW-8 | MW-8 | MW-8 | MW-8 | MW-8 | MW-8 | MW-8 | MW-8 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 10/24/2011 | 4/20/2012 | 10/19/2012 | 2/2/2002 | 4/22/2003 | 8/6/2003 | 11/7/2004 | 5/18/2005 | 6/22/2006 | 10/7/2006 | 2/20/2007 | 5/18/2007 | 10/29/2007 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | ND < 5 | **5** | ND < 5 | ND < 1 | **1.3** | **1.2** | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethene | 520 | ND < 2 | ND < 2 | ND < 2 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dioxane | 70 | **4.1** | **2.8** | **2.5** | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2-Butanone (MEK) | 11800 | ND < 10 | ND < 10 | ND < 10 | -- | -- | -- | ND < 10 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 |
| Acetone | 45600 | ND < 20 | ND < 20 | ND < 20 | ND < 25 | ND < 25 | ND < 25 | ND < 20 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 5 | ND < 5 | ND < 5 | **1.7** | **4.1** | **6.8** | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Methylcyclohexane | Not Regulated | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | ND < 2 | ND < 2 | ND < 2 | -- | -- | -- | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | -- | -- | -- | -- | -- | -- | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| o-Xylene | 10000 | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Xylenes (unspecified) | 10000 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 2 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-8 | MW-8 | MW-8 | MW-8 | MW-8 | MW-9 | MW-9 | MW-9 | MW-9 | MW-9 | MW-9 | MW-9 | MW-9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 6/7/2009 | 10/16/2009 | 10/20/2011 | 4/22/2012 | 10/21/2012 | 2/2/2002 | 4/25/2003 | 8/5/2003 | 11/7/2004 | 5/20/2005 | 10/28/2007 | 10/20/2011 | 4/22/2012 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 1 | ND < 1 | **5** | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1,2-Trichloroethane | 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | ND < 1 | ND < 1 | **10** | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | **9.1** | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethene | 520 | ND < 1 | ND < 1 | **22** | ND < 2 | **6** | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 |
| 1,2-Dichloroethane | 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | ND < 1 | ND < 1 | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| 1,4-Dioxane | 70 | ND < 150 | ND < 150 | ND < 2 | ND < 2 | ND < 2 | -- | -- | -- | -- | -- | -- | ND < 2 | ND < 2 |
| 2-Butanone (MEK) | 11800 | ND < 5 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | -- | -- | -- | ND < 10 | ND < 50 | ND < 50 | ND < 10 | ND < 10 |
| Acetone | 45600 | ND < 25 | ND < 25 | ND < 20 | ND < 20 | ND < 20 | ND < 25 | ND < 25 | ND < 25 | ND < 20 | ND < 50 | ND < 50 | ND < 20 | ND < 20 |
| Carbon disulfide | 4000 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | **6.1** | **3.2** | ND < 10 | ND < 10 | ND < 10 | ND < 5 | ND < 5 |
| Chloroform | 80 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 1 | **1.3** | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **35** |
| Freon-11 | 2000 | ND < 1 | ND < 1 | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| Methylcyclohexane | Not Regulated | -- | -- | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| Methylene chloride | 450 | ND < 2 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 1 | **3.1** | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | **6.1** | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **110** |
| trans-1,2-Dichloroethene | 160 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | ND < 1 | ND < 1 | ND < 2 | ND < 2 | ND < 2 | -- | -- | -- | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | ND < 2 | ND < 2 | -- | -- | -- | -- | -- | -- | ND < 10 | ND < 10 | ND < 10 | -- | -- |
| o-Xylene | 10000 | ND < 1 | ND < 1 | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| Xylenes (unspecified) | 10000 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 2 | -- | -- | ND < 5 | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-9 | MW-10 | MW-10 | MW-10 | MW-10 | MW-10 | MW-11 | MW-11 | MW-11 | MW-11 | MW-11 | MW-11 | MW-11 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 10/20/2012 | 2/2/2002 | 4/25/2003 | 8/5/2003 | 11/7/2004 | 5/17/2005 | 7/2/2002 | 4/24/2003 | 8/5/2003 | 11/7/2004 | 5/16/2005 | 10/25/2011 | 4/23/2012 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | **9.3** | **2.6** | ND < 2.5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | **5** | **1.3** | ND < 2.51 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethene | 520 | ND < 2 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | **2.1** | **1.4** | ND < 2.5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 2.5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | -- | -- | -- | -- | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | -- | -- |
| 1,4-Dioxane | 70 | ND < 2 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | ND < 2 | ND < 2 |
| 2-Butanone (MEK) | 11800 | ND < 10 | -- | -- | -- | ND < 10 | ND < 50 | -- | -- | -- | ND < 10 | ND < 50 | ND < 10 | ND < 10 |
| Acetone | 45600 | ND < 20 | **63** | ND < 25 | ND < 25 | ND < 20 | ND < 50 | ND < 25 | ND < 25 | ND < 62 | ND < 20 | ND < 50 | ND < 20 | ND < 20 |
| Carbon disulfide | 4000 | ND < 5 | **1.7** | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 2.5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 5 | **29** | **13** | **1.8** | ND < 10 | ND < 10 | ND < 1 | ND < 1 | ND < 2.5 | ND < 10 | ND < 10 | ND < 5 | ND < 5 |
| Chloroform | 80 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 2.5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | -- | -- | -- | -- | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | -- | -- |
| Methylcyclohexane | Not Regulated | -- | -- | -- | -- | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | -- | -- |
| Methylene chloride | 450 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | **44** | **340** | **96** | ND < 1 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 2.5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | ND < 2 | -- | -- | -- | ND < 2 | ND < 2 | -- | -- | -- | ND < 2 | ND < 2 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | -- | -- | -- | -- | ND < 10 | ND < 10 | -- | -- | -- | ND < 10 | ND < 10 | -- | -- |
| o-Xylene | 10000 | -- | -- | -- | -- | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | -- | -- |
| Xylenes (unspecified) | 10000 | ND < 5 | ND < 2 | ND < 2 | ND < 2 | -- | -- | ND < 2 | ND < 2 | ND < 5 | -- | -- | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-11 | MW-12 | MW-12 | MW-12 | MW-12 | MW-12 | MW-12 | MW-12 | MW-12 | MW-12 | MW-12 | MW-12 | MW-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 10/23/2012 | 2/2/2002 | 4/25/2003 | 8/5/2003 | 11/3/2004 | 5/20/2005 | 6/23/2006 | 10/9/2006 | 2/21/2007 | 5/19/2007 | 10/25/2007 | 6/6/2009 | 10/16/2009 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | **19** | **1.4** | ND < 2.5 | **7.1** | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **3.8** | ND < 1 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| 1,1-Dichloroethane | 4000 | ND < 5 | **380** | **68** | **54** | **140** | **15** | **63** | **25** | **58** | **69** | **41** | **60.1** | **41.7** |
| 1,1-Dichloroethene | 520 | ND < 2 | **99** | **44** | **28** | **38** | **16** | **20** | **14** | **23** | **35** | **34** | **10.8** | **7.7** |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 1 | ND < 1 | ND < 2.5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| 1,4-Dichlorobenzene | 75 | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| 1,4-Dioxane | 70 | ND < 2 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | ND < 150 | ND < 150 |
| 2-Butanone (MEK) | 11800 | ND < 10 | -- | -- | -- | ND < 10 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 5 | ND < 5 |
| Acetone | 45600 | ND < 20 | ND < 25 | ND < 25 | ND < 62 | ND < 20 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 25 | ND < 25 |
| Carbon disulfide | 4000 | ND < 5 | ND < 1 | ND < 1 | ND < 2.5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| Carbon tetrachloride | 10 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| Chloroethane | 29200 | ND < 5 | **180** | **48** | **36** | **45** | **34** | **51** | **21** | **49** | **60** | **78** | **59.5** | **41.2** |
| Chloroform | 80 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| Ethyl benzene | 700 | ND < 5 | ND < 1 | ND < 1 | ND < 2.5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| Freon-11 | 2000 | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| Methylcyclohexane | Not Regulated | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| Methylene chloride | 450 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 |
| Styrene | 2600 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| Tetrachloroethene | 98 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| Toluene | 5200 | ND < 5 | ND < 1 | ND < 1 | ND < 2.5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **3.9** | ND < 1 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| Trichloroethene | 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| Vinyl chloride | 3 | ND < 2 | -- | -- | -- | **5.6** | **4.4** | **9.4** | **4.7** | **12** | **14** | **21** | **4.7** | ND < 1 |
| m&p-Xylene | 10000 | -- | -- | -- | -- | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 2 | ND < 2 |
| o-Xylene | 10000 | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| Xylenes (unspecified) | 10000 | ND < 5 | ND < 2 | ND < 2 | ND < 5 | ND < 5 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-12 | MW-12 | MW-12 | MW-12 | MW-12 | MW-12 | MW-12 | MW-12 | MW-13 | MW-13 | MW-13 | MW-13 | MW-13 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 2/8/2011 | 2/8/2011 | 10/25/2011 | 10/25/2011 | 4/23/2012 | 4/23/2012 | 10/23/2012 | 10/23/2012 | 2/2/2002 | 4/18/2003 | 8/5/2003 | 11/3/2004 | 5/16/2005 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | Duplicate | | Duplicate | | Duplicate | | Duplicate | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | **9** | **8** | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| 1,1-Dichloroethene | 520 | ND < 2 | **2** | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 |
| 1,4-Dioxane | 70 | ND < 250 | ND < 250 | **7** | **7.5** | **8.8** | **8.8** | **4.8** | **4.6** | -- | -- | -- | -- | -- |
| 2-Butanone (MEK) | 11800 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | -- | -- | -- | ND < 10 | ND < 50 |
| Acetone | 45600 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 25 | ND < 25 | ND < 25 | ND < 20 | ND < 50 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 |
| Chloroethane | 29200 | **12** | **15** | ND < 5 | ND < 5 | **5** | **6** | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 10 | ND < 10 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 |
| Methylcyclohexane | Not Regulated | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | -- | -- | -- | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | ND < 10 | ND < 10 |
| o-Xylene | 10000 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 |
| Xylenes (unspecified) | 10000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 2 | ND < 5 | -- |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-13 | MW-13 | MW-13 | MW-13 | MW-13 | MW-14 | MW-14 | MW-14 | MW-14 | MW-14 | MW-14 | MW-14 | MW-14 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 6/20/2006 | 10/4/2006 | 2/17/2007 | 5/15/2007 | 10/24/2007 | 2/2/2002 | 4/22/2003 | 8/5/2003 | 11/5/2004 | 5/19/2005 | 6/23/2006 | 10/9/2006 | 2/21/2007 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **2.8** | **57** | **56** | **49** | **25** | **72** | **24** | ND < 5 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **14** | **33** | **36** | **35** | **21** | **62** | **26** | **6.4** |
| 1,1-Dichloroethene | 520 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **9.4** | **28** | **26** | **27** | **15** | **31** | **19** | ND < 5 |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dioxane | 70 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2-Butanone (MEK) | 11800 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | -- | -- | -- | ND < 10 | ND < 50 | ND < 50 | ND < 50 | ND < 50 |
| Acetone | 45600 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 25 | ND < 25 | ND < 25 | ND < 20 | ND < 50 | ND < 50 | ND < 50 | ND < 50 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 1 | ND < 1 | ND < 1 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Methylcyclohexane | Not Regulated | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | -- | -- | -- | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | -- | -- | -- | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| o-Xylene | 10000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Xylenes (unspecified) | 10000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 2 | -- | -- | ND < 5 | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-14 | MW-14 | MW-14 | MW-14 | MW-14 | MW-15D | MW-15D | MW-15D | MW-15D | MW-15D | MW-15D | MW-15D | MW-15D |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 5/19/2007 | 10/29/2007 | 10/23/2011 | 4/22/2012 | 10/20/2012 | 7/1/2002 | 4/21/2003 | 8/6/2003 | 11/5/2004 | 5/19/2005 | 6/18/2006 | 10/5/2006 | 2/18/2007 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | **16** | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | ND < 5 | **22** | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethene | 520 | ND < 5 | **16** | ND < 2 | ND < 2 | ND < 2 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | ND < 5 | ND < 5 | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dioxane | 70 | -- | -- | ND < 2 | ND < 2 | ND < 2 | -- | -- | -- | -- | -- | -- | -- | -- |
| 2-Butanone (MEK) | 11800 | ND < 50 | ND < 50 | ND < 10 | ND < 10 | ND < 10 | -- | -- | -- | ND < 10 | ND < 50 | ND < 50 | ND < 50 | ND < 50 |
| Acetone | 45600 | ND < 50 | ND < 50 | ND < 20 | ND < 20 | ND < 20 | ND < 25 | ND < 25 | ND < 25 | ND < 20 | ND < 50 | ND < 50 | ND < 50 | ND < 50 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **2** | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 10 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | ND < 5 | ND < 5 | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Methylcyclohexane | Not Regulated | ND < 5 | ND < 5 | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | -- | -- | -- | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | ND < 10 | ND < 10 | -- | -- | -- | -- | -- | -- | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| o-Xylene | 10000 | ND < 5 | ND < 5 | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Xylenes (unspecified) | 10000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 2 | -- | -- | ND < 5 | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-15D | MW-15S | MW-15S | MW-15S | MW-15S | MW-15S | MW-16D | MW-16D | MW-16D | MW-16D | MW-16D | MW-16D | MW-16D |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 5/16/2007 | 7/1/2002 | 4/18/2003 | 8/6/2003 | 11/5/2004 | 5/19/2005 | 7/1/2002 | 4/21/2003 | 8/5/2003 | 11/4/2004 | 5/18/2005 | 6/19/2006 | 10/5/2006 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethene | 520 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dioxane | 70 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2-Butanone (MEK) | 11800 | ND < 50 | -- | -- | -- | ND < 10 | ND < 50 | -- | -- | -- | ND < 10 | ND < 50 | ND < 50 | ND < 50 |
| Acetone | 45600 | ND < 50 | ND < 25 | ND < 25 | ND < 25 | ND < 20 | ND < 50 | ND < 25 | ND < 25 | ND < 25 | ND < 20 | ND < 50 | ND < 50 | ND < 50 |
| Carbon disulfide | 4000 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 10 | ND < 1 | ND < 1 | ND < 1 | ND < 10 | ND < 10 | ND < 1 | ND < 1 | ND < 1 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| Chloroform | 80 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Methylcyclohexane | Not Regulated | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Methylene chloride | 450 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | ND < 2 | -- | -- | -- | ND < 2 | ND < 2 | -- | -- | -- | ND < 2 | ND < 2 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | ND < 10 | -- | -- | -- | ND < 10 | ND < 10 | -- | -- | -- | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| o-Xylene | 10000 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Xylenes (unspecified) | 10000 | ND < 5 | ND < 2 | ND < 2 | ND < 2 | -- | -- | ND < 2 | ND < 2 | ND < 2 | -- | -- | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-16D | MW-16D | MW-16S | MW-16S | MW-16S | MW-16S | MW-16S | MW-16S | MW-16S | MW-16S | MW-16S | MW-17 | MW-17 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 2/19/2007 | 5/17/2007 | 7/1/2002 | 4/21/2003 | 8/5/2003 | 11/4/2004 | 5/18/2005 | 6/19/2006 | 10/6/2006 | 2/18/2007 | 5/16/2007 | 7/1/2002 | 4/22/2003 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **390** | **210** |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| 1,1-Dichloroethane | 4000 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **180** | **120** |
| 1,1-Dichloroethene | 520 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **230** | **130** |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 10 |
| 1,4-Dichlorobenzene | 75 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| 1,4-Dioxane | 70 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2-Butanone (MEK) | 11800 | ND < 50 | ND < 50 | -- | -- | -- | ND < 10 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | -- | -- |
| Acetone | 45600 | ND < 50 | ND < 50 | ND < 25 | ND < 25 | ND < 25 | ND < 20 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 250 | ND < 250 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 10 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| Chloroethane | 29200 | ND < 10 | ND < 10 | ND < 1 | ND < 1 | ND < 1 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| Chloroform | 80 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 10 |
| Freon-11 | 2000 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| Methylcyclohexane | Not Regulated | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| Methylene chloride | 450 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| Styrene | 2600 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 10 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| Trichloroethene | 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| Vinyl chloride | 3 | ND < 2 | ND < 2 | -- | -- | -- | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | -- | -- |
| m&p-Xylene | 10000 | ND < 10 | ND < 10 | -- | -- | -- | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | -- | -- |
| o-Xylene | 10000 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| Xylenes (unspecified) | 10000 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 2 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 20 | ND < 20 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-17 | MW-17 | MW-17 | MW-17 | MW-17 | MW-17 | MW-17 | MW-17 | MW-17 | MW-17 | MW-17 | MW-17 | MW-18D |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 8/5/2003 | 11/5/2004 | 5/20/2005 | 6/23/2006 | 10/9/2006 | 2/20/2007 | 5/18/2007 | 5/18/2007 | 10/29/2007 | 10/23/2011 | 4/22/2012 | 10/20/2012 | 7/2/2002 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | Duplicate | | | | | |
| 1,1,1-Trichloroethane | 13600 | **220** | **6.4** | **60** | **80** | **220** | **51** | **63** | **67** | **190** | **14** | ND < 5 | **7** | **750** |
| 1,1,2-Trichloroethane | 5 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- |
| 1,1-Dichloroethane | 4000 | **130** | **6.1** | **53** | **96** | **270** | **62** | **85** | **95** | **220** | **30** | ND < 5 | **14** | ND < 25 |
| 1,1-Dichloroethene | 520 | **98** | **7.1** | **40** | **64** | **200** | **36** | **51** | **57** | **160** | **17** | ND < 2 | **8** | **680** |
| 1,2-Dichloroethane | 5 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 25 |
| 1,4-Dichlorobenzene | 75 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | -- |
| 1,4-Dioxane | 70 | -- | -- | -- | -- | -- | -- | -- | -- | -- | ND < 2 | ND < 2 | ND < 2 | -- |
| 2-Butanone (MEK) | 11800 | -- | ND < 10 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 10 | ND < 10 | ND < 10 | -- |
| Acetone | 45600 | ND < 250 | ND < 20 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 20 | ND < 20 | ND < 20 | ND < 620 |
| Carbon disulfide | 4000 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 25 |
| Carbon tetrachloride | 10 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- |
| Chloroethane | 29200 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 25 |
| Chloroform | 80 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- |
| cis-1,2-Dichloroethene | 200 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- |
| Ethyl benzene | 700 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 25 |
| Freon-11 | 2000 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | -- |
| Methylcyclohexane | Not Regulated | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | -- |
| Methylene chloride | 450 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- |
| Styrene | 2600 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- |
| Tetrachloroethene | 98 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- |
| Toluene | 5200 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 25 |
| trans-1,2-Dichloroethene | 160 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- |
| Trichloroethene | 5 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- |
| Vinyl chloride | 3 | -- | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | -- |
| m&p-Xylene | 10000 | -- | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | -- | -- | -- | -- |
| o-Xylene | 10000 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | -- |
| Xylenes (unspecified) | 10000 | ND < 20 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 50 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-18D | MW-18D | MW-18D | MW-18D | MW-18D | MW-18D | MW-18D | MW-18D | MW-18D | MW-18D | MW-18D | MW-18D | MW-18D |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 4/22/2003 | 8/1/2003 | 11/5/2004 | 11/5/2004 | 5/21/2005 | 5/21/2005 | 6/24/2006 | 10/9/2006 | 2/21/2007 | 5/19/2007 | 10/27/2007 | 6/4/2009 | 10/14/2009 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | Duplicate | | Duplicate | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | **1300** | **1100** | **1500** | **1500** | **970** | **920** | **3100** | **2000** | **2600** | **2100** | **1400** | **510** | **545** |
| 1,1,2-Trichloroethane | 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 1 |
| 1,1-Dichloroethane | 4000 | **26** | ND < 1 | **31** | **30** | **21** | **21** | **110** | **72** | **89** | **44** | **270** | **37** | **28.5** |
| 1,1-Dichloroethene | 520 | **1200** | **650** | **2300** | **2200** | **1100** | **990** | **3600** | **3100** | **3500** | **4100** | **3000** | **1300** | **1190** |
| 1,2-Dichloroethane | 5 | ND < 25 | **2.2** | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **6.6** | **6.8** | ND < 5 | **5.6** | ND < 10 | **2.1** |
| 1,4-Dichlorobenzene | 75 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 1 |
| 1,4-Dioxane | 70 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | ND < 600 | ND < 150 |
| 2-Butanone (MEK) | 11800 | -- | -- | ND < 10 | ND < 10 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 5 |
| Acetone | 45600 | ND < 620 | ND < 25 | ND < 20 | ND < 20 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 25 |
| Carbon disulfide | 4000 | ND < 25 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 50 | -- |
| Carbon tetrachloride | 10 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 1 |
| Chloroethane | 29200 | ND < 25 | ND < 1 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | **34** | **62** | ND < 1 |
| Chloroform | 80 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 1 |
| cis-1,2-Dichloroethene | 200 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 1 |
| Ethyl benzene | 700 | ND < 25 | ND < 25 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 1 |
| Freon-11 | 2000 | -- | -- | **5.8** | **5.5** | ND < 5 | ND < 5 | **10** | **8.5** | **9.4** | ND < 5 | **7.1** | ND < 10 | **2.3** |
| Methylcyclohexane | Not Regulated | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| Methylene chloride | 450 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 2 |
| Styrene | 2600 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 1 |
| Tetrachloroethene | 98 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | **4.6** |
| Toluene | 5200 | ND < 25 | ND < 25.2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 1 |
| trans-1,2-Dichloroethene | 160 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 1 |
| Trichloroethene | 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **10** | **7.9** | **8.4** | **8.4** | **6.4** | ND < 10 | **2.7** |
| Vinyl chloride | 3 | -- | -- | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 10 | ND < 1 |
| m&p-Xylene | 10000 | -- | -- | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 20 | ND < 2 |
| o-Xylene | 10000 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 1 |
| Xylenes (unspecified) | 10000 | ND < 50 | ND < 50 | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | -- |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-18D | MW-18D | MW-18D | MW-18S | MW-18S | MW-18S | MW-18S | MW-18S | MW-18S | MW-18S | MW-18S | MW-18S | MW-18S |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 10/24/2011 | 4/22/2012 | 10/18/2012 | 7/1/2002 | 4/22/2003 | 8/1/2003 | 11/5/2004 | 5/17/2005 | 6/20/2006 | 10/6/2006 | 2/21/2007 | 5/18/2007 | 10/29/2007 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | **130** | **160** | **85** | **1.7** | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | **12** | ND < 5 | ND < 5 | **25** |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | **19** | **29** | **21** | **11** | **3.4** | **3.9** | ND < 5 | ND < 5 | ND < 5 | **8.1** | ND < 5 | ND < 5 | **7.3** |
| 1,1-Dichloroethene | 520 | **340** | **290** | **270** | **12** | **3.2** | **2.3** | ND < 5 | ND < 5 | ND < 5 | **26** | ND < 5 | ND < 5 | **38** |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dioxane | 70 | **4.7** | **4.8** | **2.9** | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2-Butanone (MEK) | 11800 | ND < 10 | ND < 10 | ND < 10 | -- | -- | -- | ND < 10 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 |
| Acetone | 45600 | ND < 20 | ND < 20 | ND < 20 | ND < 25 | ND < 25 | ND < 25 | ND < 20 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 5 | **1** | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | **5** | ND < 5 | ND < 5 | **11** | **3** | **2.9** | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Methylcyclohexane | Not Regulated | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | ND < 2 | ND < 2 | ND < 2 | -- | -- | -- | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | -- | -- | -- | -- | -- | -- | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| o-Xylene | 10000 | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Xylenes (unspecified) | 10000 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 2 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-18S | MW-18S | MW-18S | MW-19D | MW-19D | MW-19D | MW-19D | MW-19D | MW-19D | MW-19D | MW-19D | MW-19D | MW-19D |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 10/22/2011 | 4/22/2012 | 10/18/2012 | 7/2/2002 | 4/22/2003 | 8/5/2003 | 11/6/2004 | 11/6/2004 | 5/20/2005 | 6/22/2006 | 10/7/2006 | 2/20/2007 | 5/19/2007 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | Duplicate | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **5.1** | **5.1** | **5.6** | **5.5** | **9.5** | **34** | **37** | **69** | **17** |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | ND < 5 | ND < 5 | ND < 5 | **52** | **47** | **48** | **160** | **150** | **110** | **450** | **450** | **440** | **430** |
| 1,1-Dichloroethene | 520 | **4** | ND < 2 | ND < 2 | **130** | **130** | **98** | **500** | **500** | **430** | **2300** | **2700** | **2300** | **2200** |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dioxane | 70 | **4.5** | ND < 2 | ND < 2 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2-Butanone (MEK) | 11800 | ND < 10 | ND < 10 | ND < 10 | -- | -- | -- | ND < 10 | ND < 10 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 |
| Acetone | 45600 | ND < 20 | ND < 20 | ND < 20 | ND < 120 | ND < 120 | ND < 120 | ND < 20 | ND < 20 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Methylcyclohexane | Not Regulated | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **7** |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5.2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | **5.6** | **5.1** | **5.4** | ND < 5 |
| Vinyl chloride | 3 | ND < 2 | ND < 2 | ND < 2 | -- | -- | -- | ND < 2 | ND < 2 | ND < 2 | **4.2** | **3.7** | ND < 2 | **3.2** |
| m&p-Xylene | 10000 | -- | -- | -- | -- | -- | -- | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| o-Xylene | 10000 | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Xylenes (unspecified) | 10000 | ND < 5 | ND < 5 | ND < 5 | ND < 12 | ND < 10 | ND < 10 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-19D | MW-19D | MW-19D | MW-19D | MW-19D | MW-19D | MW-19S | MW-19S | MW-19S | MW-19S | MW-19S | MW-19S | MW-19S |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 10/27/2007 | 6/8/2009 | 10/14/2009 | 10/18/2011 | 4/25/2012 | 10/18/2012 | 7/1/2002 | 4/22/2003 | 8/5/2003 | 11/7/2004 | 5/17/2005 | 6/22/2006 | 10/7/2006 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | **19.7** | **14.8** | **6** | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | **220** | **85.1** | **66.8** | **73** | **58** | **28** | **1.3** | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethene | 520 | **1200** | **368** | **343** | **370** | **270** | **200** | ND < 1 | **1.2** | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | ND < 5 | ND < 1 | ND < 1 | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dioxane | 70 | -- | ND < 150 | ND < 150 | **6.3** | **6** | **2.4** | -- | -- | -- | -- | -- | -- | -- |
| 2-Butanone (MEK) | 11800 | ND < 50 | ND < 5 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | -- | -- | -- | ND < 10 | ND < 50 | ND < 50 | ND < 50 |
| Acetone | 45600 | ND < 50 | ND < 25 | ND < 25 | ND < 20 | ND < 20 | ND < 20 | ND < 25 | ND < 25 | ND < 25 | ND < 20 | ND < 50 | ND < 50 | ND < 50 |
| Carbon disulfide | 4000 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 10 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| Chloroform | 80 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | ND < 5 | ND < 1 | ND < 1 | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Methylcyclohexane | Not Regulated | ND < 5 | -- | -- | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Methylene chloride | 450 | ND < 5 | ND < 2 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 1 | **4.4** | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | **1.1** | ND < 1 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | **3.5** | ND < 1 | ND < 1 | ND < 2 | ND < 2 | ND < 2 | -- | -- | -- | ND < 2 | ND < 2 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | ND < 10 | ND < 2 | ND < 2 | -- | -- | -- | -- | -- | -- | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| o-Xylene | 10000 | ND < 5 | ND < 1 | ND < 1 | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Xylenes (unspecified) | 10000 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 2 | -- | -- | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-19S | MW-19S | MW-19S | MW-19S | MW-19S | MW-19S | MW-20D | MW-20D | MW-20D | MW-20D | MW-20D | MW-20D | MW-20D |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 2/19/2007 | 5/17/2007 | 10/28/2007 | 10/18/2011 | 4/24/2012 | 10/18/2012 | 7/2/2002 | 4/22/2003 | 7/31/2003 | 11/7/2004 | 5/17/2005 | 6/21/2006 | 10/8/2006 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethene | 520 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 2 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dioxane | 70 | -- | -- | -- | ND < 2 | ND < 2 | ND < 2 | -- | -- | -- | -- | -- | -- | -- |
| 2-Butanone (MEK) | 11800 | ND < 50 | ND < 50 | ND < 50 | ND < 10 | ND < 10 | ND < 10 | -- | -- | -- | ND < 10 | ND < 50 | ND < 50 | ND < 50 |
| Acetone | 45600 | ND < 50 | ND < 50 | ND < 50 | ND < 20 | ND < 20 | ND < 20 | ND < 25 | ND < 25 | ND < 25 | ND < 20 | ND < 50 | ND < 50 | ND < 50 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 10 | ND < 10 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Methylcyclohexane | Not Regulated | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | -- | -- | -- | ND < 2 | ND < 2 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | ND < 10 | ND < 10 | ND < 10 | -- | -- | -- | -- | -- | -- | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| o-Xylene | 10000 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Xylenes (unspecified) | 10000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 2 | -- | -- | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-20D | MW-20D | MW-20D | MW-20D | MW-20D | MW-20D | MW-20D | MW-20D | MW-20D | MW-20D | MW-20D | MW-20S | MW-20S |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 2/20/2007 | 5/18/2007 | 10/28/2007 | 6/3/2009 | 10/19/2009 | 5/26/2010 | 11/3/2010 | 2/7/2011 | 10/23/2011 | 4/25/2012 | 10/21/2012 | 7/1/2002 | 4/22/2003 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| 1,1-Dichloroethane | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| 1,1-Dichloroethene | 520 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 1 | ND < 1 |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| 1,4-Dichlorobenzene | 75 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | -- | -- | -- | -- | -- | -- | -- |
| 1,4-Dioxane | 70 | -- | -- | -- | ND < 60 | ND < 150 | ND < 250 | ND < 250 | ND < 250 | ND < 2 | ND < 2 | ND < 2 | -- | -- |
| 2-Butanone (MEK) | 11800 | ND < 50 | ND < 50 | ND < 50 | ND < 5 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | -- | -- |
| Acetone | 45600 | ND < 50 | ND < 50 | ND < 50 | ND < 5 | ND < 25 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 25 | ND < 25 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| Chloroethane | 29200 | ND < 10 | ND < 10 | ND < 10 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| Freon-11 | 2000 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | -- | -- | -- | -- | -- | -- | -- |
| Methylcyclohexane | Not Regulated | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | -- | -- | -- | -- | -- | -- | -- |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| Trichloroethene | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| Vinyl chloride | 3 | ND < 2 | ND < 2 | ND < 2 | ND < 1 | ND < 1 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | -- | -- |
| m&p-Xylene | 10000 | ND < 10 | ND < 10 | ND < 10 | ND < 2 | ND < 2 | -- | -- | -- | -- | -- | -- | -- | -- |
| o-Xylene | 10000 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | -- | -- | -- | -- | -- | -- | -- | -- |
| Xylenes (unspecified) | 10000 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-20S | MW-20S | MW-20S | MW-20S | MW-20S | MW-20S | MW-20S | MW-21 | MW-21 | MW-21 | MW-21 | MW-21 | MW-22 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 7/31/2003 | 11/7/2004 | 5/17/2005 | 10/28/2007 | 10/22/2011 | 4/25/2012 | 10/18/2012 | 7/1/2002 | 4/17/2003 | 8/5/2003 | 11/7/2004 | 5/17/2005 | 5/7/2002 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 1 |
| 1,1,2-Trichloroethane | 5 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | -- |
| 1,1-Dichloroethane | 4000 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 1 |
| 1,1-Dichloroethene | 520 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 2 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 1 |
| 1,2-Dichloroethane | 5 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 1 |
| 1,4-Dichlorobenzene | 75 | -- | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | -- |
| 1,4-Dioxane | 70 | -- | -- | -- | -- | ND < 2 | ND < 2 | ND < 2 | -- | -- | -- | -- | -- | -- |
| 2-Butanone (MEK) | 11800 | -- | ND < 10 | ND < 50 | ND < 50 | ND < 10 | ND < 10 | ND < 10 | -- | -- | -- | ND < 10 | ND < 50 | -- |
| Acetone | 45600 | ND < 25 | ND < 20 | ND < 50 | ND < 50 | ND < 20 | ND < 20 | ND < 20 | ND < 25 | ND < 25 | ND < 25 | ND < 20 | ND < 50 | ND < 25 |
| Carbon disulfide | 4000 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 1 |
| Carbon tetrachloride | 10 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | -- |
| Chloroethane | 29200 | ND < 1 | ND < 10 | ND < 10 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 10 | ND < 10 | ND < 1 |
| Chloroform | 80 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | -- |
| cis-1,2-Dichloroethene | 200 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | -- |
| Ethyl benzene | 700 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 1 |
| Freon-11 | 2000 | -- | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | -- |
| Methylcyclohexane | Not Regulated | -- | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | -- |
| Methylene chloride | 450 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | -- |
| Styrene | 2600 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | -- |
| Tetrachloroethene | 98 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | -- |
| Toluene | 5200 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 1 |
| trans-1,2-Dichloroethene | 160 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | -- |
| Trichloroethene | 5 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | -- |
| Vinyl chloride | 3 | -- | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | -- | -- | -- | ND < 2 | ND < 2 | -- |
| m&p-Xylene | 10000 | -- | ND < 10 | ND < 10 | ND < 10 | -- | -- | -- | -- | -- | -- | ND < 10 | ND < 10 | -- |
| o-Xylene | 10000 | -- | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | -- |
| Xylenes (unspecified) | 10000 | ND < 2 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 2 | -- | -- | ND < 2 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-22 | MW-22 | MW-22 | MW-22 | MW-22 | MW-22 | MW-22 | MW-22 | MW-22 | MW-23 | MW-23 | MW-23 | MW-23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 4/18/2003 | 8/4/2003 | 11/3/2004 | 5/17/2005 | 6/18/2006 | 10/4/2006 | 2/17/2007 | 5/15/2007 | 10/24/2007 | 5/13/2003 | 8/4/2003 | 11/4/2004 | 5/20/2005 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **1.9** | ND < 1 | ND < 5 | ND < 5 |
| 1,1,2-Trichloroethane | 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **65** | **8.8** | **120** | **45** |
| 1,1-Dichloroethene | 520 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **290** | **33** | **780** | **210** |
| 1,2-Dichloroethane | 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 |
| 1,4-Dioxane | 70 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2-Butanone (MEK) | 11800 | -- | -- | ND < 10 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | -- | -- | ND < 10 | ND < 50 |
| Acetone | 45600 | ND < 25 | ND < 25 | ND < 20 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 25 | ND < 25 | ND < 20 | ND < 50 |
| Carbon disulfide | 4000 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **1.1** | ND < 1 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 1 | ND < 1 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | **5.3** | ND < 1 | ND < 10 | ND < 10 |
| Chloroform | 80 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 |
| Methylcyclohexane | Not Regulated | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 |
| Methylene chloride | 450 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 |
| Styrene | 2600 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 |
| Trichloroethene | 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | -- | -- | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | -- | -- | **16** | **8.9** |
| m&p-Xylene | 10000 | -- | -- | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | -- | -- | ND < 10 | ND < 10 |
| o-Xylene | 10000 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 |
| Xylenes (unspecified) | 10000 | ND < 2 | ND < 2 | ND < 5 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | -- | -- |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-23 | MW-23 | MW-23 | MW-23 | MW-23 | MW-23 | MW-23 | MW-23 | MW-23 | MW-23 | MW-23 | MW-23 | MW-23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 6/23/2006 | 10/7/2006 | 2/21/2007 | 5/17/2007 | 10/25/2007 | 6/10/2009 | 10/16/2009 | 5/26/2010 | 11/4/2010 | 10/25/2011 | 4/18/2012 | 10/18/2012 | 2/8/2011 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | **9.1** | **29** | ND < 5 | ND < 5 | **55** | ND < 1 | **2.5** | ND < 5 | **8** | **6** | ND < 5 | **25** | ND < 5 |
| 1,1-Dichloroethene | 520 | **61** | **170** | ND < 5 | **43** | **290** | **1.7** | **11.8** | ND < 5 | **37** | **11** | ND < 2 | **13** | ND < 2 |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | -- | -- | -- | -- | -- |
| 1,4-Dioxane | 70 | -- | -- | -- | -- | -- | ND < 150 | ND < 150 | ND < 250 | ND < 250 | **28** | ND < 2 | **24** | ND < 250 |
| 2-Butanone (MEK) | 11800 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 5 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| Acetone | 45600 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 25 | ND < 25 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | **11** | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | -- | -- | -- | -- | -- |
| Methylcyclohexane | Not Regulated | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | -- | -- | -- | -- | -- |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | **9** | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | **7.7** | **6.9** | ND < 2 | **5.3** | **23** | ND < 1 | **9.5** | ND < 2 | **13** | **12** | ND < 2 | **22** | ND < 2 |
| m&p-Xylene | 10000 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 2 | ND < 2 | -- | -- | -- | -- | -- | -- |
| o-Xylene | 10000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | -- | -- | -- | -- | -- | -- |
| Xylenes (unspecified) | 10000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-24 | MW-24 | MW-24 | MW-24 | MW-25D | MW-25D | MW-25D | MW-25D | MW-25D | MW-25D | MW-25D | MW-25D | MW-25D |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 5/13/2003 | 8/5/2003 | 11/5/2004 | 5/18/2005 | 11/7/2004 | 5/18/2005 | 6/24/2006 | 10/7/2006 | 2/20/2007 | 5/17/2007 | 10/26/2007 | 10/26/2011 | 4/24/2012 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1,2-Trichloroethane | 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethene | 520 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 |
| 1,2-Dichloroethane | 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| 1,4-Dioxane | 70 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | ND < 2 | ND < 2 |
| 2-Butanone (MEK) | 11800 | -- | -- | ND < 10 | ND < 50 | ND < 10 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 10 | ND < 10 |
| Acetone | 45600 | ND < 25 | ND < 25 | ND < 20 | ND < 50 | ND < 20 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 20 | ND < 20 |
| Carbon disulfide | 4000 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 1 | ND < 1 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 5 | ND < 5 |
| Chloroform | 80 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| Methylcyclohexane | Not Regulated | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| Methylene chloride | 450 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | -- | -- | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | -- | -- | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | -- | -- |
| o-Xylene | 10000 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| Xylenes (unspecified) | 10000 | ND < 2 | ND < 2 | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-25D | MW-25DRX | MW-25DRX | MW-25DRX | MW-25DRX | MW-25DRX | MW-25DRX | MW-25DRX | MW-25DRX | MW-25DRX | MW-25DRX | MW-25DRX | MW-25DRX | MW-25DRX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 10/23/2012 | 5/14/2003 | 8/1/2003 | 11/6/2004 | 5/17/2005 | 6/24/2006 | 10/7/2006 | 2/20/2007 | 5/17/2007 | 10/26/2007 | 10/22/2011 | 4/24/2012 | 10/23/2012 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethene | 520 | ND < 2 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 2 |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- |
| 1,4-Dioxane | 70 | ND < 2 | -- | -- | -- | -- | -- | -- | -- | -- | -- | ND < 20 | ND < 2 | ND < 2 |
| 2-Butanone (MEK) | 11800 | ND < 10 | -- | -- | ND < 10 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 10 | ND < 10 | ND < 10 |
| Acetone | 45600 | ND < 20 | ND < 25 | ND < 25 | ND < 20 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 20 | ND < 20 | ND < 20 |
| Carbon disulfide | 4000 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 5 | ND < 1 | ND < 1 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 5 | ND < 5 | ND < 5 |
| Chloroform | 80 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- |
| Methylcyclohexane | Not Regulated | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- |
| Methylene chloride | 450 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | ND < 2 | -- | -- | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | -- | -- | -- | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | -- | -- | -- |
| o-Xylene | 10000 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- |
| Xylenes (unspecified) | 10000 | ND < 5 | ND < 2 | ND < 2 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-26D | MW-26D | MW-26D | MW-26D | MW-26D | MW-26D | MW-26D | MW-26D | MW-26D | MW-26D | MW-26D | MW-26D | MW-26S |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 5/14/2003 | 7/31/2003 | 11/7/2004 | 5/18/2005 | 6/23/2006 | 10/8/2006 | 2/20/2007 | 5/18/2007 | 10/27/2007 | 10/20/2011 | 4/24/2012 | 10/22/2012 | 5/14/2003 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **23** | ND < 5 | **11** |
| 1,1,2-Trichloroethane | 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- |
| 1,1-Dichloroethane | 4000 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **4.3** |
| 1,1-Dichloroethene | 520 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | **57** | **10** | **10** |
| 1,2-Dichloroethane | 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 |
| 1,4-Dichlorobenzene | 75 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | -- |
| 1,4-Dioxane | 70 | -- | -- | -- | -- | -- | -- | -- | -- | -- | ND < 2 | ND < 2 | ND < 2 | -- |
| 2-Butanone (MEK) | 11800 | -- | -- | ND < 10 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 10 | ND < 10 | ND < 10 | -- |
| Acetone | 45600 | ND < 25 | ND < 25 | ND < 20 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 20 | ND < 20 | ND < 20 | ND < 25 |
| Carbon disulfide | 4000 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 |
| Carbon tetrachloride | 10 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- |
| Chloroethane | 29200 | ND < 1 | ND < 1 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 1 |
| Chloroform | 80 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- |
| cis-1,2-Dichloroethene | 200 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- |
| Ethyl benzene | 700 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 |
| Freon-11 | 2000 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | -- |
| Methylcyclohexane | Not Regulated | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | -- |
| Methylene chloride | 450 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- |
| Styrene | 2600 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- |
| Tetrachloroethene | 98 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- |
| Toluene | 5200 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 |
| trans-1,2-Dichloroethene | 160 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- |
| Trichloroethene | 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- |
| Vinyl chloride | 3 | -- | -- | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | -- |
| m&p-Xylene | 10000 | -- | -- | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | -- | -- | -- | -- |
| o-Xylene | 10000 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | -- |
| Xylenes (unspecified) | 10000 | ND < 2 | ND < 2 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-26S | MW-26S | MW-26S | MW-26S | MW-26S | MW-26S | MW-26S | MW-26S | MW-26S | MW-26S | MW-26S | MW-26S | MW-26S |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 8/5/2003 | 11/6/2004 | 5/17/2005 | 6/22/2006 | 10/8/2006 | 2/21/2007 | 5/18/2007 | 10/27/2007 | 6/7/2009 | 10/16/2009 | 10/20/2011 | 4/24/2012 | 10/22/2012 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | **2.6** | ND < 5 | ND < 5 | **16** | **48** | ND < 5 | **25** | **150** | **4.7** | ND < 1 | **45** | ND < 5 | **35** |
| 1,1,2-Trichloroethane | 5 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | **1.9** | ND < 5 | ND < 5 | **8.4** | **10** | ND < 5 | **10** | **13** | **2.3** | **1.5** | **7** | ND < 5 | **6** |
| 1,1-Dichloroethene | 520 | **2.4** | ND < 5 | **10** | **27** | **85** | ND < 5 | **53** | **250** | **15.3** | **8.2** | **160** | **7** | **130** |
| 1,2-Dichloroethane | 5 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | -- | -- | -- |
| 1,4-Dioxane | 70 | -- | -- | -- | -- | -- | -- | -- | -- | ND < 150 | ND < 150 | **2.6** | ND < 2 | ND < 2 |
| 2-Butanone (MEK) | 11800 | -- | ND < 10 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 5 | ND < 5 | ND < 10 | ND < 10 | ND < 10 |
| Acetone | 45600 | ND < 25 | ND < 20 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 25 | ND < 25 | ND < 20 | ND < 20 | ND < 20 |
| Carbon disulfide | 4000 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 1 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Chloroform | 80 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | -- | -- | -- |
| Methylcyclohexane | Not Regulated | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | -- | -- |
| Methylene chloride | 450 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | -- | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 1 | ND < 1 | ND < 2 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | -- | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 2 | ND < 2 | -- | -- | -- |
| o-Xylene | 10000 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | -- | -- | -- |
| Xylenes (unspecified) | 10000 | ND < 2 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-27D | MW-27D | MW-27D | MW-27D | MW-27D | MW-27D | MW-27D | MW-27D | MW-27D | MW-27D | MW-27D | MW-27D | MW-27D |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 5/13/2003 | 8/5/2003 | 11/6/2004 | 5/17/2005 | 6/22/2006 | 10/8/2006 | 2/20/2007 | 5/18/2007 | 10/26/2007 | 6/4/2009 | 10/19/2009 | 10/20/2011 | 4/23/2012 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| 1,1,2-Trichloroethane | 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **49** | ND < 1 | **11.5** | **7** | ND < 5 |
| 1,1-Dichloroethene | 520 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **13** | **7.7** | **310** | **4.8** | **58.6** | **50** | **15** |
| 1,2-Dichloroethane | 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | -- | -- |
| 1,4-Dioxane | 70 | -- | -- | -- | -- | -- | -- | -- | -- | -- | ND < 60 | ND < 150 | ND < 2 | ND < 2 |
| 2-Butanone (MEK) | 11800 | -- | -- | ND < 10 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 5 | ND < 5 | ND < 10 | ND < 10 |
| Acetone | 45600 | ND < 25 | ND < 25 | ND < 20 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 5 | ND < 25 | ND < 20 | ND < 20 |
| Carbon disulfide | 4000 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 1 | ND < 1 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| Chloroform | 80 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | -- | -- |
| Methylcyclohexane | Not Regulated | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | -- |
| Methylene chloride | 450 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 2 | ND < 5 | ND < 5 |
| Styrene | 2600 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | -- | -- | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 1 | ND < 1 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | -- | -- | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 2 | ND < 2 | -- | -- |
| o-Xylene | 10000 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | -- | -- |
| Xylenes (unspecified) | 10000 | ND < 2 | ND < 2 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | -- | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-27D | MW-27S | MW-27S | MW-27S | MW-27S | MW-27S | MW-27S | MW-27S | MW-27S | MW-27S | MW-27S | MW-27S | MW-27S |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 10/19/2012 | 5/13/2003 | 8/5/2003 | 11/6/2004 | 5/21/2005 | 6/22/2006 | 10/8/2006 | 2/20/2007 | 5/18/2007 | 10/26/2007 | 6/4/2009 | 10/19/2009 | 10/20/2011 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | **2.6** | **1.7** | ND < 5 | ND < 5 | **8** | **16** | **18** | **22** | ND < 5 | **2.6** | **9.2** | ND < 5 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 |
| 1,1-Dichloroethane | 4000 | **11** | **6.6** | **3.9** | **8.8** | ND < 5 | **32** | **64** | **74** | **91** | ND < 5 | **10** | **16.2** | **5** |
| 1,1-Dichloroethene | 520 | **91** | **2.6** | **1.4** | **11** | ND < 5 | **180** | **350** | **370** | **490** | **12** | **59** | **119** | **39** |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | -- |
| 1,4-Dioxane | 70 | ND < 2 | -- | -- | -- | -- | -- | -- | -- | -- | -- | ND < 60 | ND < 150 | ND < 2 |
| 2-Butanone (MEK) | 11800 | ND < 10 | -- | -- | ND < 10 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | **210** | ND < 5 | ND < 5 | ND < 10 |
| Acetone | 45600 | ND < 20 | ND < 25 | ND < 25 | ND < 20 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | **260** | ND < 5 | ND < 25 | ND < 20 |
| Carbon disulfide | 4000 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 |
| Chloroethane | 29200 | ND < 5 | ND < 1 | ND < 1 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 1 | ND < 1 | ND < 5 |
| Chloroform | 80 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | **1.5** | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 |
| Freon-11 | 2000 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | -- |
| Methylcyclohexane | Not Regulated | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- |
| Methylene chloride | 450 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 2 | ND < 5 |
| Styrene | 2600 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | **1.1** | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 |
| Vinyl chloride | 3 | ND < 2 | -- | -- | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 1 | ND < 1 | ND < 2 |
| m&p-Xylene | 10000 | -- | -- | -- | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 2 | ND < 2 | -- |
| o-Xylene | 10000 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | -- |
| Xylenes (unspecified) | 10000 | ND < 5 | **7.9** | ND < 2 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | -- | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-27S | MW-27S | MW-28 | MW-28 | MW-28 | MW-28 | MW-28 | MW-28 | MW-28 | MW-28 | MW-28 | MW-28 | MW-28 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 4/23/2012 | 10/19/2012 | 6/17/2003 | 7/31/2003 | 11/6/2004 | 5/17/2005 | 6/21/2006 | 10/6/2006 | 2/19/2007 | 5/16/2007 | 10/27/2007 | 10/23/2011 | 4/24/2012 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | **12** | **20** | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethene | 520 | **65** | **130** | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| 1,4-Dioxane | 70 | **2** | ND < 2 | -- | -- | -- | -- | -- | -- | -- | -- | -- | ND < 2 | ND < 2 |
| 2-Butanone (MEK) | 11800 | ND < 10 | ND < 10 | -- | -- | ND < 10 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 10 | ND < 10 |
| Acetone | 45600 | ND < 20 | ND < 20 | ND < 25 | ND < 25 | ND < 20 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 20 | ND < 20 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 5 | ND < 5 |
| Chloroform | 80 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| Methylcyclohexane | Not Regulated | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| Methylene chloride | 450 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | ND < 2 | ND < 2 | -- | -- | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | -- | -- | -- | -- | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | -- | -- |
| o-Xylene | 10000 | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| Xylenes (unspecified) | 10000 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-28 | MW-29 | MW-29 | MW-29 | MW-29 | MW-29 | MW-29 | MW-30 | MW-30 | MW-30 | MW-30 | MW-31 | MW-31 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 10/21/2012 | 6/17/2003 | 8/1/2003 | 11/6/2004 | 5/18/2005 | 4/25/2012 | 10/22/2012 | 6/18/2003 | 8/4/2003 | 11/3/2004 | 5/16/2005 | 6/18/2003 | 8/4/2003 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | **1.1** | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | -- | -- |
| 1,1-Dichloroethane | 4000 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| 1,1-Dichloroethene | 520 | ND < 2 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| 1,4-Dichlorobenzene | 75 | -- | -- | -- | ND < 5 | ND < 5 | -- | -- | -- | -- | ND < 5 | ND < 5 | -- | -- |
| 1,4-Dioxane | 70 | ND < 2 | -- | -- | -- | -- | ND < 2 | ND < 2 | -- | -- | -- | -- | -- | -- |
| 2-Butanone (MEK) | 11800 | ND < 10 | -- | -- | ND < 10 | ND < 50 | ND < 10 | ND < 10 | -- | -- | ND < 10 | ND < 50 | -- | -- |
| Acetone | 45600 | ND < 20 | ND < 25 | ND < 25 | ND < 20 | ND < 50 | ND < 20 | ND < 20 | ND < 25 | ND < 25 | ND < 20 | ND < 50 | ND < 25 | ND < 25 |
| Carbon disulfide | 4000 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| Carbon tetrachloride | 10 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | -- | -- |
| Chloroethane | 29200 | ND < 5 | ND < 1 | ND < 1 | ND < 10 | ND < 10 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 10 | ND < 10 | ND < 1 | ND < 1 |
| Chloroform | 80 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | -- | -- |
| cis-1,2-Dichloroethene | 200 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | -- | -- |
| Ethyl benzene | 700 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| Freon-11 | 2000 | -- | -- | -- | ND < 5 | ND < 5 | -- | -- | -- | -- | ND < 5 | ND < 5 | -- | -- |
| Methylcyclohexane | Not Regulated | -- | -- | -- | ND < 5 | ND < 5 | -- | -- | -- | -- | ND < 5 | ND < 5 | -- | -- |
| Methylene chloride | 450 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | -- | -- |
| Styrene | 2600 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | -- | -- |
| Tetrachloroethene | 98 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | -- | -- |
| Toluene | 5200 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | -- | -- |
| Trichloroethene | 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | -- | -- |
| Vinyl chloride | 3 | ND < 2 | -- | -- | ND < 2 | ND < 2 | ND < 2 | ND < 2 | -- | -- | ND < 2 | ND < 2 | -- | -- |
| m&p-Xylene | 10000 | -- | -- | -- | ND < 10 | ND < 10 | -- | -- | -- | -- | ND < 10 | ND < 10 | -- | -- |
| o-Xylene | 10000 | -- | -- | -- | ND < 5 | ND < 5 | -- | -- | -- | -- | ND < 5 | ND < 5 | -- | -- |
| Xylenes (unspecified) | 10000 | ND < 5 | ND < 2 | ND < 2 | -- | -- | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 5 | -- | ND < 2 | ND < 2 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-31 | MW-31 | MW-32 | MW-32 | MW-32 | MW-32 | MW-32 | MW-32 | MW-32 | MW-32 | MW-33 | MW-33 | MW-33 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 11/3/2004 | 5/19/2005 | 5/17/2005 | 6/20/2006 | 10/4/2006 | 2/17/2007 | 5/16/2007 | 10/27/2011 | 4/19/2012 | 10/22/2012 | 5/19/2005 | 10/24/2011 | 4/20/2012 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | ND < 5 | **15** | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethene | 520 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 2 | ND < 5 | ND < 2 | ND < 2 |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | -- | -- |
| 1,4-Dioxane | 70 | -- | -- | -- | -- | -- | -- | -- | ND < 2 | ND < 2 | ND < 2 | -- | ND < 2 | ND < 2 |
| 2-Butanone (MEK) | 11800 | ND < 10 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 10 | ND < 10 | ND < 10 | ND < 50 | ND < 10 | ND < 10 |
| Acetone | 45600 | ND < 20 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 20 | ND < 20 | ND < 20 | ND < 50 | ND < 20 | ND < 20 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 5 | ND < 5 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | -- | -- |
| Methylcyclohexane | Not Regulated | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | -- | -- |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | -- | -- | -- | ND < 10 | -- | -- |
| o-Xylene | 10000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | -- | -- |
| Xylenes (unspecified) | 10000 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-33 | MW-34 | MW-35 | MW-35 | MW-35 | MW-35 | MW-35 | MW-35 | MW-35 | MW-35 | MW-36D | MW-36D | MW-36D |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 10/22/2012 | 5/19/2005 | 5/20/2005 | 6/20/2006 | 10/6/2006 | 2/17/2007 | 5/16/2007 | 10/24/2011 | 4/20/2012 | 10/22/2012 | 5/21/2005 | 5/21/2005 | 6/24/2006 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | Duplicate | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **7800** | **8200** | **3900** |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **460** | **450** | **500** |
| 1,1-Dichloroethene | 520 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 2 | **7800** | **8100** | **3900** |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **17** | **18** | ND < 5 |
| 1,4-Dichlorobenzene | 75 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dioxane | 70 | ND < 2 | -- | -- | -- | -- | -- | -- | ND < 2 | ND < 2 | ND < 2 | -- | -- | -- |
| 2-Butanone (MEK) | 11800 | ND < 10 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 10 | ND < 10 | ND < 10 | ND < 50 | ND < 50 | ND < 50 |
| Acetone | 45600 | ND < 20 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 20 | ND < 20 | ND < 20 | ND < 50 | ND < 50 | ND < 50 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 10 | ND < 10 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | **14** | **13** | **7.1** |
| Methylcyclohexane | Not Regulated | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | **5.7** | **5.5** | ND < 5 |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **18** | **18** | **12** |
| Vinyl chloride | 3 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | -- | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | -- | -- | -- | **26** | **26** | ND < 10 |
| o-Xylene | 10000 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 |
| Xylenes (unspecified) | 10000 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-36D | MW-36D | MW-36D | MW-36D | MW-36D | MW-36D | MW-36D | MW-36D | MW-36D | MW-36D | MW-36S | MW-36S | MW-36S |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 10/8/2006 | 2/21/2007 | 5/19/2007 | 10/30/2007 | 6/3/2009 | 10/15/2009 | 2/7/2011 | 10/21/2011 | 4/20/2012 | 10/21/2012 | 5/21/2005 | 6/24/2006 | 10/8/2006 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | **2400** | **2200** | **3100** | **2400** | **820** | **893** | **100** | **18** | **15** | **6** | **12** | ND < 5 | ND < 5 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | **360** | **460** | **690** | **660** | **560** | **951** | **580** | **260** | **250** | **230** | **130** | **87** | **110** |
| 1,1-Dichloroethene | 520 | **3400** | **2500** | **4300** | **3200** | **1200** | **1540** | **460** | **230** | **180** | **160** | **140** | **53** | **84** |
| 1,2-Dichloroethane | 5 | **6.8** | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 5 | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dioxane | 70 | -- | -- | -- | -- | ND < 600 | ND < 750 | ND < 250 | **16** | **16** | **3.6** | -- | -- | -- |
| 2-Butanone (MEK) | 11800 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 25 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 50 | ND < 50 | ND < 50 |
| Acetone | 45600 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 125 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 50 | ND < 50 | ND < 50 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 50 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 10 | **12** | **21** | **17** | **31** | **44.7** | **67** | **21** | **22** | **20** | **110** | **86** | **95** |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | **5.7** | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 5 | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 |
| Methylcyclohexane | Not Regulated | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | **21.4** | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | **7.1** | **7.5** | **8.4** | **5.5** | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 10 | ND < 5 | **4** | ND < 2 | ND < 2 | ND < 2 | **25** | **16** | **22** |
| m&p-Xylene | 10000 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 20 | ND < 10 | -- | -- | -- | -- | ND < 10 | ND < 10 | ND < 10 |
| o-Xylene | 10000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 5 | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 |
| Xylenes (unspecified) | 10000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-36S | MW-36S | MW-36S | MW-36S | MW-36S | MW-36S | MW-36S | MW-36S | MW-36S | MW-37 | MW-37 | MW-37 | MW-37 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 2/20/2007 | 5/19/2007 | 5/19/2007 | 10/30/2007 | 6/3/2009 | 10/15/2009 | 10/25/2011 | 4/20/2012 | 10/21/2012 | 5/21/2005 | 6/23/2006 | 10/9/2006 | 2/21/2007 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | Duplicate | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | **1000** | **2100** | **1600** | **1100** |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | **65** | **93** | **75** | **98** | **16** | **16.7** | ND < 5 | ND < 5 | **6** | **80** | **73** | **100** | **110** |
| 1,1-Dichloroethene | 520 | **73** | **78** | **66** | **110** | **6.4** | **7.4** | ND < 2 | ND < 2 | ND < 2 | **1100** | **2200** | **2800** | **1400** |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dioxane | 70 | -- | -- | -- | -- | ND < 60 | ND < 150 | **25** | **24** | **19** | -- | -- | -- | -- |
| 2-Butanone (MEK) | 11800 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 5 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | ND < 50 | ND < 50 | ND < 50 | ND < 50 |
| Acetone | 45600 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 5 | ND < 25 | ND < 20 | ND < 20 | ND < 20 | ND < 50 | ND < 50 | ND < 50 | ND < 50 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **7.6** | ND < 5 |
| Chloroethane | 29200 | **81** | **75** | **69** | **67** | **17** | **14.9** | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | -- | -- | -- | ND < 5 | **7.2** | **7.9** | ND < 5 |
| Methylcyclohexane | Not Regulated | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **6.6** | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | **19** | **7.4** | **14** | **14** | **1** | ND < 1 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 2 | ND < 2 | -- | -- | -- | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| o-Xylene | 10000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Xylenes (unspecified) | 10000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | -- | ND < 5 | ND < 5 | ND < 5 | -- | ND < 5 | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-37 | MW-37 | MW-37 | MW-37 | MW-37 | MW-37 | MW-37 | MW-38 | MW-38 | MW-38 | MW-38 | MW-38 | MW-38 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 5/19/2007 | 6/4/2009 | 10/14/2009 | 2/7/2011 | 10/18/2011 | 4/22/2012 | 10/20/2012 | 5/21/2005 | 6/18/2006 | 10/4/2006 | 2/17/2007 | 5/16/2007 | 10/24/2007 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | **1600** | **400** | **291** | **180** | **130** | **100** | **51** | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 10 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | **110** | **92** | **61.9** | **73** | **46** | **54** | **44** | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethene | 520 | **2800** | **780** | **586** | **430** | **320** | **240** | **150** | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 10 | **1.2** | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | ND < 5 | ND < 10 | ND < 1 | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dioxane | 70 | -- | ND < 600 | ND < 150 | ND < 250 | **3.9** | **4.5** | **2** | -- | -- | -- | -- | -- | -- |
| 2-Butanone (MEK) | 11800 | ND < 50 | ND < 50 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 |
| Acetone | 45600 | ND < 50 | ND < 50 | ND < 25 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 |
| Carbon disulfide | 4000 | ND < 5 | ND < 50 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 10 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 10 | ND < 10 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| Chloroform | 80 | ND < 5 | ND < 10 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 10 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 10 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | ND < 5 | ND < 10 | **1.1** | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Methylcyclohexane | Not Regulated | ND < 5 | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Methylene chloride | 450 | ND < 5 | ND < 10 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 10 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 10 | **4.4** | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 10 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 10 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | **5.7** | ND < 10 | **1.4** | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | ND < 2 | ND < 10 | ND < 1 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | ND < 10 | ND < 20 | ND < 2 | -- | -- | -- | -- | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| o-Xylene | 10000 | ND < 5 | ND < 10 | ND < 1 | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Xylenes (unspecified) | 10000 | ND < 5 | ND < 10 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-38 | MW-38 | MW-38 | MW-39D | MW-39D | MW-39D | MW-39D | MW-39D | MW-39D | MW-39S | MW-39S | MW-39S | MW-39S |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 10/25/2011 | 4/20/2012 | 10/21/2012 | 5/20/2005 | 6/18/2006 | 10/4/2006 | 2/17/2007 | 5/15/2007 | 10/24/2007 | 5/20/2005 | 6/17/2006 | 10/4/2006 | 2/17/2007 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethene | 520 | ND < 2 | ND < 2 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dioxane | 70 | ND < 2 | ND < 2 | ND < 2 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2-Butanone (MEK) | 11800 | ND < 10 | ND < 10 | ND < 10 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 |
| Acetone | 45600 | ND < 20 | ND < 20 | ND < 20 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Methylcyclohexane | Not Regulated | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | -- | -- | -- | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| o-Xylene | 10000 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Xylenes (unspecified) | 10000 | ND < 5 | ND < 5 | ND < 5 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | ND < 5 | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-39S | MW-39S | MW-39S | MW-39S | MW-40D | MW-41 | MW-42 | MW-42 | MW-42 | MW-42 | MW-42 | MW-42 | MW-42 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 5/15/2007 | 10/24/2007 | 6/6/2009 | 10/16/2009 | 5/21/2005 | 5/19/2005 | 5/21/2005 | 6/22/2006 | 10/6/2006 | 2/19/2007 | 5/17/2007 | 10/27/2007 | 6/3/2009 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | **220** | **230** | **440** | **18** | **450** | **590** | **170** |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | **93** | **120** | **160** | **14** | **140** | **140** | **56** |
| 1,1-Dichloroethene | 520 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | **230** | **380** | **680** | **32** | **800** | **970** | **320** |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dioxane | 70 | -- | -- | ND < 150 | ND < 150 | -- | -- | -- | -- | -- | -- | -- | -- | ND < 300 |
| 2-Butanone (MEK) | 11800 | ND < 50 | ND < 50 | ND < 5 | ND < 5 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 25 |
| Acetone | 45600 | ND < 50 | ND < 50 | ND < 25 | ND < 25 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 25 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 25 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 10 | ND < 10 | ND < 1 | ND < 1 | ND < 10 | ND < 10 | **14** | **19** | **17** | ND < 10 | **14** | **16** | ND < 5 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Methylcyclohexane | Not Regulated | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | **2.4** | **6.3** | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **5.5** | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | ND < 5 | ND < 1 | **1.1** | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | ND < 2 | ND < 2 | ND < 1 | ND < 1 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 5 |
| m&p-Xylene | 10000 | ND < 10 | ND < 10 | ND < 2 | ND < 2 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| o-Xylene | 10000 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Xylenes (unspecified) | 10000 | ND < 5 | ND < 5 | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-42 | MW-42 | MW-42 | MW-42 | MW-43D | MW-43D | MW-43S | MW-43S | MW-44D | MW-44D | MW-44S | MW-44S | MW-45D |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 2/6/2011 | 10/18/2011 | 4/23/2012 | 10/21/2012 | 9/13/2007 | 10/25/2007 | 9/13/2007 | 10/25/2007 | 9/13/2007 | 10/28/2007 | 9/13/2007 | 10/25/2007 | 10/29/2007 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | **330** | **73** | **230** | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | ND < 5 | **89** | **31** | **64** | **12** | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethene | 520 | **3** | **1000** | **180** | **560** | **6.4** | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dioxane | 70 | ND < 250 | **26** | **5.4** | **10** | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2-Butanone (MEK) | 11800 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 |
| Acetone | 45600 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Methylcyclohexane | Not Regulated | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | -- | -- | -- | -- | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| o-Xylene | 10000 | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Xylenes (unspecified) | 10000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-45D | MW-45D | MW-45D | MW-45S | MW-45S | MW-45S | MW-45S | MW-46D | MW-46D | MW-46D | MW-46D | MW-46D | MW-46D |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 10/24/2011 | 4/20/2012 | 10/20/2012 | 10/27/2007 | 10/24/2011 | 4/20/2012 | 10/19/2012 | 10/26/2007 | 6/7/2009 | 10/17/2009 | 10/25/2011 | 4/23/2012 | 10/21/2012 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethene | 520 | ND < 2 | ND < 2 | ND < 2 | ND < 5 | ND < 2 | ND < 2 | ND < 2 | ND < 5 | ND < 1 | ND < 1 | ND < 2 | ND < 2 | **4** |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | -- | -- | -- | ND < 5 | -- | -- | -- | ND < 5 | ND < 1 | ND < 1 | -- | -- | -- |
| 1,4-Dioxane | 70 | ND < 2 | ND < 2 | ND < 2 | -- | **8.3** | **8.2** | **7** | -- | ND < 150 | ND < 150 | ND < 2 | ND < 2 | ND < 2 |
| 2-Butanone (MEK) | 11800 | ND < 10 | ND < 10 | ND < 10 | ND < 50 | ND < 10 | ND < 10 | ND < 10 | ND < 50 | ND < 5 | ND < 5 | ND < 10 | ND < 10 | ND < 10 |
| Acetone | 45600 | ND < 20 | ND < 20 | ND < 20 | ND < 50 | ND < 20 | ND < 20 | ND < 20 | ND < 50 | ND < 25 | ND < 25 | ND < 20 | ND < 20 | ND < 20 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | -- | -- | -- | ND < 5 | -- | -- | -- | ND < 5 | ND < 1 | ND < 1 | -- | -- | -- |
| Methylcyclohexane | Not Regulated | -- | -- | -- | ND < 5 | -- | -- | -- | ND < 5 | -- | -- | -- | -- | -- |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 1 | ND < 1 | ND < 2 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | -- | -- | -- | ND < 10 | -- | -- | -- | ND < 10 | ND < 2 | ND < 2 | -- | -- | -- |
| o-Xylene | 10000 | -- | -- | -- | ND < 5 | -- | -- | -- | ND < 5 | ND < 1 | ND < 1 | -- | -- | -- |
| Xylenes (unspecified) | 10000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-46I | MW-46I | MW-46I | MW-46I | MW-47D | MW-47D | MW-47D | MW-47D | MW-47D | MW-47D | MW-47D | MW-47D | MW-47D |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 10/26/2007 | 10/25/2011 | 4/23/2012 | 10/18/2012 | 10/26/2007 | 6/6/2009 | 10/13/2009 | 5/26/2010 | 11/3/2010 | 2/5/2011 | 10/25/2011 | 4/19/2012 | 10/19/2012 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | ND < 5 | **13** | **6** | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethene | 520 | ND < 5 | **4** | ND < 2 | ND < 2 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | ND < 5 | -- | -- | -- | ND < 5 | ND < 1 | ND < 1 | ND < 5 | -- | -- | -- | -- | -- |
| 1,4-Dioxane | 70 | -- | **3** | **3.4** | **2.1** | -- | ND < 150 | ND < 150 | ND < 250 | ND < 250 | ND < 250 | ND < 2 | ND < 2 | ND < 2 |
| 2-Butanone (MEK) | 11800 | ND < 50 | ND < 10 | ND < 10 | ND < 10 | ND < 50 | ND < 5 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| Acetone | 45600 | ND < 50 | ND < 20 | ND < 20 | ND < 20 | ND < 50 | ND < 25 | ND < 25 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 10 | **13** | **7** | ND < 5 | ND < 10 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | ND < 5 | -- | -- | -- | ND < 5 | ND < 1 | ND < 1 | ND < 5 | -- | -- | -- | -- | -- |
| Methylcyclohexane | Not Regulated | ND < 5 | -- | -- | -- | ND < 5 | -- | -- | ND < 5 | -- | -- | -- | -- | -- |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 1 | ND < 1 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | ND < 10 | -- | -- | -- | ND < 10 | ND < 2 | ND < 2 | -- | -- | -- | -- | -- | -- |
| o-Xylene | 10000 | ND < 5 | -- | -- | -- | ND < 5 | ND < 1 | ND < 1 | -- | -- | -- | -- | -- | -- |
| Xylenes (unspecified) | 10000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-47S | MW-47S | MW-47S | MW-47S | MW-47S | MW-47S | MW-47S | MW-47S | MW-47S | MW-48D | MW-48D | MW-48D | MW-48D |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 10/25/2007 | 6/6/2009 | 10/13/2009 | 5/26/2010 | 11/3/2010 | 2/8/2011 | 10/24/2011 | 4/19/2012 | 10/19/2012 | 10/26/2007 | 6/2/2009 | 5/26/2010 | 11/4/2010 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **690** | **450** | **280** | **380** |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 20 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | ND < 5 | **7.9** | **5.2** | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **7** | **12** | **160** | **110** | **95** | **110** |
| 1,1-Dichloroethene | 520 | **51** | **76.2** | **55.2** | **25** | **43** | **62** | **40** | **44** | **61** | **1500** | **1400** | **1000** | **1300** |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 20 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | -- | -- | -- | -- | -- | ND < 5 | ND < 20 | ND < 5 | -- |
| 1,4-Dioxane | 70 | -- | ND < 150 | ND < 150 | ND < 250 | ND < 250 | ND < 250 | **17** | **23** | **22** | -- | ND < 1200 | **260** | **470** |
| 2-Butanone (MEK) | 11800 | ND < 50 | ND < 5 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 50 | ND < 100 | ND < 10 | ND < 10 |
| Acetone | 45600 | ND < 50 | ND < 25 | ND < 25 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 50 | ND < 100 | ND < 20 | ND < 20 |
| Carbon disulfide | 4000 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 100 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 20 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 10 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 20 | ND < 5 | ND < 5 |
| Chloroform | 80 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 20 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **6** | ND < 5 | ND < 20 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 20 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | -- | -- | -- | -- | -- | ND < 5 | ND < 20 | ND < 5 | -- |
| Methylcyclohexane | Not Regulated | ND < 5 | -- | -- | ND < 5 | -- | -- | -- | -- | -- | ND < 5 | -- | ND < 5 | -- |
| Methylene chloride | 450 | ND < 5 | ND < 2 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **9.2** | ND < 20 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 20 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 20 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 20 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 20 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 20 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | ND < 2 | ND < 1 | ND < 1 | **2** | ND < 2 | **4** | **3** | **11** | **14** | ND < 2 | ND < 20 | ND < 2 | **2** |
| m&p-Xylene | 10000 | ND < 10 | ND < 2 | ND < 2 | -- | -- | -- | -- | -- | -- | ND < 10 | ND < 40 | -- | -- |
| o-Xylene | 10000 | ND < 5 | ND < 1 | ND < 1 | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 20 | -- | -- |
| Xylenes (unspecified) | 10000 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 20 | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-48D | MW-48D | MW-48D | MW-48D | MW-48S | MW-48S | MW-48S | MW-48S | MW-48S | MW-48S | MW-48S | MW-48S | MW-48S |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 2/8/2011 | 10/25/2011 | 4/18/2012 | 10/18/2012 | 10/26/2007 | 6/2/2009 | 5/26/2010 | 11/4/2010 | 11/4/2010 | 2/8/2011 | 2/8/2011 | 10/25/2011 | 10/25/2011 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | Duplicate | | Duplicate | | Duplicate |
| 1,1,1-Trichloroethane | 13600 | **420** | **450** | **480** | **380** | **730** | **170** | **230** | **230** | **220** | **100** | **100** | **170** | **180** |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 20 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | **120** | **110** | **89** | **71** | **230** | **110** | **130** | **120** | **120** | **89** | **86** | **98** | **99** |
| 1,1-Dichloroethene | 520 | **1400** | **1400** | **960** | **970** | **2200** | **1100** | **1100** | **1100** | **1100** | **750** | **670** | **1000** | **1100** |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 20 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | -- | -- | -- | -- | ND < 5 | ND < 20 | ND < 5 | -- | -- | -- | -- | -- | -- |
| 1,4-Dioxane | 70 | **480** | **460** | **410** | **270** | -- | ND < 1200 | ND < 250 | **460** | **450** | ND < 250 | ND < 250 | **280** | **260** |
| 2-Butanone (MEK) | 11800 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 50 | ND < 100 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| Acetone | 45600 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 50 | ND < 100 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 100 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 20 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 20 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 20 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 20 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 20 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | -- | -- | -- | -- | ND < 5 | ND < 20 | ND < 5 | -- | -- | -- | -- | -- | -- |
| Methylcyclohexane | Not Regulated | -- | -- | -- | -- | ND < 5 | -- | ND < 5 | -- | -- | -- | -- | -- | -- |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **5.4** | ND < 20 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 20 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 20 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 20 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 20 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 20 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | **3** | **2** | ND < 2 | ND < 2 | **7.7** | ND < 20 | **6** | **6** | **6** | **6** | **5** | **6** | **6** |
| m&p-Xylene | 10000 | -- | -- | -- | -- | ND < 10 | ND < 40 | -- | -- | -- | -- | -- | -- | -- |
| o-Xylene | 10000 | -- | -- | -- | -- | ND < 5 | ND < 20 | -- | -- | -- | -- | -- | -- | -- |
| Xylenes (unspecified) | 10000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 20 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-48S | MW-48S | MW-48S | MW-48S | MW-49D | MW-49D | MW-49D | MW-49D | MW-50D | MW-50D | MW-50D | MW-50D | MW-50D |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 4/18/2012 | 4/18/2012 | 10/18/2012 | 10/18/2012 | 10/29/2007 | 10/23/2011 | 4/22/2012 | 10/20/2012 | 10/29/2007 | 6/3/2009 | 10/14/2009 | 10/24/2011 | 4/22/2012 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | Duplicate | | Duplicate | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | **250** | **250** | **190** | **190** | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **430** | **92** | **48.7** | **24** | **54** |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | **95** | **95** | **75** | **74** | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **17** | **8.6** | **5.6** | **11** | **24** |
| 1,1-Dichloroethene | 520 | **910** | **890** | **880** | **860** | ND < 5 | ND < 2 | ND < 2 | ND < 2 | **570** | **180** | **99.2** | **75** | **100** |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | -- | -- | -- | -- | ND < 5 | -- | -- | -- | ND < 5 | ND < 1 | ND < 1 | -- | -- |
| 1,4-Dioxane | 70 | **250** | **280** | **180** | **150** | -- | ND < 2 | ND < 2 | ND < 2 | -- | ND < 60 | ND < 150 | ND < 2 | **2.5** |
| 2-Butanone (MEK) | 11800 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 50 | ND < 10 | ND < 10 | ND < 10 | ND < 50 | ND < 5 | ND < 5 | ND < 10 | ND < 10 |
| Acetone | 45600 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 50 | ND < 20 | ND < 20 | ND < 20 | ND < 50 | ND < 5 | ND < 25 | ND < 20 | ND < 20 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | -- | -- | -- | -- | ND < 5 | -- | -- | -- | ND < 5 | ND < 1 | ND < 1 | -- | -- |
| Methylcyclohexane | Not Regulated | -- | -- | -- | -- | ND < 5 | -- | -- | -- | ND < 5 | -- | -- | -- | -- |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 2 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | **6** | **6** | **5** | **5** | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 1 | ND < 1 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | -- | -- | -- | -- | ND < 10 | -- | -- | -- | ND < 10 | ND < 2 | ND < 2 | -- | -- |
| o-Xylene | 10000 | -- | -- | -- | -- | ND < 5 | -- | -- | -- | ND < 5 | ND < 1 | ND < 1 | -- | -- |
| Xylenes (unspecified) | 10000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | -- | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-50D | MW-51D | MW-51D | MW-51D | MW-51D | MW-51D | MW-51D | MW-51D | MW-52D | MW-52D | MW-52D | MW-52D | MW-52D |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 10/18/2012 | 10/28/2007 | 6/4/2009 | 10/15/2009 | 10/19/2011 | 10/19/2011 | 4/22/2012 | 10/18/2012 | 10/28/2007 | 6/6/2009 | 10/16/2009 | 10/18/2011 | 4/25/2012 |
| VOC (µg/L) | Type 3/4 GW RRS | | | | | | Duplicate | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | **12** | ND < 5 | **31** | **62.6** | ND < 5 | ND < 5 | **77** | **79** | ND < 5 | **2.2** | **2.6** | ND < 5 | ND < 5 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | **9** | **18** | **19** | **21.4** | **11** | **11** | **25** | **21** | ND < 5 | **1.6** | **2.3** | ND < 5 | ND < 5 |
| 1,1-Dichloroethene | 520 | **40** | ND < 5 | **56** | **135** | **11** | **11** | **190** | **270** | ND < 5 | **3.2** | **3.7** | **3** | ND < 2 |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | **--** | **6.8** | **6.7** | **5.9** | **--** | **--** | **--** | **--** | ND < 5 | ND < 1 | ND < 1 | **--** | **--** |
| 1,4-Dioxane | 70 | ND < 2 | **--** | ND < 60 | ND < 150 | **2.4** | **2.4** | **5.1** | **3.9** | **--** | ND < 150 | ND < 150 | ND < 2 | ND < 2 |
| 2-Butanone (MEK) | 11800 | ND < 10 | ND < 50 | ND < 5 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 50 | ND < 5 | ND < 5 | ND < 10 | ND < 10 |
| Acetone | 45600 | ND < 20 | ND < 50 | ND < 5 | ND < 25 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 50 | ND < 25 | ND < 25 | ND < 20 | ND < 20 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 5 | **--** | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **--** | **--** | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 5 | ND < 10 | **4.9** | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | **--** | ND < 5 | ND < 1 | ND < 1 | **--** | **--** | **--** | **--** | ND < 5 | ND < 1 | ND < 1 | **--** | **--** |
| Methylcyclohexane | Not Regulated | **--** | ND < 5 | **--** | **--** | **--** | **--** | **--** | **--** | ND < 5 | **--** | **--** | **--** | **--** |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 1 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | ND < 2 | ND < 2 | ND < 1 | ND < 1 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 1 | ND < 1 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | **--** | ND < 10 | ND < 2 | ND < 2 | **--** | **--** | **--** | **--** | ND < 10 | ND < 2 | ND < 2 | **--** | **--** |
| o-Xylene | 10000 | **--** | ND < 5 | ND < 1 | ND < 1 | **--** | **--** | **--** | **--** | ND < 5 | ND < 1 | ND < 1 | **--** | **--** |
| Xylenes (unspecified) | 10000 | ND < 5 | ND < 5 | ND < 1 | **--** | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **--** | **--** | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-52D | MW-54D | MW-54D | MW-54D | MW-54D | MW-54D | MW-54D | MW-55D | MW-55D | MW-55D | MW-55D | MW-56D | MW-56D |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 10/18/2012 | 10/27/2007 | 6/4/2009 | 2/6/2011 | 10/18/2011 | 4/22/2012 | 10/21/2012 | 11/6/2007 | 10/19/2011 | 4/25/2012 | 10/20/2012 | 10/29/2007 | 10/21/2011 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | **580** | **560** | **260** | **230** | **150** | **330** | **18** | ND < 5 | **10** | **12** | ND < 5 | ND < 5 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | ND < 5 | **110** | **100** | **90** | **39** | **43** | **65** | **26** | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethene | 520 | **4** | **800** | **1100** | **660** | **580** | **290** | **850** | **20** | **3** | **5** | **8** | ND < 5 | ND < 2 |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | -- | ND < 5 | ND < 10 | -- | -- | -- | -- | ND < 5 | -- | -- | -- | ND < 5 | -- |
| 1,4-Dioxane | 70 | ND < 2 | -- | ND < 600 | ND < 250 | **11** | **7.6** | **12** | -- | ND < 2 | ND < 2 | ND < 2 | -- | ND < 2 |
| 2-Butanone (MEK) | 11800 | ND < 10 | ND < 50 | ND < 50 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 50 | ND < 10 | ND < 10 | ND < 10 | ND < 50 | ND < 10 |
| Acetone | 45600 | ND < 20 | ND < 50 | ND < 50 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 50 | ND < 20 | ND < 20 | ND < 20 | ND < 50 | ND < 20 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 50 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 5 | ND < 10 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 5 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | -- | ND < 5 | ND < 10 | -- | -- | -- | -- | ND < 5 | -- | -- | -- | ND < 5 | -- |
| Methylcyclohexane | Not Regulated | -- | ND < 5 | -- | -- | -- | -- | -- | ND < 5 | -- | -- | -- | ND < 5 | -- |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | ND < 5 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | ND < 2 | ND < 2 | ND < 10 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | -- | ND < 10 | ND < 20 | -- | -- | -- | -- | ND < 10 | -- | -- | -- | ND < 10 | -- |
| o-Xylene | 10000 | -- | ND < 5 | ND < 10 | -- | -- | -- | -- | ND < 5 | -- | -- | -- | ND < 5 | -- |
| Xylenes (unspecified) | 10000 | ND < 5 | ND < 5 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-56D | MW-56D | MW-57D | MW-57D | MW-57D | MW-57D | MW-57D | MW-57D | MW-57I | MW-57I | MW-57I | MW-57I | MW-58D |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 4/25/2012 | 10/22/2012 | 10/30/2007 | 6/4/2009 | 2/7/2011 | 10/20/2011 | 4/22/2012 | 10/20/2012 | 10/30/2007 | 10/20/2011 | 4/22/2012 | 10/21/2012 | 10/30/2007 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | ND < 5 | **9600** | **3300** | **430** | **330** | **970** | **1100** | **33** | **580** | **1700** | **1900** | **170** |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 100 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 25 | ND < 5 |
| 1,1-Dichloroethane | 4000 | ND < 5 | ND < 5 | **260** | **320** | **230** | **110** | **250** | **440** | **5.8** | **170** | **460** | **560** | **300** |
| 1,1-Dichloroethene | 520 | ND < 2 | ND < 2 | **16000** | **5600** | **1100** | **740** | **1700** | **2400** | **61** | **1300** | **3000** | **3600** | **520** |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | **36** | ND < 100 | ND < 5 | ND < 5 | **5** | **7** | ND < 5 | ND < 5 | **13** | ND < 25 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | -- | -- | ND < 5 | ND < 100 | -- | -- | -- | -- | ND < 5 | -- | -- | -- | ND < 5 |
| 1,4-Dioxane | 70 | ND < 2 | ND < 2 | -- | ND < 6000 | ND < 250 | **5.5** | **14** | **15** | -- | **18** | **59** | **34** | -- |
| 2-Butanone (MEK) | 11800 | ND < 10 | ND < 10 | ND < 50 | ND < 500 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 50 | ND < 10 | ND < 10 | ND < 50 | ND < 50 |
| Acetone | 45600 | ND < 20 | ND < 20 | ND < 50 | ND < 500 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 50 | ND < 20 | ND < 20 | ND < 100 | ND < 50 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 500 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 25 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 5 | ND < 100 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 25 | ND < 5 |
| Chloroethane | 29200 | ND < 5 | ND < 5 | ND < 10 | ND < 100 | ND < 5 | ND < 5 | **5** | **10** | ND < 10 | ND < 5 | **7** | ND < 25 | ND < 10 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 5 | ND < 100 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 25 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 5 | ND < 100 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 25 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 5 | ND < 100 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 25 | ND < 5 |
| Freon-11 | 2000 | -- | -- | **19** | ND < 100 | -- | -- | -- | -- | ND < 5 | -- | -- | -- | ND < 5 |
| Methylcyclohexane | Not Regulated | -- | -- | **11** | -- | -- | -- | -- | -- | ND < 5 | -- | -- | -- | ND < 5 |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 5 | ND < 100 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 25 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 5 | ND < 100 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 25 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | **11** | ND < 100 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 25 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 5 | ND < 100 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 25 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 5 | ND < 100 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **7** | ND < 25 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | ND < 5 | **39** | ND < 100 | ND < 5 | ND < 5 | **6** | **8** | ND < 5 | ND < 5 | **11** | ND < 25 | ND < 5 |
| Vinyl chloride | 3 | ND < 2 | ND < 2 | ND < 2 | ND < 100 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 10 | ND < 2 |
| m&p-Xylene | 10000 | -- | -- | ND < 10 | ND < 200 | -- | -- | -- | -- | ND < 10 | -- | -- | -- | ND < 10 |
| o-Xylene | 10000 | -- | -- | ND < 5 | ND < 100 | -- | -- | -- | -- | ND < 5 | -- | -- | -- | ND < 5 |
| Xylenes (unspecified) | 10000 | ND < 5 | ND < 5 | ND < 5 | ND < 100 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 25 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-58D | MW-58D | MW-58D | MW-58D | MW-58D | MW-58D | MW-58S | MW-58S | MW-58S | MW-58S | MW-58S | MW-58S | MW-59D |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 6/3/2009 | 10/14/2009 | 10/21/2011 | 4/25/2012 | 4/25/2012 | 10/23/2012 | 10/30/2007 | 6/3/2009 | 2/7/2011 | 10/21/2011 | 4/25/2012 | 10/22/2012 | 10/28/2007 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | Duplicate | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | **24** | **14.3** | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **70** | **43** | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **92** |
| 1,1,2-Trichloroethane | 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | **190** | **140** | **120** | **110** | **110** | **76** | **320** | **1400** | **54** | **48** | **55** | **37** | **190** |
| 1,1-Dichloroethene | 520 | **200** | **145** | **150** | **130** | **140** | **130** | **330** | **1500** | **76** | **71** | **69** | **56** | **130** |
| 1,2-Dichloroethane | 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | ND < 1 | ND < 1 | -- | -- | -- | -- | ND < 5 | ND < 10 | -- | -- | -- | -- | **5.3** |
| 1,4-Dioxane | 70 | ND < 60 | ND < 150 | **3.3** | **3.9** | **3.6** | ND < 2 | -- | ND < 600 | ND < 250 | **2.9** | **3.3** | ND < 2 | -- |
| 2-Butanone (MEK) | 11800 | ND < 5 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 50 | ND < 50 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 50 |
| Acetone | 45600 | ND < 5 | ND < 25 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 50 | ND < 50 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 50 |
| Carbon disulfide | 4000 | ND < 5 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 50 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | **7.6** | ND < 1 | **6** | **8** | **8** | ND < 5 | **13** | **230** | **16** | **10** | **12** | **7** | ND < 10 |
| Chloroform | 80 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | ND < 1 | ND < 1 | -- | -- | -- | -- | ND < 5 | ND < 10 | -- | -- | -- | -- | ND < 5 |
| Methylcyclohexane | Not Regulated | -- | -- | -- | -- | -- | -- | ND < 5 | -- | -- | -- | -- | -- | ND < 5 |
| Methylene chloride | 450 | ND < 1 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | ND < 1 | ND < 1 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | **69** | **6** | **6** | **7** | **5** | ND < 2 |
| m&p-Xylene | 10000 | ND < 2 | ND < 2 | -- | -- | -- | -- | ND < 10 | ND < 20 | -- | -- | -- | -- | ND < 10 |
| o-Xylene | 10000 | ND < 1 | ND < 1 | -- | -- | -- | -- | ND < 5 | ND < 10 | -- | -- | -- | -- | ND < 5 |
| Xylenes (unspecified) | 10000 | ND < 1 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-59D | MW-59D | MW-59D | MW-59I | MW-59I | MW-59I | MW-59I | MW-60D | MW-60D | MW-60D | MW-60D | MW-60D | MW-60D |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 10/20/2011 | 4/24/2012 | 10/22/2012 | 10/28/2007 | 10/20/2011 | 4/25/2012 | 10/21/2012 | 10/28/2007 | 6/4/2009 | 10/15/2009 | 2/7/2011 | 10/21/2011 | 4/22/2012 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | **250** | **210** | **300** | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **3300** | **1100** | **1480** | **730** | **410** | **580** |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 20 | ND < 10 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | **280** | **270** | **380** | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **180** | **180** | **136** | **140** | **60** | **110** |
| 1,1-Dichloroethene | 520 | **310** | **240** | **540** | ND < 5 | ND < 2 | ND < 2 | ND < 2 | **4100** | **1500** | **2250** | **1300** | **1100** | **610** |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **9.4** | ND < 20 | ND < 10 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | -- | -- | -- | ND < 5 | -- | -- | -- | ND < 5 | ND < 20 | ND < 10 | -- | -- | -- |
| 1,4-Dioxane | 70 | **6.3** | **4.9** | **7.2** | -- | ND < 2 | ND < 2 | ND < 2 | -- | ND < 1200 | ND < 1500 | ND < 250 | **13** | **6.6** |
| 2-Butanone (MEK) | 11800 | ND < 10 | ND < 10 | ND < 10 | ND < 50 | ND < 10 | ND < 10 | ND < 10 | ND < 50 | ND < 100 | ND < 50 | ND < 10 | ND < 10 | ND < 10 |
| Acetone | 45600 | ND < 20 | ND < 20 | ND < 20 | ND < 50 | ND < 20 | ND < 20 | ND < 20 | ND < 50 | ND < 100 | ND < 250 | ND < 20 | ND < 20 | ND < 20 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 100 | -- | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 20 | ND < 10 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | **28** | **20** | **22** | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 20 | ND < 10 | ND < 5 | ND < 5 | ND < 5 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 20 | ND < 10 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 20 | ND < 10 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 20 | ND < 10 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | -- | -- | -- | ND < 5 | -- | -- | -- | **12** | ND < 20 | ND < 10 | -- | -- | -- |
| Methylcyclohexane | Not Regulated | -- | -- | -- | ND < 5 | -- | -- | -- | ND < 5 | -- | -- | -- | -- | -- |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 20 | ND < 20 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 20 | ND < 10 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | **7** | ND < 5 | **7** | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 20 | ND < 10 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 20 | ND < 10 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 20 | ND < 10 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | **7** | ND < 5 | **7** | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **12** | ND < 20 | ND < 10 | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 20 | ND < 10 | ND < 2 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | -- | -- | -- | ND < 10 | -- | -- | -- | ND < 10 | ND < 40 | ND < 20 | -- | -- | -- |
| o-Xylene | 10000 | -- | -- | -- | ND < 5 | -- | -- | -- | ND < 5 | ND < 20 | ND < 10 | -- | -- | -- |
| Xylenes (unspecified) | 10000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 20 | -- | ND < 5 | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-60D | MW-61 | MW-61 | MW-61 | MW-61 | MW-61 | MW-62 | MW-62 | MW-62 | MW-62 | MW-62 | MW-62 | MW-62 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 10/18/2012 | 6/7/2009 | 10/17/2009 | 10/26/2011 | 4/23/2012 | 10/21/2012 | 6/9/2009 | 10/18/2009 | 5/26/2010 | 11/4/2010 | 2/6/2011 | 10/21/2011 | 4/23/2012 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | **300** | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | **79** | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethene | 520 | **730** | ND < 1 | ND < 1 | ND < 2 | ND < 2 | ND < 2 | ND < 1 | ND < 1 | ND < 5 | ND < 2 | ND < 2 | ND < 2 | ND < 2 |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | -- | ND < 1 | ND < 1 | -- | -- | -- | ND < 1 | ND < 1 | ND < 5 | -- | -- | -- | -- |
| 1,4-Dioxane | 70 | **6.8** | ND < 150 | ND < 150 | ND < 2 | ND < 2 | ND < 2 | ND < 150 | ND < 150 | ND < 250 | ND < 250 | ND < 250 | ND < 2 | ND < 2 |
| 2-Butanone (MEK) | 11800 | ND < 10 | **32.5** | ND < 5 | **15** | ND < 10 | ND < 10 | ND < 5 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | **21** |
| Acetone | 45600 | ND < 20 | ND < 25 | ND < 25 | ND < 20 | ND < 20 | ND < 20 | ND < 25 | ND < 25 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 |
| Carbon disulfide | 4000 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroform | 80 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | -- | ND < 1 | ND < 1 | -- | -- | -- | ND < 1 | ND < 1 | ND < 5 | -- | -- | -- | -- |
| Methylcyclohexane | Not Regulated | -- | -- | -- | -- | -- | -- | -- | -- | ND < 5 | -- | -- | -- | -- |
| Methylene chloride | 450 | ND < 5 | ND < 2 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **32** |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | ND < 2 | ND < 1 | ND < 1 | ND < 2 | ND < 2 | ND < 2 | ND < 1 | ND < 1 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | -- | ND < 2 | ND < 2 | -- | -- | -- | ND < 2 | ND < 2 | -- | -- | -- | -- | -- |
| o-Xylene | 10000 | -- | ND < 1 | ND < 1 | -- | -- | -- | ND < 1 | ND < 1 | -- | -- | -- | -- | -- |
| Xylenes (unspecified) | 10000 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-62 | MW-63 | MW-63 | MW-63 | MW-63 | MW-63 | MW-63 | MW-63 | MW-63 | MW-64 | MW-64 | MW-64 | MW-64 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 10/21/2012 | 6/8/2009 | 10/14/2009 | 5/27/2010 | 11/3/2010 | 2/4/2011 | 10/27/2011 | 4/18/2012 | 10/23/2012 | 6/8/2009 | 10/14/2009 | 5/27/2010 | 11/3/2010 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | **11.8** | **36.9** | **9** | **38** | **35** | **6** | **52** | **29** | **4990** | **5390** | **6100** | **6400** |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 1 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **2.2** | ND < 20 | ND < 50 | ND < 50 |
| 1,1-Dichloroethane | 4000 | ND < 5 | **11.4** | **28.9** | **10** | **25** | **20** | ND < 5 | **15** | **6** | **206** | **226** | **280** | **180** |
| 1,1-Dichloroethene | 520 | ND < 2 | **418** | **941** | **390** | **670** | **660** | **200** | **300** | **68** | **1960** | **2540** | **2100** | **2500** |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 1 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **3.5** | ND < 20 | ND < 50 | ND < 50 |
| 1,4-Dichlorobenzene | 75 | -- | ND < 1 | ND < 2 | ND < 5 | -- | -- | -- | -- | -- | ND < 1 | ND < 20 | ND < 50 | -- |
| 1,4-Dioxane | 70 | ND < 2 | ND < 150 | ND < 300 | ND < 250 | ND < 250 | ND < 250 | **2.4** | **5.2** | **6.4** | **467** | ND < 3000 | ND < 2500 | ND < 2500 |
| 2-Butanone (MEK) | 11800 | ND < 10 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 5 | ND < 100 | ND < 100 | ND < 100 |
| Acetone | 45600 | ND < 20 | ND < 25 | ND < 50 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 25 | ND < 500 | ND < 200 | ND < 200 |
| Carbon disulfide | 4000 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 50 | ND < 50 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 1 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 20 | ND < 50 | ND < 50 |
| Chloroethane | 29200 | ND < 5 | ND < 1 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 20 | ND < 50 | ND < 50 |
| Chloroform | 80 | ND < 5 | ND < 1 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 20 | ND < 50 | ND < 50 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 1 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 20 | ND < 50 | ND < 50 |
| Ethyl benzene | 700 | ND < 5 | ND < 1 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 20 | ND < 50 | ND < 50 |
| Freon-11 | 2000 | -- | ND < 1 | ND < 2 | ND < 5 | -- | -- | -- | -- | -- | ND < 1 | ND < 20 | ND < 50 | -- |
| Methylcyclohexane | Not Regulated | -- | -- | -- | ND < 5 | -- | -- | -- | -- | -- | -- | -- | ND < 50 | -- |
| Methylene chloride | 450 | ND < 5 | ND < 2 | ND < 4 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **10.1** | ND < 40 | ND < 50 | ND < 50 |
| Styrene | 2600 | ND < 5 | ND < 1 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 20 | ND < 50 | ND < 50 |
| Tetrachloroethene | 98 | ND < 5 | ND < 1 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **1.4** | ND < 20 | ND < 50 | ND < 50 |
| Toluene | 5200 | ND < 5 | ND < 1 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **2.5** | ND < 20 | ND < 50 | ND < 50 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 1 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 20 | ND < 50 | ND < 50 |
| Trichloroethene | 5 | ND < 5 | ND < 1 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **3** | ND < 20 | ND < 50 | ND < 50 |
| Vinyl chloride | 3 | ND < 2 | ND < 1 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | **1.2** | ND < 20 | ND < 20 | ND < 20 |
| m&p-Xylene | 10000 | -- | ND < 2 | ND < 4 | -- | -- | -- | -- | -- | -- | **4.4** | ND < 40 | -- | -- |
| o-Xylene | 10000 | -- | ND < 1 | ND < 2 | -- | -- | -- | -- | -- | -- | ND < 1 | ND < 20 | -- | -- |
| Xylenes (unspecified) | 10000 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 50 | ND < 50 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-64 | MW-65D | MW-65D | MW-65D | MW-65D | MW-65D | MW-65D | MW-65D | MW-65D | MW-65D | MW-65D | MW-65S | MW-65S |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 2/4/2011 | 6/8/2009 | 5/27/2010 | 11/3/2010 | 2/4/2011 | 10/27/2011 | 10/27/2011 | 4/18/2012 | 4/18/2012 | 10/23/2012 | 10/23/2012 | 6/8/2009 | 5/27/2010 |
| VOC (µg/L) | Type 3/4 GW RRS | | | | | | | Duplicate | | Duplicate | | Duplicate | | |
| 1,1,1-Trichloroethane | 13600 | **5300** | **178** | **590** | **320** | **390** | **37** | **39** | **34** | **35** | **15** | **13** | **255** | **430** |
| 1,1,2-Trichloroethane | 5 | ND < 25 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **6.9** | **10** |
| 1,1-Dichloroethane | 4000 | **120** | **19.9** | **43** | **39** | **31** | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **321** | **270** |
| 1,1-Dichloroethene | 520 | **1900** | **232** | **510** | **310** | **340** | **32** | **32** | **14** | **13** | **42** | **32** | **7970** | **10000** |
| 1,2-Dichloroethane | 5 | ND < 25 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **23.7** | **31** |
| 1,4-Dichlorobenzene | 75 | -- | ND < 2 | ND < 5 | -- | -- | -- | -- | -- | -- | -- | -- | ND < 1 | ND < 5 |
| 1,4-Dioxane | 70 | ND < 1300 | ND < 300 | ND < 250 | ND < 250 | ND < 250 | **18** | **17** | **7.3** | **6.3** | **20** | **20** | **868** | **790** |
| 2-Butanone (MEK) | 11800 | ND < 50 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 5 | ND < 10 |
| Acetone | 45600 | ND < 100 | ND < 50 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 25 | ND < 20 |
| Carbon disulfide | 4000 | ND < 25 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | ND < 5 |
| Carbon tetrachloride | 10 | ND < 25 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 5 |
| Chloroethane | 29200 | ND < 25 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 5 |
| Chloroform | 80 | ND < 25 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 25 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 5 |
| Ethyl benzene | 700 | ND < 25 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 5 |
| Freon-11 | 2000 | -- | ND < 2 | ND < 5 | -- | -- | -- | -- | -- | -- | -- | -- | ND < 1 | ND < 5 |
| Methylcyclohexane | Not Regulated | -- | -- | ND < 5 | -- | -- | -- | -- | -- | -- | -- | -- | -- | ND < 5 |
| Methylene chloride | 450 | ND < 25 | ND < 4 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **3.3** | **5** |
| Styrene | 2600 | ND < 25 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 5 |
| Tetrachloroethene | 98 | ND < 25 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **1** | ND < 5 |
| Toluene | 5200 | ND < 25 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 25 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 5 |
| Trichloroethene | 5 | ND < 25 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **5.3** | **7** |
| Vinyl chloride | 3 | ND < 10 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | **12.5** | **7** |
| m&p-Xylene | 10000 | -- | ND < 4 | -- | -- | -- | -- | -- | -- | -- | -- | -- | ND < 2 | -- |
| o-Xylene | 10000 | -- | ND < 2 | -- | -- | -- | -- | -- | -- | -- | -- | -- | ND < 1 | -- |
| Xylenes (unspecified) | 10000 | ND < 25 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | **8** |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-65S | MW-65S | MW-66 | MW-66 | MW-66 | MW-66 | MW-66 | MW-66 | MW-66 | MW-66 | MW-W | MW-W | MW-W |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 11/3/2010 | 2/4/2011 | 6/7/2009 | 10/14/2009 | 5/27/2010 | 11/3/2010 | 2/4/2011 | 10/19/2011 | 4/18/2012 | 10/22/2012 | 5/14/2003 | 8/1/2003 | 11/6/2004 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | **250** | **330** | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 |
| 1,1,2-Trichloroethane | 5 | **12** | **11** | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 |
| 1,1-Dichloroethane | 4000 | **330** | **290** | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 |
| 1,1-Dichloroethene | 520 | **10000** | **11000** | **1.7** | **1.8** | ND < 5 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 1 | ND < 1 | ND < 5 |
| 1,2-Dichloroethane | 5 | **38** | **28** | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | -- | -- | ND < 1 | ND < 1 | ND < 5 | -- | -- | -- | -- | -- | -- | -- | ND < 5 |
| 1,4-Dioxane | 70 | **1600** | **1300** | ND < 150 | ND < 150 | ND < 250 | ND < 250 | ND < 250 | **3.1** | **3.4** | **2.3** | -- | -- | -- |
| 2-Butanone (MEK) | 11800 | ND < 10 | ND < 10 | ND < 5 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | -- | -- | ND < 10 |
| Acetone | 45600 | ND < 20 | ND < 20 | ND < 25 | ND < 25 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 25 | ND < 25 | ND < 20 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 |
| Chloroethane | 29200 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 10 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 |
| Freon-11 | 2000 | -- | -- | ND < 1 | ND < 1 | ND < 5 | -- | -- | -- | -- | -- | -- | -- | ND < 5 |
| Methylcyclohexane | Not Regulated | -- | -- | -- | -- | ND < 5 | -- | -- | -- | -- | -- | -- | -- | ND < 5 |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 |
| Trichloroethene | 5 | **7** | **7** | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 |
| Vinyl chloride | 3 | **20** | **9** | ND < 1 | ND < 1 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | -- | -- | ND < 2 |
| m&p-Xylene | 10000 | -- | -- | ND < 2 | ND < 2 | -- | -- | -- | -- | -- | -- | -- | -- | ND < 10 |
| o-Xylene | 10000 | -- | -- | ND < 1 | ND < 1 | -- | -- | -- | -- | -- | -- | -- | -- | ND < 5 |
| Xylenes (unspecified) | 10000 | ND < 5 | **6** | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | -- |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | MW-W | SBW-1 | SBW-1 | SBW-1 | SBW-1 | SBW-1 | SBW-1 | SBW-1 | SBW-1 | SBW-1 | SBW-1 | SBW-1 | SBW-1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 5/18/2005 | 3/17/2005 | 6/25/2006 | 10/10/2006 | 2/22/2007 | 5/19/2007 | 10/23/2007 | 6/10/2009 | 10/20/2009 | 5/27/2010 | 11/1/2010 | 2/6/2011 | 10/26/2011 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethene | 520 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | **3** | ND < 2 | **8** |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | -- | -- | -- |
| 1,4-Dioxane | 70 | -- | -- | -- | -- | -- | -- | -- | ND < 150 | ND < 150 | ND < 250 | ND < 250 | ND < 250 | ND < 2 |
| 2-Butanone (MEK) | 11800 | ND < 50 | ND < 10 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 5 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| Acetone | 45600 | ND < 50 | ND < 20 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 25 | ND < 25 | ND < 20 | ND < 20 | ND < 20 | ND < 20 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | -- | -- | -- |
| Methylcyclohexane | Not Regulated | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | -- | -- | -- |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 1 | ND < 1 | ND < 2 | ND < 2 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 2 | ND < 2 | -- | -- | -- | -- |
| o-Xylene | 10000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | -- | -- | -- | -- |
| Xylenes (unspecified) | 10000 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | SBW-1 | SBW-1 | SBW-2 | SBW-2 | SBW-2 | SBW-2 | SBW-2 | SBW-2 | SBW-2 | SBW-2 | SBW-2 | SBW-2 | SBW-2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 4/26/2012 | 10/17/2012 | 3/17/2005 | 6/25/2006 | 10/10/2006 | 2/22/2007 | 5/19/2007 | 10/23/2007 | 6/10/2009 | 10/20/2009 | 5/27/2010 | 11/1/2010 | 2/6/2011 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethene | 520 | ND < 2 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 2 | ND < 2 |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | -- | -- |
| 1,4-Dioxane | 70 | ND < 2 | ND < 2 | -- | -- | -- | -- | -- | -- | ND < 150 | ND < 150 | ND < 250 | ND < 250 | ND < 250 |
| 2-Butanone (MEK) | 11800 | ND < 10 | ND < 10 | ND < 10 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 5 | ND < 5 | ND < 10 | ND < 10 | ND < 10 |
| Acetone | 45600 | ND < 20 | ND < 20 | ND < 20 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 25 | ND < 25 | ND < 20 | ND < 20 | ND < 20 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 5 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | -- | -- |
| Methylcyclohexane | Not Regulated | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | -- | -- |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 1 | ND < 1 | ND < 2 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | -- | -- | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 2 | ND < 2 | -- | -- | -- |
| o-Xylene | 10000 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | -- | -- | -- |
| Xylenes (unspecified) | 10000 | ND < 5 | ND < 5 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | SBW-2 | SBW-2 | SBW-2 | SBW-3 | SBW-3 | SBW-3 | SBW-3 | SBW-3 | SBW-3 | SBW-3 | SBW-3 | SBW-3 | SBW-3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 10/26/2011 | 4/26/2012 | 10/17/2012 | 3/17/2005 | 6/25/2006 | 10/10/2006 | 2/22/2007 | 5/19/2007 | 10/23/2007 | 6/10/2009 | 10/20/2009 | 5/27/2010 | 11/1/2010 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **5.3** | **6** | **12** | ND < 5 | **29.7** | **19.3** | **10** | ND < 5 |
| 1,1-Dichloroethene | 520 | ND < 2 | ND < 2 | ND < 2 | ND < 5 | **13** | **21** | **24** | **50** | **24** | **121** | **92.7** | **54** | **10** |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | -- |
| 1,4-Dioxane | 70 | ND < 2 | ND < 2 | ND < 2 | -- | -- | -- | -- | -- | -- | ND < 150 | ND < 150 | ND < 250 | ND < 250 |
| 2-Butanone (MEK) | 11800 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 5 | ND < 5 | ND < 10 | ND < 10 |
| Acetone | 45600 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 25 | ND < 25 | ND < 20 | ND < 20 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | **1.5** | ND < 1 | ND < 5 | ND < 5 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | -- |
| Methylcyclohexane | Not Regulated | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | -- |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | **1.8** | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | **2.1** | ND < 1 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | -- | -- | -- | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 2 | ND < 2 | -- | -- |
| o-Xylene | 10000 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | -- | -- |
| Xylenes (unspecified) | 10000 | ND < 5 | ND < 5 | ND < 5 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | SBW-3 | SBW-3 | SBW-3 | SBW-3 | SBW-4 | SBW-4 | SBW-4 | SBW-4 | SBW-4 | SBW-4 | SBW-4 | SBW-4 | SBW-4 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 2/6/2011 | 10/26/2011 | 4/26/2012 | 10/17/2012 | 3/17/2005 | 3/17/2005 | 6/25/2006 | 10/10/2006 | 2/22/2007 | 5/19/2007 | 10/23/2007 | 6/10/2009 | 6/10/2009 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | Duplicate | | | | | | | Duplicate |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **100** | **100** | **60** | **74** | **93** | **100** | **90** | **86.9** | **85.8** |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| 1,1-Dichloroethane | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **34** | **34** | **43** | **44** | **45** | **70** | **65** | **56.1** | **52.3** |
| 1,1-Dichloroethene | 520 | **10** | **7** | **17** | **22** | **130** | **120** | **89** | **110** | **110** | **150** | **160** | **138** | **141** |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| 1,4-Dichlorobenzene | 75 | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| 1,4-Dioxane | 70 | ND < 250 | ND < 2 | ND < 2 | ND < 2 | -- | -- | -- | -- | -- | -- | -- | ND < 150 | ND < 150 |
| 2-Butanone (MEK) | 11800 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 5 | ND < 5 |
| Acetone | 45600 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 25 | ND < 25 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| Chloroethane | 29200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | **1.6** | ND < 1 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| Freon-11 | 2000 | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| Methylcyclohexane | Not Regulated | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **9.7** | ND < 1 | ND < 1 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| Trichloroethene | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **1.1** | **1** |
| Vinyl chloride | 3 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 1 | ND < 1 |
| m&p-Xylene | 10000 | -- | -- | -- | -- | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 2 | ND < 2 |
| o-Xylene | 10000 | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| Xylenes (unspecified) | 10000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | SBW-4 | SBW-4 | SBW-4 | SBW-4 | SBW-4 | SBW-4 | SBW-4 | SBW-4 | SBW-4 | SBW-4 | SBW-4 | SBW-4 | SBW-4 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 10/20/2009 | 10/20/2009 | 5/27/2010 | 11/1/2010 | 11/1/2010 | 2/6/2011 | 2/6/2011 | 10/26/2011 | 10/26/2011 | 4/26/2012 | 4/26/2012 | 10/17/2012 | 10/17/2012 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | Duplicate | | | Duplicate | | Duplicate | | Duplicate | | Duplicate | | Duplicate |
| 1,1,1-Trichloroethane | 13600 | **77.3** | **79.1** | **27** | **52** | **53** | **51** | **51** | **54** | **57** | **45** | **44** | **49** | **47** |
| 1,1,2-Trichloroethane | 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | **45** | **46.5** | **26** | **38** | **38** | **34** | **34** | **44** | **44** | **31** | **31** | **62** | **63** |
| 1,1-Dichloroethene | 520 | **130** | **139** | **42** | **77** | **78** | **110** | **110** | **150** | **150** | **75** | **75** | **170** | **160** |
| 1,2-Dichloroethane | 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | ND < 1 | ND < 1 | ND < 5 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1,4-Dioxane | 70 | ND < 150 | ND < 150 | ND < 250 | ND < 250 | ND < 250 | ND < 250 | ND < 250 | **5** | **5.1** | **2.7** | **2.6** | **4.1** | **3.8** |
| 2-Butanone (MEK) | 11800 | ND < 5 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| Acetone | 45600 | ND < 25 | ND < 25 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 |
| Carbon disulfide | 4000 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroform | 80 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | ND < 1 | ND < 1 | ND < 5 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Methylcyclohexane | Not Regulated | -- | -- | ND < 5 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Methylene chloride | 450 | ND < 2 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 1 | ND < 1 | ND < 5 | **33** | **22** | ND < 5 | ND < 5 | **21** | **11** | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | ND < 1 | ND < 1 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | **17** | **16** |
| m&p-Xylene | 10000 | ND < 2 | ND < 2 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| o-Xylene | 10000 | ND < 1 | ND < 1 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Xylenes (unspecified) | 10000 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | SBW-5 | SBW-5 | SBW-5 | SBW-5 | SBW-5 | SBW-5 | SBW-5 | SBW-5 | SBW-5 | SBW-5 | SBW-5 | SBW-5 | SBW-5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 3/17/2005 | 6/25/2006 | 10/10/2006 | 2/22/2007 | 5/19/2007 | 10/23/2007 | 6/10/2009 | 10/20/2009 | 5/27/2010 | 11/1/2010 | 2/6/2011 | 10/26/2011 | 4/26/2012 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **1** | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethene | 520 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **1** | ND < 1 | ND < 5 | ND < 2 | **3** | ND < 2 | ND < 2 |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | -- | -- | -- | -- |
| 1,4-Dioxane | 70 | -- | -- | -- | -- | -- | -- | ND < 150 | ND < 150 | ND < 250 | ND < 250 | ND < 250 | ND < 2 | ND < 2 |
| 2-Butanone (MEK) | 11800 | ND < 10 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 5 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| Acetone | 45600 | ND < 20 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 25 | ND < 25 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | -- | -- | -- | -- |
| Methylcyclohexane | Not Regulated | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | -- | -- | -- | -- |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 1 | ND < 1 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 2 | ND < 2 | -- | -- | -- | -- | -- |
| o-Xylene | 10000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | -- | -- | -- | -- | -- |
| Xylenes (unspecified) | 10000 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | SBW-5 | SBW-6 | SBW-6 | SBW-6 | SBW-6 | SBW-6 | SBW-6 | SBW-7 | SBW-7 | SBW-7 | SBW-7 | SBW-7 | SBW-7 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 10/17/2012 | 3/18/2005 | 6/25/2006 | 10/10/2006 | 10/26/2011 | 4/26/2012 | 10/17/2012 | 3/18/2005 | 6/25/2006 | 10/11/2006 | 2/22/2007 | 5/19/2007 | 10/24/2007 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | **190** | **250** | **53** | ND < 5 | **14** | **15** | **10** | **46** | **54** | **100** | **110** | **35** |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | ND < 5 | **180** | **370** | **250** | ND < 5 | **39** | **78** | **37** | **170** | **160** | **230** | **290** | **190** |
| 1,1-Dichloroethene | 520 | ND < 2 | **150** | **180** | **140** | **2** | **18** | **40** | **5.4** | **22** | **28** | **45** | **53** | **23** |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | -- | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dioxane | 70 | ND < 2 | -- | -- | -- | **3.4** | ND < 2 | ND < 2 | -- | -- | -- | -- | -- | -- |
| 2-Butanone (MEK) | 11800 | ND < 10 | ND < 10 | ND < 50 | ND < 50 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 |
| Acetone | 45600 | ND < 20 | ND < 20 | ND < 50 | ND < 50 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | -- | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Methylcyclohexane | Not Regulated | -- | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | ND < 2 | ND < 2 | **18** | **21** | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | -- | ND < 10 | ND < 10 | ND < 10 | -- | -- | -- | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| o-Xylene | 10000 | -- | ND < 5 | ND < 5 | ND < 5 | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Xylenes (unspecified) | 10000 | ND < 5 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | SBW-7 | SBW-7 | SBW-7 | SBW-7 | SBW-7 | SBW-7 | SBW-8 | SBW-8 | SBW-8 | SBW-8 | SBW-8 | SBW-8 | SBW-8 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 5/27/2010 | 11/1/2010 | 2/6/2011 | 10/26/2011 | 4/26/2012 | 10/17/2012 | 3/18/2005 | 6/25/2006 | 10/10/2006 | 2/22/2007 | 5/19/2007 | 10/24/2007 | 6/10/2009 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 |
| 1,1-Dichloroethane | 4000 | **14** | **7** | **16** | **8** | **6** | **7** | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 |
| 1,1-Dichloroethene | 520 | ND < 5 | ND < 2 | **3** | ND < 2 | ND < 2 | ND < 2 | **6.4** | ND < 5 | ND < 5 | ND < 5 | **5** | ND < 5 | **7** |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 |
| 1,4-Dichlorobenzene | 75 | ND < 5 | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 |
| 1,4-Dioxane | 70 | ND < 250 | ND < 250 | ND < 250 | **2.9** | **3.4** | **2.7** | -- | -- | -- | -- | -- | -- | ND < 150 |
| 2-Butanone (MEK) | 11800 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 5 |
| Acetone | 45600 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 25 |
| Carbon disulfide | 4000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- |
| Carbon tetrachloride | 10 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 |
| Chloroethane | 29200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 1 |
| Chloroform | 80 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 |
| Ethyl benzene | 700 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 |
| Freon-11 | 2000 | ND < 5 | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 |
| Methylcyclohexane | Not Regulated | ND < 5 | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- |
| Methylene chloride | 450 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 2 |
| Styrene | 2600 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 |
| Tetrachloroethene | 98 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 |
| Toluene | 5200 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 |
| Trichloroethene | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 |
| Vinyl chloride | 3 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 1 |
| m&p-Xylene | 10000 | -- | -- | -- | -- | -- | -- | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 2 |
| o-Xylene | 10000 | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 |
| Xylenes (unspecified) | 10000 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | SBW-8 | SBW-8 | SBW-8 | SBW-8 | SBW-8 | SBW-8 | SBW-8 | SBW-9 | SBW-9 | SBW-9 | SBW-9 | SBW-9 | SBW-9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 10/20/2009 | 5/27/2010 | 11/1/2010 | 2/6/2011 | 10/26/2011 | 4/26/2012 | 10/17/2012 | 3/18/2005 | 6/25/2006 | 10/10/2006 | 2/22/2007 | 5/19/2007 | 10/24/2007 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **25** | **82** | **150** | **200** | **260** | **90** |
| 1,1,2-Trichloroethane | 5 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | **17** | **73** | **65** | **73** | **100** | **45** |
| 1,1-Dichloroethene | 520 | **7.2** | ND < 5 | **2** | **6** | **5** | **4** | **3** | **100** | **180** | **420** | **580** | **790** | **260** |
| 1,2-Dichloroethane | 5 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | ND < 1 | ND < 5 | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dioxane | 70 | ND < 150 | ND < 250 | ND < 250 | ND < 250 | **6.9** | **9** | **3.6** | -- | -- | -- | -- | -- | -- |
| 2-Butanone (MEK) | 11800 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 |
| Acetone | 45600 | ND < 25 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 50 | ND < 50 | ND < 50 | ND < 50 | ND < 50 |
| Carbon disulfide | 4000 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| Chloroform | 80 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | ND < 1 | ND < 5 | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Methylcyclohexane | Not Regulated | -- | ND < 5 | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Methylene chloride | 450 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | ND < 1 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | **21** | **11** | **5.5** | **13** | **13** |
| m&p-Xylene | 10000 | ND < 2 | -- | -- | -- | -- | -- | -- | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| o-Xylene | 10000 | ND < 1 | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Xylenes (unspecified) | 10000 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | SBW-9 | SBW-9 | SBW-9 | SBW-9 | SBW-9 | SBW-9 | SBW-9 | SBW-9 | SBW-10 | SBW-10 | SBW-10 | SBW-10 | SBW-10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 6/10/2009 | 10/20/2009 | 5/27/2010 | 11/1/2010 | 2/6/2011 | 10/26/2011 | 4/26/2012 | 10/17/2012 | 3/18/2005 | 6/25/2006 | 10/10/2006 | 2/22/2007 | 5/19/2007 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | **174** | **121** | **130** | **130** | **160** | **130** | **170** | **220** | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1,2-Trichloroethane | 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | **46.3** | **29.9** | **41** | **36** | **56** | **36** | **32** | **41** | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethene | 520 | **499** | **389** | **430** | **340** | **650** | **400** | **320** | **490** | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,2-Dichloroethane | 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | ND < 1 | ND < 1 | ND < 5 | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dioxane | 70 | ND < 150 | ND < 150 | ND < 250 | ND < 250 | ND < 250 | **150** | **130** | **160** | -- | -- | -- | -- | -- |
| 2-Butanone (MEK) | 11800 | ND < 5 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 50 | ND < 50 | ND < 50 | ND < 50 |
| Acetone | 45600 | ND < 25 | ND < 25 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 50 | ND < 50 | ND < 50 | ND < 50 |
| Carbon disulfide | 4000 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| Chloroform | 80 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | ND < 1 | ND < 1 | ND < 5 | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Methylcyclohexane | Not Regulated | -- | -- | ND < 5 | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Methylene chloride | 450 | ND < 2 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 1 | **1.9** | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | **2.6** | ND < 1 | ND < 2 | ND < 2 | **2** | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | ND < 2 | ND < 2 | -- | -- | -- | -- | -- | -- | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| o-Xylene | 10000 | ND < 1 | ND < 1 | -- | -- | -- | -- | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Xylenes (unspecified) | 10000 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-2**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Groundwater**
2002-2012
Avery Dennison Site
Flowery Branch, Georgia

| | Sample ID: | SBW-10 | SBW-10 | SBW-10 | SBW-10 | SBW-10 | SBW-10 | SBW-10 | SBW-10 | SBW-10 |
|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 10/24/2007 | 6/10/2009 | 10/20/2009 | 5/27/2010 | 11/1/2010 | 2/6/2011 | 10/26/2011 | 4/26/2012 | 10/17/2012 |
| **VOC (µg/L)** | **Type 3/4 GW RRS** | | | | | | | | | |
| 1,1,1-Trichloroethane | 13600 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1,2-Trichloroethane | 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | 4000 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethene | 520 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | **6** |
| 1,2-Dichloroethane | 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dichlorobenzene | 75 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | -- | -- | -- | -- | -- |
| 1,4-Dioxane | 70 | -- | ND < 150 | ND < 150 | ND < 250 | ND < 250 | ND < 250 | ND < 2 | ND < 2 | ND < 2 |
| 2-Butanone (MEK) | 11800 | ND < 50 | ND < 5 | ND < 5 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 | ND < 10 |
| Acetone | 45600 | ND < 50 | ND < 25 | ND < 25 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 | ND < 20 |
| Carbon disulfide | 4000 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Carbon tetrachloride | 10 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroethane | 29200 | ND < 10 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Chloroform | 80 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| cis-1,2-Dichloroethene | 200 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Ethyl benzene | 700 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Freon-11 | 2000 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | -- | -- | -- | -- | -- |
| Methylcyclohexane | Not Regulated | ND < 5 | -- | -- | ND < 5 | -- | -- | -- | -- | -- |
| Methylene chloride | 450 | ND < 5 | ND < 2 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Styrene | 2600 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Tetrachloroethene | 98 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Toluene | 5200 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| trans-1,2-Dichloroethene | 160 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Trichloroethene | 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| Vinyl chloride | 3 | ND < 2 | ND < 1 | ND < 1 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 |
| m&p-Xylene | 10000 | ND < 10 | ND < 2 | ND < 2 | -- | -- | -- | -- | -- | -- |
| o-Xylene | 10000 | ND < 5 | ND < 1 | ND < 1 | -- | -- | -- | -- | -- | -- |
| Xylenes (unspecified) | 10000 | ND < 5 | -- | -- | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |

Notes:
1) Only compounds detected above laboratory quantitation limits (PQL) are shown.
2) Non-detects are presented as "ND < ##", where ## is the laboratory PQL.
3)"--" = Compound was not included in the laboratory analysis.
4)Detections in excess of Type 3/4 groundwater RRS are shaded.
5)Type 3/4 GW RRS's referenced from "Revisions to the RRS Calculations per 19 June 2012 memo and 11 July 2012 Contract Addendum".
6) Xylenes (total) is the sum of m&p-Xylene and o-Xylene concentrations.
7) Samples collected using a polyethylene diffusion bag are indicated by (DBS).
8) B indicates that the analyte was found in the associated laboratory blank, as well as in the sample.

**Table 3-3**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Surface Water**
2005-2012
Avery Dennison Site
Flowery Branch, GA

| VOC (µg/L) | Location ID: / Sample Date: / In-stream Water Quality Criteria | SW-DS-5 2/15/2011 | SW-DS-5 4/26/2012 | SW-DS-5 10/17/2012 | SW-DS-4 2/15/2011 | SW-DS-3 2/15/2011 | SW-DS-2 2/6/2011 | SW-DS-2 2/15/2011 | SW-DS-2 10/26/2011 | SW-DS-2 4/26/2012 | SW-DS-2 10/17/2012 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | - | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | - | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethene | 7100 | 3 | ND < 2 | 2 | 3 | 4 | 2 | 4 | 6 | 2 | 3 |
| 1,4-Dioxane | - | ND < 250 | ND < 2 | ND < 2 | ND < 250 | ND < 250 | ND < 250 | ND < 250 | 2.1 | ND < 2 | ND < 2 |

Notes:

1) All concentrations are expressed in micrograms per liter (µg/L).

2) "-" indicates no in-stream water quality criteria.

3) Non-Detects are expressed as "ND < #", where # is the laboratory PQL.

4) In-stream Water Quality Criteria from Georgia Rules & Regulations for Water Quality Control Chapter 391-3-6.03 (rev June 5, 2011).

5) Of the compounds detected in site surface water, only 1,1-Dichlorethene has an in-stream water quality criterion.

6) Detections of 1,1-Dichloroethene in excess of In-Stream Water Quality Criteria are shown in bold and shaded.

**Table 3-3**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Surface Water**
2005-2012
Avery Dennison Site
Flowery Branch, GA

| | **Location ID:** | SW-DS-2(Before) | SW-DS-1 | SW-DS-1 | SW-DS-1 | SW-DS-1 | SW-DS-1 | SW-0 | SW-0 | SW-0 | SW-0 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | **Sample Date:** | 2/15/2011 | 2/6/2011 | 2/15/2011 | 10/26/2011 | 4/26/2012 | 10/17/2012 | 6/10/2009 | 10/20/2009 | 5/27/2010 | 5/27/2010 |
| **VOC (µg/L)** | **In-stream Water Quality Criteria** | | | | | | | | | Duplicate | |
| 1,1,1-Trichloroethane | - | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | 1.8 | 1.2 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | - | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | 1.1 | ND < 1 | ND < 5 | ND < 5 |
| 1,1-Dichloroethene | 7100 | 4 | 3 | 5 | 9 | 3 | 4 | 3.6 | 2.8 | ND < 5 | ND < 5 |
| 1,4-Dioxane | - | ND < 250 | ND < 250 | ND < 250 | ND < 2 | ND < 2 | ND < 2 | ND < 150 | ND < 150 | ND < 250 | ND < 250 |

Notes:

1) All concentrations are expressed in micrograms per liter (µg/L).

2) "-" indicates no in-stream water quality criteria.

3) Non-Detects are expressed as "ND < #", where # is the laboratory PQL.

4) In-stream Water Quality Criteria from Georgia Rules & Regulations for Water Quality Control Chapter 391-3-6.03 (rev June 5, 2011).

5) Of the compounds detected in site surface water, only 1,1-Dichlorethene has an in-stream water quality criterion.

6) Detections of 1,1-Dichloroethene in excess of In-Stream Water Quality Criteria are shown in bold and shaded.

**Table 3-3**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Surface Water**
2005-2012
Avery Dennison Site
Flowery Branch, GA

| | **Location ID:** | SW-0 | SW-0 | SW-0 | SW-0 | SW-0 | SW-0 | SW-0 | SW-0 | SW-1 | SW-1 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | **Sample Date:** | 11/1/2010 | 11/1/2010 | 2/6/2011 | 2/6/2011 | 2/15/2011 | 10/26/2011 | 4/26/2012 | 10/17/2012 | 3/15/2005 | 6/23/2006 |
| **VOC (µg/L)** | **In-stream Water Quality Criteria** | | Duplicate | | Duplicate | | | | | | |
| 1,1,1-Trichloroethane | - | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | 8.6 |
| 1,1-Dichloroethane | - | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethene | 7100 | 4 | 4 | 3 | 3 | 5 | 7 | 3 | 5 | ND < 5 | 10 |
| 1,4-Dioxane | - | ND < 250 | ND < 250 | ND < 250 | ND < 250 | ND < 250 | ND < 2 | ND < 2 | ND < 2 | -- | -- |

Notes:

1) All concentrations are expressed in micrograms per liter (µg/L).

2) "-" indicates no in-stream water quality criteria.

3) Non-Detects are expressed as "ND < #", where # is the laboratory PQL.

4) In-stream Water Quality Criteria from Georgia Rules & Regulations for Water Quality Control Chapter 391-3-6.03 (rev June 5, 2011).

5) Of the compounds detected in site surface water, only 1,1-Dichlorethene has an in-stream water quality criterion.

6) Detections of 1,1-Dichloroethene in excess of In-Stream Water Quality Criteria are shown in bold and shaded.

**Table 3-3**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Surface Water**
2005-2012
Avery Dennison Site
Flowery Branch, GA

| VOC (µg/L) | In-stream Water Quality Criteria | SW-1 10/10/2006 | SW-1 2/22/2007 | SW-1 5/19/2007 | SW-1 10/23/2007 | SW-1 6/10/2009 | SW-1 6/10/2009 Duplicate | SW-1 10/20/2009 | SW-1 10/20/2009 Duplicate | SW-1 5/27/2010 | SW-1 11/1/2010 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | - | ND < 5 | ND < 5 | 7.8 | 9 | 2.5 | 2.5 | 1.2 | 1.3 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | - | ND < 5 | ND < 5 | ND < 5 | 5.2 | 1.4 | 1.3 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| 1,1-Dichloroethene | 7100 | 9.4 | 6.5 | 10 | 19 | 5 | 5.4 | 2.8 | 3 | ND < 5 | 6 |
| 1,4-Dioxane | - | -- | -- | -- | -- | ND < 150 | ND < 150 | ND < 150 | ND < 150 | ND < 250 | ND < 250 |

Notes:

1) All concentrations are expressed in micrograms per liter (µg/L).

2) "-" indicates no in-stream water quality criteria.

3) Non-Detects are expressed as "ND < #", where # is the laboratory PQL.

4) In-stream Water Quality Criteria from Georgia Rules & Regulations for Water Quality Control Chapter 391-3-6.03 (rev June 5, 2011).

5) Of the compounds detected in site surface water, only 1,1-Dichlorethene has an in-stream water quality criterion.

6) Detections of 1,1-Dichloroethene in excess of In-Stream Water Quality Criteria are shown in bold and shaded.

**Table 3-3**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Surface Water**
2005-2012
Avery Dennison Site
Flowery Branch, GA

| VOC (µg/L) | Location ID: / Sample Date: / In-stream Water Quality Criteria | SW-1 2/6/2011 | SW-1 2/15/2011 | SW-1 10/26/2011 | SW-1 10/26/2011 Duplicate | SW-1 4/26/2012 | SW-1 4/26/2012 Duplicate | SW-1 10/17/2012 | SW-1 10/17/2012 Duplicate | SW-2 3/15/2005 | SW-2 6/25/2006 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | - | ND < 5 | ND < 5 | 5 | 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | - | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethene | 7100 | 3 | 5 | 17 | 17 | 5 | 5 | 6 | 7 | ND < 5 | ND < 5 |
| 1,4-Dioxane | - | ND < 250 | ND < 250 | 2 | 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | -- | -- |

Notes:

1) All concentrations are expressed in micrograms per liter (µg/L).

2) "-" indicates no in-stream water quality criteria.

3) Non-Detects are expressed as "ND < #", where # is the laboratory PQL.

4) In-stream Water Quality Criteria from Georgia Rules & Regulations for Water Quality Control Chapter 391-3-6.03 (rev June 5, 2011).

5) Of the compounds detected in site surface water, only 1,1-Dichlorethene has an in-stream water quality criterion.

6) Detections of 1,1-Dichloroethene in excess of In-Stream Water Quality Criteria are shown in bold and shaded.

**Table 3-3**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Surface Water**
2005-2012
Avery Dennison Site
Flowery Branch, GA

| VOC (µg/L) | In-stream Water Quality Criteria | Location ID: SW-2 Sample Date: 10/10/2006 | SW-2 2/22/2007 | SW-2 5/19/2007 | SW-2 10/23/2007 | SW-2 6/10/2009 | SW-2 10/20/2009 | SW-2 5/27/2010 | SW-2 11/1/2010 | SW-2 2/6/2011 | SW-2 10/26/2011 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | - | 7.7 | ND < 5 | 18 | 25 | 3.4 | 1.5 | ND < 5 | ND < 5 | ND < 5 | 8 |
| 1,1-Dichloroethane | - | ND < 5 | ND < 5 | 5.7 | 12 | 1.8 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethene | 7100 | 14 | 6.7 | 24 | 47 | 6.5 | 3.3 | ND < 5 | 9 | 4 | 24 |
| 1,4-Dioxane | - | -- | -- | -- | -- | ND < 150 | ND < 150 | ND < 250 | ND < 250 | ND < 250 | 2.3 |

Notes:

1) All concentrations are expressed in micrograms per liter (µg/L).

2) "-" indicates no in-stream water quality criteria.

3) Non-Detects are expressed as "ND < #", where # is the laboratory PQL.

4) In-stream Water Quality Criteria from Georgia Rules & Regulations for Water Quality Control Chapter 391-3-6.03 (rev June 5, 2011).

5) Of the compounds detected in site surface water, only 1,1-Dichlorethene has an in-stream water quality criterion.

6) Detections of 1,1-Dichloroethene in excess of In-Stream Water Quality Criteria are shown in bold and shaded.

**Table 3-3**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Surface Water**
2005-2012
Avery Dennison Site
Flowery Branch, GA

| VOC (µg/L) | Location ID: / Sample Date: / In-stream Water Quality Criteria | SW-2 4/26/2012 | SW-2 10/17/2012 | SW-3 3/15/2005 | SW-3 6/25/2006 | SW-3 10/10/2006 | SW-3 2/22/2007 | SW-3 5/19/2007 | SW-3 10/23/2007 | SW-3 6/10/2009 | SW-3 10/20/2009 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | - | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| 1,1-Dichloroethane | - | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 |
| 1,1-Dichloroethene | 7100 | 6 | 6 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | 5.9 | ND < 5 | 1.6 | 1.2 |
| 1,4-Dioxane | - | ND < 2 | ND < 2 | -- | -- | -- | -- | -- | -- | ND < 150 | ND < 150 |

Notes:

1) All concentrations are expressed in micrograms per liter (µg/L).

2) "-" indicates no in-stream water quality criteria.

3) Non-Detects are expressed as "ND < #", where # is the laboratory PQL.

4) In-stream Water Quality Criteria from Georgia Rules & Regulations for Water Quality Control Chapter 391-3-6.03 (rev June 5, 2011).

5) Of the compounds detected in site surface water, only 1,1-Dichlorethene has an in-stream water quality criterion.

6) Detections of 1,1-Dichloroethene in excess of In-Stream Water Quality Criteria are shown in bold and shaded.

**Table 3-3**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Surface Water**
2005-2012
Avery Dennison Site
Flowery Branch, GA

| VOC (µg/L) | Location ID: / Sample Date: / In-stream Water Quality Criteria | SW-3 5/27/2010 | SW-3 11/1/2010 | SW-3 2/6/2011 | SW-3 10/26/2011 | SW-3 4/26/2012 | SW-3 10/17/2012 | SW-4 3/15/2005 | SW-4 6/25/2006 | SW-4 10/10/2006 | SW-4 2/22/2007 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | - | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | - | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethene | 7100 | ND < 5 | 2 | ND < 2 | 2 | 3 | 4 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dioxane | - | ND < 250 | ND < 250 | ND < 250 | 2.1 | ND < 2 | ND < 2 | -- | -- | -- | -- |

Notes:

1) All concentrations are expressed in micrograms per liter (µg/L).

2) "-" indicates no in-stream water quality criteria.

3) Non-Detects are expressed as "ND < #", where # is the laboratory PQL.

4) In-stream Water Quality Criteria from Georgia Rules & Regulations for Water Quality Control Chapter 391-3-6.03 (rev June 5, 2011).

5) Of the compounds detected in site surface water, only 1,1-Dichlorethene has an in-stream water quality criterion.

6) Detections of 1,1-Dichloroethene in excess of In-Stream Water Quality Criteria are shown in bold and shaded.

**Table 3-3**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Surface Water**
2005-2012
Avery Dennison Site
Flowery Branch, GA

| VOC (µg/L) | Location ID: / Sample Date: / In-stream Water Quality Criteria | SW-4 5/19/2007 | SW-4 10/23/2007 | SW-4 6/10/2009 | SW-4 10/20/2009 | SW-4 5/27/2010 | SW-4 11/1/2010 | SW-4 2/6/2011 | SW-4 10/26/2011 | SW-4 4/26/2012 | SW-4 10/17/2012 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | - | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | - | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethene | 7100 | ND < 5 | ND < 5 | 1.1 | ND < 1 | ND < 5 | ND < 2 | 2 | 3 | ND < 2 | ND < 2 |
| 1,4-Dioxane | - | -- | -- | ND < 150 | ND < 150 | ND < 250 | ND < 250 | ND < 250 | 2.6 | ND < 2 | ND < 2 |

Notes:

1) All concentrations are expressed in micrograms per liter (µg/L).

2) "-" indicates no in-stream water quality criteria.

3) Non-Detects are expressed as "ND < #", where # is the laboratory PQL.

4) In-stream Water Quality Criteria from Georgia Rules & Regulations for Water Quality Control Chapter 391-3-6.03 (rev June 5, 2011).

5) Of the compounds detected in site surface water, only 1,1-Dichlorethene has an in-stream water quality criterion.

6) Detections of 1,1-Dichloroethene in excess of In-Stream Water Quality Criteria are shown in bold and shaded.

**Table 3-3**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Surface Water**
2005-2012
Avery Dennison Site
Flowery Branch, GA

| VOC (µg/L) | Location ID: / Sample Date: / In-stream Water Quality Criteria | SW-5 3/15/2005 | SW-5 6/25/2006 | SW-5 10/10/2006 | SW-5 2/22/2007 | SW-5 5/19/2007 | SW-5 10/23/2007 | SW-5 6/10/2009 | SW-5 10/20/2009 | SW-5 5/27/2010 | SW-5 11/1/2010 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | - | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | - | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 5 |
| 1,1-Dichloroethene | 7100 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 1 | ND < 1 | ND < 5 | ND < 2 |
| 1,4-Dioxane | - | -- | -- | -- | -- | -- | -- | ND < 150 | ND < 150 | ND < 250 | ND < 250 |

Notes:

1) All concentrations are expressed in micrograms per liter (µg/L).

2) "-" indicates no in-stream water quality criteria.

3) Non-Detects are expressed as "ND < #", where # is the laboratory PQL.

4) In-stream Water Quality Criteria from Georgia Rules & Regulations for Water Quality Control Chapter 391-3-6.03 (rev June 5, 2011).

5) Of the compounds detected in site surface water, only 1,1-Dichlorethene has an in-stream water quality criterion.

6) Detections of 1,1-Dichloroethene in excess of In-Stream Water Quality Criteria are shown in bold and shaded.

**Table 3-3**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Surface Water**
2005-2012
Avery Dennison Site
Flowery Branch, GA

| VOC (µg/L) | Location ID: / Sample Date: / In-stream Water Quality Criteria | SW-5 2/6/2011 | SW-5 10/26/2011 | SW-5 4/26/2012 | SW-5 10/17/2012 | SW-6 3/15/2005 | SW-6 6/25/2006 | SW-6 10/10/2006 | SW-6 2/22/2007 | SW-6 5/19/2007 | SW-6 10/23/2007 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | - | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | - | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethene | 7100 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,4-Dioxane | - | ND < 250 | ND < 2 | ND < 2 | ND < 2 | -- | -- | -- | -- | -- | -- |

Notes:

1) All concentrations are expressed in micrograms per liter (µg/L).

2) "-" indicates no in-stream water quality criteria.

3) Non-Detects are expressed as "ND < #", where # is the laboratory PQL.

4) In-stream Water Quality Criteria from Georgia Rules & Regulations for Water Quality Control Chapter 391-3-6.03 (rev June 5, 2011).

5) Of the compounds detected in site surface water, only 1,1-Dichlorethene has an in-stream water quality criterion.

6) Detections of 1,1-Dichloroethene in excess of In-Stream Water Quality Criteria are shown in bold and shaded.

**Table 3-3**
**Summary of Concentrations of VOCs and 1,4-Dioxane in Surface Water**
2005-2012
Avery Dennison Site
Flowery Branch, GA

| VOC (µg/L) | In-stream Water Quality Criteria | Location ID: SW-6 Sample Date: 10/20/2009 | SW-6 5/27/2010 | SW-6 11/1/2010 | SW-6 2/6/2011 | SW-6 10/26/2011 | SW-6 4/26/2012 | SW-6 10/17/2012 |
|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | - | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethane | - | ND < 1 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 | ND < 5 |
| 1,1-Dichloroethene | 7100 | ND < 1 | ND < 5 | ND < 2 | ND < 2 | ND < 2 | ND < 2 | ND < 2 |
| 1,4-Dioxane | - | ND < 150 | ND < 250 | ND < 250 | ND < 250 | ND < 2 | ND < 2 | ND < 2 |

Notes:

1) All concentrations are expressed in micrograms per liter (µg/L).

2) "-" indicates no in-stream water quality criteria.

3) Non-Detects are expressed as "ND < #", where # is the laboratory PQL.

4) In-stream Water Quality Criteria from Georgia Rules & Regulations for Water Quality Control Chapter 391-3-6.03 (rev June 5, 2011).

5) Of the compounds detected in site surface water, only 1,1-Dichlorethene has an in-stream water quality criterion.

6) Detections of 1,1-Dichloroethene in excess of In-Stream Water Quality Criteria are shown in bold and shaded.

**Table 3-4**
**Summary of Risk Reduction Standards Exceedances in Groundwater**
2004 - 2012
Avery Dennison Facility
Flowery Branch, Georgia

| Well | Sample Date | Compound | Type 3/4 RRS | Result | Units |
|---|---|---|---|---|---|
| BR-6 | 6/8/2005 | 1,1-Dichloroethene | 520 | 530 | µg/L |
| BR-6 | 6/23/2006 | 1,1-Dichloroethene | 520 | 2800 | µg/L |
| BR-6 | 6/23/2006 | Vinyl chloride | 3 | 3.7 | µg/L |
| BR-6 | 10/9/2006 | 1,1-Dichloroethene | 520 | 2100 | µg/L |
| BR-6 | 2/20/2007 | 1,1-Dichloroethene | 520 | 2100 | µg/L |
| BR-6 | 5/19/2007 | 1,1-Dichloroethene | 520 | 2100 | µg/L |
| BR-6 | 5/19/2007 | 1,1-Dichloroethene | 520 | 2600 | µg/L |
| BR-6 | 10/27/2007 | 1,1-Dichloroethene | 520 | 1300 | µg/L |
| BR-6 | 10/31/2007 | 1,1-Dichloroethene | 520 | 2300 | µg/L |
| BR-6 | 10/31/2007 | 1,1-Dichloroethene | 520 | 2300 | µg/L |
| BR-6 | 10/31/2007 | 1,1-Dichloroethene | 520 | 1100 | µg/L |
| BR-6 | 10/31/2007 | 1,1-Dichloroethene | 520 | 3500 | µg/L |
| BR-6 | 10/31/2007 | 1,1-Dichloroethene | 520 | 1500 | µg/L |
| BR-6 | 10/31/2007 | 1,1-Dichloroethene | 520 | 2000 | µg/L |
| BR-6 | 11/1/2007 | 1,1-Dichloroethene | 520 | 2200 | µg/L |
| BR-6 | 11/1/2007 | 1,1-Dichloroethene | 520 | 2000 | µg/L |
| BR-20 | 11/3/2007 | 1,1-Dichloroethene | 520 | 2800 | µg/L |
| BR-20 | 11/3/2007 | Vinyl chloride | 3 | 5.6 | µg/L |
| BR-20 | 6/8/2009 | 1,1-Dichloroethene | 520 | 1080 | µg/L |
| BR-20 | 10/15/2009 | 1,1-Dichloroethene | 520 | 1400 | µg/L |
| BR-20 | 2/7/2011 | 1,1-Dichloroethene | 520 | 920 | µg/L |
| BR-20 | 10/19/2011 | 1,1-Dichloroethene | 520 | 710 | µg/L |
| BR-20 | 4/22/2012 | 1,1-Dichloroethene | 520 | 950 | µg/L |
| BR-20 | 10/18/2012 | 1,1-Dichloroethene | 520 | 690 | µg/L |
| BR-21 | 11/3/2007 | 1,1-Dichloroethene | 520 | 1700 | µg/L |
| BR-21 | 6/4/2009 | 1,1-Dichloroethene | 520 | 570 | µg/L |
| BR-21 | 10/18/2011 | 1,1-Dichloroethene | 520 | 680 | µg/L |
| BR-21 | 4/25/2012 | 1,1-Dichloroethene | 520 | 560 | µg/L |
| BR-21 | 10/21/2012 | 1,1-Dichloroethene | 520 | 770 | µg/L |
| BR-21 | 10/21/2012 | 1,1-Dichloroethene | 520 | 760 | µg/L |
| MW-12 | 11/3/2004 | Vinyl chloride | 3 | 5.6 | µg/L |
| MW-12 | 5/20/2005 | Vinyl chloride | 3 | 4.4 | µg/L |
| MW-12 | 6/23/2006 | Vinyl chloride | 3 | 9.4 | µg/L |
| MW-12 | 10/9/2006 | Vinyl chloride | 3 | 4.7 | µg/L |
| MW-12 | 2/21/2007 | Vinyl chloride | 3 | 12 | µg/L |
| MW-12 | 5/19/2007 | Vinyl chloride | 3 | 14 | µg/L |
| MW-12 | 10/25/2007 | Vinyl chloride | 3 | 21 | µg/L |
| MW-12 | 6/6/2009 | Vinyl chloride | 3 | 4.7 | µg/L |
| MW-18D | 7/2/2002 | 1,1-Dichloroethene | 520 | 680 | µg/L |
| MW-18D | 4/22/2003 | 1,1-Dichloroethene | 520 | 1200 | µg/L |
| MW-18D | 8/1/2003 | 1,1-Dichloroethene | 520 | 650 | µg/L |
| MW-18D | 11/5/2004 | 1,1-Dichloroethene | 520 | 2300 | µg/L |
| MW-18D | 11/5/2004 | 1,1-Dichloroethene | 520 | 2200 | µg/L |
| MW-18D | 5/21/2005 | 1,1-Dichloroethene | 520 | 1100 | µg/L |
| MW-18D | 5/21/2005 | 1,1-Dichloroethene | 520 | 990 | µg/L |
| MW-18D | 6/24/2006 | 1,1-Dichloroethene | 520 | 3600 | µg/L |
| MW-18D | 10/9/2006 | 1,1-Dichloroethene | 520 | 3100 | µg/L |
| MW-18D | 10/9/2006 | 1,2-Dichloroethane | 5 | 6.6 | µg/L |
| MW-18D | 2/21/2007 | 1,1-Dichloroethene | 520 | 3500 | µg/L |
| MW-18D | 2/21/2007 | 1,2-Dichloroethane | 5 | 6.8 | µg/L |
| MW-18D | 5/19/2007 | 1,1-Dichloroethene | 520 | 3000 | µg/L |
| MW-18D | 5/19/2007 | 1,1-Dichloroethene | 520 | 4100 | µg/L |
| MW-18D | 10/27/2007 | 1,1-Dichloroethene | 520 | 3000 | µg/L |
| MW-18D | 10/27/2007 | 1,2-Dichloroethane | 5 | 5.6 | µg/L |
| MW-18D | 6/4/2009 | 1,1-Dichloroethene | 520 | 1300 | µg/L |
| MW-18D | 10/14/2009 | 1,1-Dichloroethene | 520 | 1190 | µg/L |

**Table 3-4**
**Summary of Risk Reduction Standards Exceedances in Groundwater**
2004 - 2012
Avery Dennison Facility
Flowery Branch, Georgia

| Well | Sample Date | Compound | Type 3/4 RRS | Result | Units |
|---|---|---|---|---|---|
| MW-19D | 6/22/2006 | 1,1-Dichloroethene | 520 | 2300 | µg/L |
| MW-19D | 6/22/2006 | Vinyl chloride | 3 | 4.2 | µg/L |
| MW-19D | 10/7/2006 | 1,1-Dichloroethene | 520 | 2700 | µg/L |
| MW-19D | 10/7/2006 | Vinyl chloride | 3 | 3.7 | µg/L |
| MW-19D | 2/20/2007 | 1,1-Dichloroethene | 520 | 2300 | µg/L |
| MW-19D | 5/19/2007 | 1,1-Dichloroethene | 520 | 2200 | µg/L |
| MW-19D | 10/27/2007 | 1,1-Dichloroethene | 520 | 1200 | µg/L |
| MW-19D | 10/27/2007 | Vinyl chloride | 3 | 3.5 | µg/L |
| MW-23 | 11/4/2004 | 1,1-Dichloroethene | 520 | 780 | µg/L |
| MW-23 | 11/4/2004 | Vinyl chloride | 3 | 16 | µg/L |
| MW-23 | 5/20/2005 | Vinyl chloride | 3 | 8.9 | µg/L |
| MW-23 | 6/23/2006 | Vinyl chloride | 3 | 7.7 | µg/L |
| MW-23 | 10/7/2006 | Vinyl chloride | 3 | 6.9 | µg/L |
| MW-23 | 5/17/2007 | Vinyl chloride | 3 | 5.3 | µg/L |
| MW-23 | 10/25/2007 | Vinyl chloride | 3 | 23 | µg/L |
| MW-23 | 10/16/2009 | Vinyl chloride | 3 | 9.5 | µg/L |
| MW-23 | 11/4/2010 | Vinyl chloride | 3 | 13 | µg/L |
| MW-23 | 10/25/2011 | Vinyl chloride | 3 | 12 | µg/L |
| MW-23 | 10/18/2012 | Vinyl chloride | 3 | 22 | µg/L |
| MW-3 | 2/2/2002 | 1,1-Dichloroethene | 520 | 1700 | µg/L |
| MW-3 | 4/23/2003 | 1,1-Dichloroethene | 520 | 4000 | µg/L |
| MW-3 | 8/4/2003 | 1,1-Dichloroethene | 520 | 2800 | µg/L |
| MW-3 | 11/4/2004 | 1,1-Dichloroethene | 520 | 2300 | µg/L |
| MW-3 | 11/4/2004 | Vinyl chloride | 3 | 9.2 | µg/L |
| MW-3 | 5/19/2005 | 1,1-Dichloroethene | 520 | 3800 | µg/L |
| MW-3 | 5/19/2005 | Vinyl chloride | 3 | 8.9 | µg/L |
| MW-3 | 6/23/2006 | 1,1-Dichloroethene | 520 | 2300 | µg/L |
| MW-3 | 6/23/2006 | Vinyl chloride | 3 | 12 | µg/L |
| MW-3 | 10/9/2006 | 1,1-Dichloroethene | 520 | 2000 | µg/L |
| MW-3 | 10/9/2006 | Vinyl chloride | 3 | 20 | µg/L |
| MW-3 | 2/21/2007 | 1,1-Dichloroethene | 520 | 2500 | µg/L |
| MW-3 | 2/21/2007 | Vinyl chloride | 3 | 8.3 | µg/L |
| MW-3 | 5/18/2007 | 1,1-Dichloroethene | 520 | 2300 | µg/L |
| MW-3 | 5/18/2007 | Vinyl chloride | 3 | 9.7 | µg/L |
| MW-3 | 10/25/2007 | 1,1-Dichloroethene | 520 | 1000 | µg/L |
| MW-3 | 6/5/2009 | 1,1-Dichloroethene | 520 | 1260 | µg/L |
| MW-3 | 10/18/2009 | 1,1-Dichloroethene | 520 | 1140 | µg/L |
| MW-3 | 5/27/2010 | 1,1-Dichloroethene | 520 | 690 | µg/L |
| MW-36D | 5/21/2005 | 1,1-Dichloroethene | 520 | 7800 | µg/L |
| MW-36D | 5/21/2005 | 1,2-Dichloroethane | 5 | 17 | µg/L |
| MW-36D | 5/21/2005 | 1,1-Dichloroethene | 520 | 8100 | µg/L |
| MW-36D | 5/21/2005 | 1,2-Dichloroethane | 5 | 18 | µg/L |
| MW-36D | 6/24/2006 | 1,1-Dichloroethene | 520 | 3900 | µg/L |
| MW-36D | 10/8/2006 | 1,1-Dichloroethene | 520 | 3400 | µg/L |
| MW-36D | 10/8/2006 | 1,2-Dichloroethane | 5 | 6.8 | µg/L |
| MW-36D | 2/21/2007 | 1,1-Dichloroethene | 520 | 2500 | µg/L |
| MW-36D | 5/19/2007 | 1,1-Dichloroethene | 520 | 4300 | µg/L |
| MW-36D | 5/19/2007 | 1,1-Dichloroethene | 520 | 3500 | µg/L |
| MW-36D | 10/30/2007 | 1,1-Dichloroethene | 520 | 3200 | µg/L |
| MW-36D | 6/3/2009 | 1,1-Dichloroethene | 520 | 1200 | µg/L |
| MW-36D | 10/15/2009 | 1,1-Dichloroethene | 520 | 1540 | µg/L |
| MW-36D | 2/7/2011 | Vinyl chloride | 3 | 4 | µg/L |
| MW-36S | 5/21/2005 | Vinyl chloride | 3 | 25 | µg/L |
| MW-36S | 6/24/2006 | Vinyl chloride | 3 | 16 | µg/L |
| MW-36S | 6/24/2006 | Vinyl chloride | 3 | 12 | µg/L |
| MW-36S | 10/8/2006 | Vinyl chloride | 3 | 22 | µg/L |

**Table 3-4**
**Summary of Risk Reduction Standards Exceedances in Groundwater**
2004 - 2012
Avery Dennison Facility
Flowery Branch, Georgia

| Well | Sample Date | Compound | Type 3/4 RRS | Result | Units |
|---|---|---|---|---|---|
| MW-36S | 10/8/2006 | Vinyl chloride | 3 | 22 | µg/L |
| MW-36S | 2/20/2007 | Vinyl chloride | 3 | 11 | µg/L |
| MW-36S | 2/20/2007 | Vinyl chloride | 3 | 19 | µg/L |
| MW-36S | 5/19/2007 | Vinyl chloride | 3 | 7.4 | µg/L |
| MW-36S | 5/19/2007 | Vinyl chloride | 3 | 14 | µg/L |
| MW-36S | 5/19/2007 | Vinyl chloride | 3 | 15 | µg/L |
| MW-36S | 10/30/2007 | Vinyl chloride | 3 | 13 | µg/L |
| MW-36S | 10/30/2007 | Vinyl chloride | 3 | 14 | µg/L |
| MW-37 | 5/21/2005 | 1,1-Dichloroethene | 520 | 1100 | µg/L |
| MW-37 | 6/23/2006 | 1,1-Dichloroethene | 520 | 2200 | µg/L |
| MW-37 | 10/9/2006 | 1,1-Dichloroethene | 520 | 2800 | µg/L |
| MW-37 | 2/21/2007 | 1,1-Dichloroethene | 520 | 1400 | µg/L |
| MW-37 | 5/19/2007 | 1,1-Dichloroethene | 520 | 2800 | µg/L |
| MW-37 | 6/4/2009 | 1,1-Dichloroethene | 520 | 780 | µg/L |
| MW-37 | 10/14/2009 | 1,1-Dichloroethene | 520 | 586 | µg/L |
| MW-42 | 10/6/2006 | 1,1-Dichloroethene | 520 | 680 | µg/L |
| MW-42 | 5/17/2007 | 1,1-Dichloroethene | 520 | 800 | µg/L |
| MW-42 | 5/17/2007 | 1,1-Dichloroethene | 520 | 720 | µg/L |
| MW-42 | 10/27/2007 | 1,1-Dichloroethene | 520 | 970 | µg/L |
| MW-42 | 10/18/2011 | 1,1-Dichloroethene | 520 | 1000 | µg/L |
| MW-42 | 10/21/2012 | 1,1-Dichloroethene | 520 | 560 | µg/L |
| MW-47S | 2/8/2011 | Vinyl chloride | 3 | 4 | µg/L |
| MW-47S | 4/19/2012 | Vinyl chloride | 3 | 11 | µg/L |
| MW-47S | 10/19/2012 | Vinyl chloride | 3 | 14 | µg/L |
| MW-48D | 10/26/2007 | 1,1-Dichloroethene | 520 | 1500 | µg/L |
| MW-48D | 6/2/2009 | 1,1-Dichloroethene | 520 | 1400 | µg/L |
| MW-48D | 5/26/2010 | 1,1-Dichloroethene | 520 | 1000 | µg/L |
| MW-48D | 5/26/2010 | 1,4-Dioxane | 70 | 260 | µg/L |
| MW-48D | 11/4/2010 | 1,1-Dichloroethene | 520 | 1300 | µg/L |
| MW-48D | 11/4/2010 | 1,4-Dioxane | 70 | 470 | µg/L |
| MW-48D | 2/8/2011 | 1,1-Dichloroethene | 520 | 1400 | µg/L |
| MW-48D | 2/8/2011 | 1,4-Dioxane | 70 | 480 | µg/L |
| MW-48D | 10/25/2011 | 1,4-Dioxane | 70 | 460 | µg/L |
| MW-48D | 10/25/2011 | 1,1-Dichloroethene | 520 | 1400 | µg/L |
| MW-48D | 4/18/2012 | 1,4-Dioxane | 70 | 410 | µg/L |
| MW-48D | 4/18/2012 | 1,1-Dichloroethene | 520 | 960 | µg/L |
| MW-48D | 10/18/2012 | 1,4-Dioxane | 70 | 270 | µg/L |
| MW-48D | 10/18/2012 | 1,1-Dichloroethene | 520 | 970 | µg/L |
| MW-48S | 10/26/2007 | 1,1-Dichloroethene | 520 | 2200 | µg/L |
| MW-48S | 10/26/2007 | Vinyl chloride | 3 | 7.7 | µg/L |
| MW-48S | 6/2/2009 | 1,1-Dichloroethene | 520 | 1100 | µg/L |
| MW-48S | 5/26/2010 | Vinyl chloride | 3 | 6 | µg/L |
| MW-48S | 5/26/2010 | 1,1-Dichloroethene | 520 | 1100 | µg/L |
| MW-48S | 11/4/2010 | Vinyl chloride | 3 | 6 | µg/L |
| MW-48S | 11/4/2010 | 1,1-Dichloroethene | 520 | 1100 | µg/L |
| MW-48S | 11/4/2010 | 1,4-Dioxane | 70 | 460 | µg/L |
| MW-48S | 11/4/2010 | Vinyl chloride | 3 | 6 | µg/L |
| MW-48S | 11/4/2010 | 1,1-Dichloroethene | 520 | 1100 | µg/L |
| MW-48S | 11/4/2010 | 1,4-Dioxane | 70 | 450 | µg/L |
| MW-48S | 2/8/2011 | Vinyl chloride | 3 | 6 | µg/L |
| MW-48S | 2/8/2011 | 1,1-Dichloroethene | 520 | 750 | µg/L |
| MW-48S | 2/8/2011 | Vinyl chloride | 3 | 5 | µg/L |
| MW-48S | 2/8/2011 | 1,1-Dichloroethene | 520 | 670 | µg/L |
| MW-48S | 10/25/2011 | 1,4-Dioxane | 70 | 260 | µg/L |
| MW-48S | 10/25/2011 | Vinyl chloride | 3 | 6 | µg/L |
| MW-48S | 10/25/2011 | 1,1-Dichloroethene | 520 | 1100 | µg/L |

**Table 3-4**
**Summary of Risk Reduction Standards Exceedances in Groundwater**
2004 - 2012
Avery Dennison Facility
Flowery Branch, Georgia

| Well | Sample Date | Compound | Type 3/4 RRS | Result | Units |
|---|---|---|---|---|---|
| MW-48S | 10/25/2011 | 1,4-Dioxane | 70 | 280 | µg/L |
| MW-48S | 10/25/2011 | Vinyl chloride | 3 | 6 | µg/L |
| MW-48S | 10/25/2011 | 1,1-Dichloroethene | 520 | 1000 | µg/L |
| MW-48S | 4/18/2012 | 1,4-Dioxane | 70 | 250 | µg/L |
| MW-48S | 4/18/2012 | Vinyl chloride | 3 | 6 | µg/L |
| MW-48S | 4/18/2012 | 1,1-Dichloroethene | 520 | 910 | µg/L |
| MW-48S | 4/18/2012 | 1,4-Dioxane | 70 | 280 | µg/L |
| MW-48S | 4/18/2012 | Vinyl chloride | 3 | 6 | µg/L |
| MW-48S | 4/18/2012 | 1,1-Dichloroethene | 520 | 890 | µg/L |
| MW-48S | 10/18/2012 | 1,4-Dioxane | 70 | 180 | µg/L |
| MW-48S | 10/18/2012 | Vinyl chloride | 3 | 5 | µg/L |
| MW-48S | 10/18/2012 | 1,1-Dichloroethene | 520 | 880 | µg/L |
| MW-48S | 10/18/2012 | 1,4-Dioxane | 70 | 150 | µg/L |
| MW-48S | 10/18/2012 | Vinyl chloride | 3 | 5 | µg/L |
| MW-48S | 10/18/2012 | 1,1-Dichloroethene | 520 | 860 | µg/L |
| MW-50D | 10/29/2007 | 1,1-Dichloroethene | 520 | 570 | µg/L |
| MW-54D | 10/27/2007 | 1,1-Dichloroethene | 520 | 800 | µg/L |
| MW-54D | 6/4/2009 | 1,1-Dichloroethene | 520 | 1100 | µg/L |
| MW-54D | 2/6/2011 | 1,1-Dichloroethene | 520 | 660 | µg/L |
| MW-54D | 10/18/2011 | 1,1-Dichloroethene | 520 | 580 | µg/L |
| MW-54D | 10/21/2012 | 1,1-Dichloroethene | 520 | 850 | µg/L |
| MW-57D | 10/30/2007 | 1,1-Dichloroethene | 520 | 16000 | µg/L |
| MW-57D | 10/30/2007 | 1,2-Dichloroethane | 5 | 36 | µg/L |
| MW-57D | 10/30/2007 | Trichloroethene | 5 | 39 | µg/L |
| MW-57D | 6/4/2009 | 1,1-Dichloroethene | 520 | 5600 | µg/L |
| MW-57D | 2/7/2011 | 1,1-Dichloroethene | 520 | 1100 | µg/L |
| MW-57D | 10/20/2011 | 1,1-Dichloroethene | 520 | 740 | µg/L |
| MW-57D | 4/22/2012 | 1,1-Dichloroethene | 520 | 1700 | µg/L |
| MW-57D | 10/20/2012 | 1,1-Dichloroethene | 520 | 2400 | µg/L |
| MW-57D | 10/20/2012 | 1,2-Dichloroethane | 5 | 7 | µg/L |
| MW-57I | 10/20/2011 | 1,1-Dichloroethene | 520 | 1300 | µg/L |
| MW-57I | 4/22/2012 | 1,1-Dichloroethene | 520 | 3000 | µg/L |
| MW-57I | 4/22/2012 | 1,2-Dichloroethane | 5 | 13 | µg/L |
| MW-57I | 10/21/2012 | 1,1-Dichloroethene | 520 | 3600 | µg/L |
| MW-58S | 6/3/2009 | 1,1-Dichloroethene | 520 | 1500 | µg/L |
| MW-58S | 6/3/2009 | Vinyl chloride | 3 | 69 | µg/L |
| MW-58S | 2/7/2011 | Vinyl chloride | 3 | 6 | µg/L |
| MW-58S | 10/21/2011 | Vinyl chloride | 3 | 6 | µg/L |
| MW-58S | 4/25/2012 | Vinyl chloride | 3 | 7 | µg/L |
| MW-58S | 10/22/2012 | Vinyl chloride | 3 | 5 | µg/L |
| MW-59D | 10/22/2012 | 1,1-Dichloroethene | 520 | 540 | µg/L |
| MW-60D | 10/28/2007 | 1,1-Dichloroethene | 520 | 4100 | µg/L |
| MW-60D | 10/28/2007 | 1,2-Dichloroethane | 5 | 9.4 | µg/L |
| MW-60D | 6/4/2009 | 1,1-Dichloroethene | 520 | 1500 | µg/L |
| MW-60D | 10/15/2009 | 1,1-Dichloroethene | 520 | 2250 | µg/L |
| MW-60D | 2/7/2011 | 1,1-Dichloroethene | 520 | 1300 | µg/L |
| MW-60D | 10/21/2011 | 1,1-Dichloroethene | 520 | 1100 | µg/L |
| MW-60D | 4/22/2012 | 1,1-Dichloroethene | 520 | 610 | µg/L |
| MW-60D | 10/18/2012 | 1,1-Dichloroethene | 520 | 730 | µg/L |
| MW-63 | 10/14/2009 | 1,1-Dichloroethene | 520 | 941 | µg/L |
| MW-63 | 11/3/2010 | 1,1-Dichloroethene | 520 | 670 | µg/L |
| MW-63 | 2/4/2011 | 1,1-Dichloroethene | 520 | 660 | µg/L |
| MW-64 | 6/8/2009 | 1,1-Dichloroethene | 520 | 1960 | µg/L |
| MW-64 | 10/14/2009 | 1,1-Dichloroethene | 520 | 2540 | µg/L |
| MW-64 | 5/27/2010 | 1,1-Dichloroethene | 520 | 2100 | µg/L |
| MW-64 | 11/3/2010 | 1,1-Dichloroethene | 520 | 2500 | µg/L |

**Table 3-4**
**Summary of Risk Reduction Standards Exceedances in Groundwater**
2004 - 2012
Avery Dennison Facility
Flowery Branch, Georgia

| Well | Sample Date | Compound | Type 3/4 RRS | Result | Units |
|---|---|---|---|---|---|
| MW-64 | 2/4/2011 | 1,1-Dichloroethene | 520 | 1900 | µg/L |
| MW-65S | 6/8/2009 | 1,1,2-Trichloroethane | 5 | 6.9 | µg/L |
| MW-65S | 6/8/2009 | 1,1-Dichloroethene | 520 | 7970 | µg/L |
| MW-65S | 6/8/2009 | 1,2-Dichloroethane | 5 | 23.7 | µg/L |
| MW-65S | 6/8/2009 | Vinyl chloride | 3 | 12.5 | µg/L |
| MW-65S | 5/27/2010 | Vinyl chloride | 3 | 7 | µg/L |
| MW-65S | 5/27/2010 | 1,1-Dichloroethene | 520 | 10000 | µg/L |
| MW-65S | 5/27/2010 | 1,2-Dichloroethane | 5 | 31 | µg/L |
| MW-65S | 5/27/2010 | 1,1,2-Trichloroethane | 5 | 10 | µg/L |
| MW-65S | 5/27/2010 | 1,4-Dioxane | 70 | 790 | µg/L |
| MW-65S | 11/3/2010 | Vinyl chloride | 3 | 20 | µg/L |
| MW-65S | 11/3/2010 | 1,1-Dichloroethene | 520 | 10000 | µg/L |
| MW-65S | 11/3/2010 | 1,2-Dichloroethane | 5 | 38 | µg/L |
| MW-65S | 11/3/2010 | 1,1,2-Trichloroethane | 5 | 12 | µg/L |
| MW-65S | 11/3/2010 | 1,4-Dioxane | 70 | 1600 | µg/L |
| MW-65S | 2/4/2011 | Vinyl chloride | 3 | 9 | µg/L |
| MW-65S | 2/4/2011 | 1,1-Dichloroethene | 520 | 11000 | µg/L |
| MW-65S | 2/4/2011 | 1,2-Dichloroethane | 5 | 28 | µg/L |
| MW-65S | 2/4/2011 | 1,1,2-Trichloroethane | 5 | 11 | µg/L |
| MW-65S | 2/4/2011 | 1,4-Dioxane | 70 | 1300 | µg/L |
| SBW-4 | 10/17/2012 | Vinyl chloride | 3 | 17 | µg/L |
| SBW-4 | 10/17/2012 | Vinyl chloride | 3 | 16 | µg/L |
| SBW-6 | 6/25/2006 | Vinyl chloride | 3 | 18 | µg/L |
| SBW-6 | 10/10/2006 | Vinyl chloride | 3 | 21 | µg/L |
| SBW-9 | 6/25/2006 | Vinyl chloride | 3 | 21 | µg/L |
| SBW-9 | 10/10/2006 | Vinyl chloride | 3 | 11 | µg/L |
| SBW-9 | 2/22/2007 | 1,1-Dichloroethene | 520 | 580 | µg/L |
| SBW-9 | 2/22/2007 | Vinyl chloride | 3 | 5.5 | µg/L |
| SBW-9 | 5/19/2007 | 1,1-Dichloroethene | 520 | 790 | µg/L |
| SBW-9 | 5/19/2007 | Vinyl chloride | 3 | 13 | µg/L |
| SBW-9 | 10/24/2007 | Vinyl chloride | 3 | 13 | µg/L |
| SBW-9 | 5/27/2010 | 1,4-Dioxane | 70 | 73 | µg/L |
| SBW-9 | 2/6/2011 | 1,1-Dichloroethene | 520 | 650 | µg/L |
| SBW-9 | 10/26/2011 | 1,4-Dioxane | 70 | 150 | µg/L |
| SBW-9 | 4/26/2012 | 1,4-Dioxane | 70 | 130 | µg/L |
| SBW-9 | 10/17/2012 | 1,4-Dioxane | 70 | 160 | µg/L |

# APPENDIX A
# JUNE 5, 2012 VIRPA APPROVAL AND COMMENT LETTERS BY EPD

Georgia Department of Natural Resources
2 Martin Luther King, Jr. Dr., S.E., Suite 1066 East, Atlanta, Georgia 30334
Mark Williams, Commissioner
Environmental Protection Division
Judson H. Turner, Director
Land Protection Branch
Keith M. Bentley, Chief

**Reply To:**
Response and Remediation Program
2 Martin Luther King, Jr. Drive, S.E.
Suite 1462, East Tower
Atlanta, Georgia 30334-9000
Office 404/657-8600 Fax 404-657-0807

June 5, 2012

**VIA EMAIL & REGULAR MAIL**

Avery Dennison
c/o Mr. Bruce Martin
7 Bishop Street
Framingham, MA 01702
508-303-3010

Re: December 23, 2011 Voluntary Remediation Plan Application
Avery Dennison, HSI #10578
Flowery Branch, Hall County, GA
Tax Parcel ID 08073 000003D

Dear Mr. Martin:

The Georgia Environmental Protection Division (EPD) has received the December 2011 Voluntary Remediation Program (VRP) application that has been submitted pursuant to the Georgia Voluntary Remediation Program Act (the Act) O.C.G.A. 12-8-100. EPD acknowledges that this VRP application was submitted in lieu of a Corrective Action Plan (CAP) Addendum and Revised Compliance Status Report required pursuant to the Georgia Rules for Hazardous Site Response (the Rules) for the above referenced property. EPD is approving your VRP application, which specifies corrective action consisting of the following:

- Execute institutional controls in the form of environmental covenants on the qualifying property(ies) in conformance with O.C.G.A. 44-16-1, et seq., the 'Georgia Uniform Environmental Covenants Act'.

- Vapor Intrusion mitigation by Engineering Controls commenced through the design and installation of a Multi-Phase Extraction (MPE) System.

- Conduct additional groundwater and surface water monitoring activities, the results of which are to be compiled and evaluated in order to develop a Point of Demonstration Monitoring Plan.

Therefore, EPD is accepting Avery Dennison Corporation (Avery) as a participant as defined in the Act for the following qualifying property provided Avery implements the VRP application in compliance with the following schedule and conditions:

Qualifying property:

Avery Dennison Corporation Site
4350 Avery Drive
Flowery Branch, Hall County, Georgia 30542
Tax Parcel ID 08073 000003D

Within six months of detecting regulated substance(s) on a non-qualifying property, the participant must apply to EPD to include the affected property as a qualifying property under the Act or notify EPD that the non-qualifying property is not included under the Act. Consequently, please note that the currently available site information indicates that site related contaminants have been detected on the adjacent Wrigley property on the southwestern border of the Avery Dennison property. Therefore, please ensure that the first semiannual progress report includes a description of this Wrigley property as an additional qualifying property, along with a supporting site figure that illustrates the extent of this property or notify EPD that the Wrigley property will not be included under the Act.

Schedule:

- Semiannual progress reports are to be submitted to EPD. Each progress report must describe all actions taken since the last submittal, and include certification by the professional engineer/geologist specified in the VRP application along with a monthly summary of hours invoiced and description of services provided since the last submittal.
    - December 5th and June 5th through December 5, 2016

  In addition to the information required above, the following must be included in the specific progress reports discussed below.

    - June 5, 2013 semiannual progress report must include the Point of Demonstration Monitoring Plan, and the design plans for the MPE System;
    - June 5, 2014 semiannual progress report must demonstrate complete horizontal delineation on all impacted properties; and,
    - December 5, 2014 semiannual progress report must demonstrate complete horizontal and vertical delineation, finalize the remediation plan and provide a cost estimate for implementation of remediation and associated continuing actions. EPD recommends that participant finalize approval of cleanup standards for all regulated substances prior to this submittal.

- Compliance status report including certifications by no later than:
    - June 5, 2017

Conditions:

1) EPD requests the submittal of a cost estimate to complete the work proposed in the VRP application through the CSR submittal and a financial assurance instrument in that amount by no later than September 5, 2012. Model financial assurance instruments can be located at http://www.gaepd.org/Files_PDF/forms/hwb/HSIModel.pdf.

2) Avery must address EPD's comments dated June 5, 2012 and any other comments addressing the investigation and remediation pursuant to the Act to the satisfaction of the Director that it is consistent with the provisions, purposes, standards and policies of the Act.

3) Within ninety (90) days of Avery's notice to withdraw from the Voluntary Remediation Program or termination by the Director pursuant to §12-8-107(d) of the Act, Avery must submit the required Corrective Action Plan Addendum or a compliance status report that complies with the requirements of the Hazardous Site Response Act and associated Rules for Hazardous Site Response.

4) Avery must pay all outstanding fees within sixty (60) days of receipt of an invoice for any costs to the division in reviewing the application or subsequent document the exceeds the initial application fee.

EPD requires that Avery, and the professional engineer/geologist specified in the VRP application, oversee the implementation of the VRP investigation and corrective action activities in accordance with the provisions, purposes, standards and policies of the Act. EPD may, at its sole discretion, review and comment on documents submitted by Avery. However, failure of EPD to respond to a submittal within any timeframe does not relieve Avery from complying with the specified schedule and the provisions, purposes, standards and policies of the Act. Should Avery fail to comply with the above schedule, EPD may terminate enrollment of the participant and the qualifying property from the voluntary remediation program.

EPD's approval of the VRP application extends only to those technical aspects of the document that expressly require EPD approval under applicable rules and statutes. This approval is not an endorsement by EPD that it accepts as conclusive any representations made in the document. Nor does EPD guarantee or warrant that the document is free of errors or omissions. EPD may later withdraw approval of this document, in whole or in part, if EPD determines that withdrawal is necessary to ensure compliance with the applicable rules and statutes.

Should you have any question or concerns regarding this site, please contact Mr. Kevin Collins of the Response and Remediation Program at (404) 657-0488.

Sincerely,

David Brownlee
Acting Program Manager
Response and Remediation Program

c: Glen Kirkpatrick, The Johnson Company

File: VRP Application 937335292 – Avery Dennison Site #10578
S:\RDRIVE\KevinC\RRP Projects\VRP Applications\10578-Avery Dennison\10578-Dec 2011 VRP Approval.doc

Georgia Department of Natural Resources
2 Martin Luther King, Jr. Dr., S.E., Suite 1066 East, Atlanta, Georgia 30334
Mark Williams, Commissioner
Environmental Protection Division
Judson H. Turner, Director
Land Protection Branch
Keith M. Bentley, Chief

**Reply To:**
Response and Remediation Program
2 Martin Luther King, Jr. Drive, S.E.
Suite 1462, East Tower
Atlanta, Georgia 30334-9000
Office 404/657-8600 Fax 404-657-0807

June 5, 2012

**VIA EMAIL & REGULAR MAIL**

Avery Dennison
c/o Mr. Bruce Martin
7 Bishop Street
Framingham, MA 01702
508-383-3010

Re: December 23, 2011 Voluntary Remediation Plan Application
Avery Dennison, HSI #10578
Flowery Branch, Hall County, GA
Tax Parcel ID 08073 000003D

Dear Mr. Martin:

The Georgia Environmental Protection Division (EPD) has received the December 23, 2011, Voluntary Remediation Program application that has been submitted pursuant to the Georgia Voluntary Remediation Program Act (the Act) O.C.G.A. 12-8-100, by the Johnson Company on behalf of Avery Dennison. After completing its review of the application, EPD has prepared the following comments:

Conceptual Site Model (CSM):

1) Please note that the vapor extraction phase of the multi-phase extraction (MPE) corrective action must continue until such time that the subsurface impacts no longer represent a potential risk to the vapor intrusion pathway, i.e. indoor and subslab air quality as it relates directly to land use determinations. This may require an evaluation of the indoor vapor intrusion pathway at some point in the future in order to establish criteria for the completion of the noted corrective action. EPD recommends that the environmental covenant placed on the property incorporate the appropriate verbiage to address this particular concern.

2) Please note that the May 2010 Corrective Action Plan (CAP) for the site included plans for designing a full-scale application of a MPE/pump & treat corrective action for the southern/western source areas in order to achieve hydraulic containment of the groundwater plume, onsite active remediation & treatment, and permitted discharge. The VRP application did not clearly indicate if the VRP Status Update Report would include design plans for the installation of a groundwater pump & treat component of the Multi-Phase Extraction System to address the groundwater impacts in the western source area of the site. Please provide clarification as to whether or not this particular corrective action component will be included in the VRP remedial action plan, as it may influence the result of the aforementioned modeling and potential for impact(s) to the downgradient surface water feature.

3) Please include the evaluation of the exposure pathway for the utility worker/construction worker scenario during onsite/offsite subsurface activities, and if necessary develop an operation & maintenance (O&M) plan to protect the integrity of these areas and restrict future exposure.

4) According the data for the subject site, the downgradient creek is considered a discharge point for the impacted groundwater migrating from the subject site. While surface water data has been provided as part of the VRP Application to illustrate that there have been no impacts above the In-Stream Water Quality Standards (ISWQS), additional information must be provided to address concerns associated with this complete exposure pathway, including but not limited to the following:

   i. Sections 6 and 7 of the VRP Application indicated that a point of demonstration monitoring plan would be included as part of the Status Update Report. Please ensure that this plan establishes a clear Point of Exposure (POE) and associated Point of Demonstration (POD) for the surface water exposure pathway and associated groundwater contaminant plume.

   ii. In the event that the MPE system design plan does not incorporate a western source area pump & treat component, please provide a groundwater model to demonstrate the current and/or future potential for groundwater impacts to migrate to and potentially discharge to the stream at concentrations greater than the ISWQS for the constituents of concern. Long-term surface water monitoring at the POD/POE may be required should the modeling indicate continued exposure potential from a long-term remnant source area plume. These sampling requirements, if necessary, can be included as part of the environmental covenants for the site.

   iii. Please note that based on the below listed Ecological Screening Assessment comments associated with the downgradient stream, EPD does not currently agree that an exposure risk does not exist for the surface water exposure pathway and additional information will be required.

   iv. Please ensure that the environmental covenants that are to be placed on the qualifying property(ies) include a stipulation that the remedial goals and associated in-stream water quality for the downgradient stream will comply with the requirements and criteria established within the Georgia Rules for Water Quality Control (Rule 391-3-6) and associated Georgia Water Quality Act (O.C.G.A. 12-5-20, et seq.), and the 2004 Comprehensive State-wide Water Management Planning Act (O.C.G.A. 12-5-520 to 525) and associated local Watershed/River Basin Management Plan(s).

5) Within six months of detecting regulated substance(s) on a non-qualifying property, the participant must apply to EPD to include the affected property as a qualifying property under the Act or notify EPD that the non-qualifying property is not included under the Act. Consequently, please note that the currently available site information indicates that site related contaminants have been detected on the adjacent Wrigley property on the southwest border of the Avery Dennison property. Therefore, please ensure that the first semiannual progress report includes a description of this Wrigley property as an additional qualifying property, along with a supporting site figure that illustrates the extent of this leased property or notify EPD that the Wrigley property will not be included under the Act. Please note that confirmation and/or documentation that Wrigley has provided express permission to enter the property and perform any applicable corrective actions must be included in the event that Wrigley retains ownership of the impacted area(s) north of the stream. In addition, please provide a copy of the VRP Application and future VRP documentation to Wrigley for their records.

Included as part of the VRP Application submittal was a November 23, 2011, "Response to EPD June 30, 2011 Comments on March 2010 Compliance Status Report," which responded to a number of EPD comments associated with the calculated risk reduction standards for the subject site. EPD's comments regarding the proposed RRS for the site, and Avery's associated comment responses, are included as follows:

Risk Reduction Standards (RRS):

6) The responses to Comments 5 & 6 are acceptable.

7) Comment 7:

   i. The response is acceptable and the necessary revisions have been made.
   ii. Please note that the correct Type 2 for Arsenic is 5.6E-4mg/L (based on adult cancer risk). This value is however produced correctly in Table 7-5.
   iii. The correct Type 4 RRS for cis-1,2-Dichloroethylene and Chromium (III) is 0.2mg/L and 153mg/L respectively. Please revise Table 7-3.

8) Comment 8: Response is noted. However, please note that EPD stated the Type 1 soils for Fluorotrichloromethane, Vinyl Chloride, Carbon Tetrachloride and 1,4-Dichlorobenzene are based on '100xApp III' value. Please revise based on this value. The RAGS equation values for these constituents in Table 7-4 could not be reproduced and are incorrect. Also note that the Type 1 RRS for Carbon Disulfide, Xylenes, are also based on the '100xApp III' value. Please revise Table 7-4.

9) The responses to Comments 9 and 10 are acceptable.

10) The response to Comments 11 is acceptable however, Table 7-7 will need to be revised based on comment 8(iii). In addition, please revise the "Selected GW RRS" in the leachability calculations for soil screening level (SSL) values. Please also note that for Chromium (VI), the higher of the Type 3 and Type 4 RRS was not selected. The higher value should be the Type 1 RRS for Chromium. Please revise SSL calculations for Chromium (VI).

Additional Screening Level Ecological Risk Assessment Comments:

11) Table 5: COPEC Selection in Sediment:

   i. As was done with the selection of COPECs in Surface Water, Maximum Detected Concentrations (MDCs) should be compared to appropriate screening values. If any of the MDCs exceed their respective screening values that regulated substance needs to be carried forward into the refinement step.

   ii. In the refinement step alternate screening values and refined exposure concentrations equal to 95% Upper Confidence Levels (UCLs) of the means can be used for comparative purposes, rather than Arithmetic Means of Detects. Please include the input and output data for the 95% UCL calculations for review, as these values will need to be verified by EPD. Please re-screen the regulated substances using the aforementioned method and revise the table as necessary.

iii. Dutch Target and Intervention Values: EPD finds these values to be inappropriate for use for sites in Georgia. Please consult the Oak Ridge National Laboratory's1 Risk Assessment Information System for additional sediment screening values.

12) Table 7: COPEC Selection in Groundwater-Surface Water Transition Zone:

i. As was done with the selection of COPECs in Surface Water, Maximum Detected Concentrations (MDCs) should be compared to appropriate screening values. If any of the MDCs exceed their respective screening values that regulated substance needs to be carried forward into the refinement step.

ii. In the refinement step alternate screening values and refined exposure concentrations can be used for comparative purposes, rather than 30% of MDCs. The refined exposure concentrations should be derived using a methodology (i.e., modeling) that can be justified.

13) Table 8: Screening Risk Calculation and Initial Refinement:

i. Surface Water: Please provide the input and output data for the 95% UCL calculations for review, as these values will need to be verified by EPD. Additionally, the "Refined Hazard Quotient based on UCL" values may need to be revised. From the information provided it appears that exposure to surface water does not currently pose a risk to ecological receptors, however additional justification must be provided for the use of a Dilution Factor of 30% of the 95% UCL to demonstrate that future groundwater discharges will not negatively impact surface water.

ii. Groundwater-Surface Water Transition: From the information provided it is difficult for EPD to verify that groundwater will not have future negative impacts to surface water. EPD needs a demonstration (i.e., model results) to show that as groundwater continues to discharge to surface water that negative impacts to surface water will not be seen. Please provide this information to EPD for review.

14) Table 9: Refined Screening Level Risk Calculation for the Groundwater-Surface Transition Zone: Please revise the table based on aforementioned comments.

The above comments must be addressed to EPD's satisfaction in order to demonstrate compliance with the provisions, purposes, standards and policies of the Act. EPD may, at its sole discretion, review and comment on documents submitted by Avery. However, failure of EPD to respond to a submittal within any timeframe does not relieve Avery from complying with the provisions, purposes, standards, and policies of the Act.

1 http://rais.ornl.gov/.

Should you have any additional questions or concerns please contact Mr. Kevin Collins of the Response and Remediation Program at (404) 657-0488.

Sincerely,

David Brownlee
Acting Program Manager
Response and Remediation Program

c: Glen Kirkpatrick, The Johnson Company

File: VRP Application 937335292 – Avery Dennison Site #10578

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# APPENDIX B
# RESPONSE TO JUNE 5, 2012 COMMENT LETTER BY EPD

**APPENDIX B – Responses to June 5, 2012 Comment Letter by GA EPD**

**Comments as provided by GA EPD in its June 5, 2012 comment letter to Avery Dennison are shown in normal font under the corresponding heading used by GA EPD in its letter. Avery Dennison's responses are shown in *blue italics font*.**

**Conceptual Site Model (CSM):**

1) Please note that the vapor extraction phase of the multi-phase extraction (MPE) corrective action must continue until such time that the subsurface impacts no longer represent a potential risk to the vapor intrusion pathway, i.e. indoor and subslab air quality as it relates directly to land use determinations. This may require an evaluation of the indoor vapor intrusion pathway at some point in the future in order to establish criteria for the completion of the noted corrective action. EPD recommends that the environmental covenant placed on the property incorporate the appropriate verbiage to address this particular concern.

*Avery Dennison Response: The comment is noted.*

2) Please note that the May 2010 Corrective Action Plan (CAP) for the site included plans for designing a full-scale application of a MPE/pump & treat corrective action for the southern/western source areas in order to achieve hydraulic containment of the groundwater plume, onsite active remediation & treatment, and permitted discharge. The VRP application did not clearly indicate if the VRP Status Update Report would include design plans for the installation of a groundwater pump & treat component of the Multi-Phase Extraction System to address the groundwater impacts in the western source area of the site. Please provide clarification as to whether or not this particular corrective action component will be included in the VRP remedial action plan, as it may influence the result of the aforementioned modeling and potential for impact(s) to the downgradient surface water feature.

*Avery Dennison Response: The western source area will not be addressed by a multiphase extraction system. Relevant potential risk exposure pathways will be addressed by environmental covenants that will be developed per the requirements of the VRP.*

3) Please include the evaluation of the exposure pathway for the utility worker/construction worker scenario during onsite/offsite subsurface activities, and if necessary develop an operation and maintenance (O&M) plan to protect the integrity of these areas and restrict future exposure.

*Avery Dennison Response: Please see pages 1-2 of the memorandum from Ted Simon, LLC, which is provided in Appendix C to the Progress Report. None of the Type 3/4 Risk Reduction Standards are exceeded for soil, nor are any of the alternative screening thresholds developed for the Voluntary Remediation Program based on guidance from EPD's Risk Assessment Unit.*

4) According the data for the subject site, the downgradient creek is considered a discharge point for the impacted groundwater migrating from the subject site. While surface water data has been

provided as part of the VRP Application to illustrate that there have been no impacts above the In-Stream Water Quality Standards (ISWQS), additional information must be provided to address concerns associated with this complete exposure pathway, including but not limited to the following:

i. Sections 6 and 7 of the VRP Application indicated that a point of demonstration monitoring plan would be included as part of the Status Update Report. Please ensure that this plan establishes a clear Point of Exposure (POE) and associated Point of Demonstration (POD) for the surface water exposure pathway and associated groundwater contaminant plume.

*Avery Dennison Response: A point of demonstration monitoring plan will be provided with the next Progress Report.*

ii. In the event that the MPE system design plan does not incorporate a western source area pump &treat component, please provide a groundwater model to demonstrate the current and/or future potential for groundwater impacts to migrate to and potentially discharge to the stream at concentrations greater than the ISWQS for the constituents of concern. Long-term surface water monitoring at the POD/POE may be required should the modeling indicate continued exposure potential from a long-term remnant source area plume. These sampling requirements, if necessary, can be included as part of the environmental covenants for the site.

*Avery Dennison Response: The comment is noted and will be addressed in a subsequent Progress Report.*

iii. Please note that based on the below listed Ecological Screening Assessment comments associated with the downgradient stream, EPD does not currently agree that an exposure risk does not exist for the surface water exposure pathway and additional information will be required.

*Avery Dennison Response: EPD's comments regarding the Screening Level Ecological Risk Assessment and refinement are addressed below. No unacceptable ecological exposure risk exists.*

iv. Please ensure that the environmental covenants that are to be placed on the qualifying property(ies) include a stipulation that the remedial goals and associated in-stream water quality for the downgradient stream will comply with the requirements and criteria established within the Georgia Rules for Water Quality Control (Rule 391-3-6) and associated Georgia Water Quality Act (O.C.G.A. 12-5-20, et seq.), and the 2004 Comprehensive State- wide Water Management Planning Act (O.C.GA. 12-5-520 to 525) and associated local Watershed/River Basin Management Plan(s).

*Avery Dennison Response: The comment is noted.*

5) Within six months of detecting regulated substance(s) on a non-qualifying property, the participant must apply to EPD to include the affected property as a qualifying property under the Act or notify EPD that the non-qualifying property is not included under the Act. Consequently, please note

that the currently available site information indicates that site related contaminants have been detected on the adjacent Wrigley property on the southwest border of the Avery Dennison property. Therefore, please ensure that the first semiannual progress report includes a description of this Wrigley property as an additional qualifying property, along with a supporting site figure that illustrates the extent of this leased property or notify EPD that the Wrigley property will not be included under the Act. Please note that confirmation and/or documentation that Wrigley has provided express permission to enter the property and perform any applicable corrective actions must be included in the event that Wrigley retains ownership of the impacted area(s) north of the stream. In addition, please provide a copy of the VRP Application and future VRP documentation to Wrigley for their records.

*Avery Dennison Response: Please see Section 3.4 of the Progress Report. Confirmation of acquisition of the affected portion of the now-Wrigley property will be promptly provided to EPD following completion of the sale.*

Included as part of the VRP Application submittal was a November 23, 2011, "Response to EPD June 30, 2011 Comments on March 2010 Compliance Status Report," which responded to a number of EPD comments associated with the calculated risk reduction standards for the subject site. EPD's comments regarding the proposed RRS for the site, and Avery's associated comment responses, are included as follows:

**Risk Reduction Standards (RRS):**

6) The responses to Comments 5 & 6 are acceptable.

7) Comment 7:

i. The response is acceptable and the necessary revisions have been made.

ii. Please note that the correct Type 2 RRS for Arsenic is 5.6E-4mg/L (based on adult cancer risk).

This value is however produced correctly in Table 7-5.

*Avery Dennison Response: Please see pages 2-3 of the memorandum from Ted Simon, LLC, which is provided in Appendix C to the Progress Report. The correct development of Type 2 RRS is shown.*

iii. The correct Type 4 RRS for cis-1,2-Dichloroethylene and Chromium (III) is 0.2 mg/L and 153 mg/L respectively. Please revise Table 7-3.

*Avery Dennison Response: The revised Table 7-3 is shown in Appendix C to the Progress Report, and the development of the Type 4 RRS for cis-1,2-dichoroethlyene and Chromium (III) is shown.*

8) Comment 8: Response is noted. However, please note that EPD stated the Type 1 soils for Fluorotrichloromethane, Vinyl Chloride, Carbon Tetrachloride and 1,4-Dichlorobenzene are based on

'1OO x App III' value. Please revise based on this value. The RAGS equation values for these constituents in Table 7-4 could not be reproduced and are incorrect. Also note that the Type 1 RRS for Carbon Disulfide, Xylenes, are also based on the '100xApp III' value. Please revise Table 7-4.

*Avery Dennison Response: A revised Table 7-4 is shown in Appendix C to the Progress Report.*

9) The responses to Comments 9 and 10 are acceptable.

10) The response to Comments 11 is acceptable; however, Table 7-7 will need to be revised based on comment 8(iii). In addition, please revise the "Selected GW RRS" in the leachability calculations for soil screening level (SSL) values. Please also note that for Chromium (VI), the higher of the Type 3 and Type 4 RRS was not selected. The higher value should be the Type 1 RRS for Chromium. Please revise SSL calculations for Chromium (VI).

*Avery Dennison Response: Please see the response provided in pages 4-5 of the memorandum from Ted Simon, LLC, which is provided in Appendix C to the Progress Report.*

**Additional Screening Level Ecological Risk Assessment Comments:**

11) Table 5: COPEC Selection in Sediment:

i. As was done with the selection of COPECs in Surface Water, Maximum Detected Concentrations (MDCs) should be compared to appropriate screening values. If any of the MDCs exceed their respective screening values that regulated substance needs to be carried forward into the refinement step.

ii. In the refinement step alternate screening values and refined exposure concentrations equal to 95% Upper Confidence Levels (UCLs) of the means can be used for comparative purposes, rather than Arithmetic Means of Detects. Please include the input and output data for the 95%UCL calculations for review, as these values will need to be verified by EPD. Please re-screen the regulated substances using the aforementioned method and revise the table as necessary.

iii. Dutch Target and Intervention Values: EPD finds these values to be inappropriate for use for sites in Georgia. Please consult the Oak Ridge National Laboratory's (http://rais.ornl.gov) Risk Assessment Information System for additional sediment screening values.

*Avery Dennison Response: Please see the response provided in pages 5-6 of the memorandum from Ted Simon, LLC, which is provided in Appendix C to the Progress Report.*

12) Table 7: COPEC Selection in Groundwater-Surface Water Transition Zone:

i. As was done with the selection of COPECs in Surface Water, Maximum Detected Concentrations (MDCs) should be compared to appropriate screening values. If any of the MDCs exceed their respective screening values that regulated substance needs to be carried forward into the refinement step.

ii. In the refinement step alternate screening values and refined exposure concentrations can be used for comparative purposes, rather than 30% of MDCs. The refined exposure concentrations should be derived using a methodology (i.e., modeling) that can be justified.

*Avery Dennison Response: Please see the response provided in pages 6-8 of the memorandum from Ted Simon, LLC, which is provided in Appendix C to the Progress Report.*

13) Table 8: Screening Risk Calculation and Initial Refinement:

i. Surface Water: Please provide the input and output data for the 95% UCL calculations for review, as these values will need to be verified by EPD. Additionally, the "Refined Hazard Quotient based on UCL" values may need to be revised. From the information provided it appears that exposure to surface water does not currently pose a risk to ecological receptors, however additional justification must be provided for the use of a Dilution Factor of 30% of the 95% UCL to demonstrate that future groundwater discharges will not negatively impact surface water.

ii. Groundwater-Surface Water Transition: From the information provided it is difficult for EPD to verify that groundwater will not have future negative impacts to surface water. EPD needs a demonstration (i.e., model results) to show that as groundwater continues to discharge to surface water that negative impacts to surface water will not be seen. Please provide this information to EPD for review.

*Avery Dennison Response: Please see the response provided in page 8 of the memorandum from Ted Simon, LLC, which is provided in Appendix C to the Progress Report.*

14) Table 9: Refined Screening Level Risk Calculation for the Groundwater-Surface Transition Zone: Please revise the table based on aforementioned comments.

*Avery Dennison Response: Please see the response provided in page 9 of the memorandum from Ted Simon, LLC, which is provided in Appendix C to the Progress Report, as well as the associated revised tables.*

# APPENDIX C
# TED SIMON LLC ANALYSIS REVISED

Ted Simon LLC

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**Memorandum**

To: The Johnson Company, Inc.

From: Ted Simon, LLC

Date: November 1, 2012 – Revised

Re: Response to June 5, 2012 Comments by Georgia EPD re: Avery Dennison Site, HSI #10578

The purpose of the memorandum is to provide responses to Comments #3, #7, #8 and #10 to #14 of the June 5, 2012 letter from David Brownlee of Georgia EPD to Bruce Martin of Avery Dennison regarding the Flowery Branch site. The Georgia EPD Comments are shown below in *italics* font, and each respective comment-by-comment response is shown in normal font. In addition to the changes noted below, all values in Tables 7-3, 7-4 and 7-7 were checked based on the most recent version of EPA's Regional Screening Level Table, dated May 2012.

**Comment #3:** *Please include the evaluation of the exposure pathway for the utility worker/construction worker scenario during onsite/offsite [sic] subsurface activities, and if necessary develop an operation and maintenance (O&M) plan to protect the integrity of these areas and restrict future exposure.*

This comment was discussed with Ms. Shanna Alexander of Georgia EPD's Risk Assessment Unit on November 7, 2012, and Ms. Alexander sent a follow-up email which is attached to this memorandum as *Attachment 1*. Under HSRA, the exposure pathway for the utility worker/construction worker scenario is assessed under the Type 3 (default) and Type 4 (site-specific) Risk Reduction Standards (RRS) for soil, which were already presented in the Voluntary Investigation and Remediation Plan (VIRPA) submitted by Avery Dennison in December 2011, and revised herein per EPD's comments (see attached Table 7-4). As reported in the VIRPA, the property is in compliance with the Type 3/4 RRS for soil, including the revised RRS presented in Table 7-4.

Ms. Alexander verbally indicated that EPD is still determining the specific approach that will be used for risk assessment for the VRP, and thus an additional analysis is presented herein that is not part of the Risk Reduction Standard (RRS) determination. Ms. Alexander provided exposure assumptions in her email, and indicated that dermal exposure should be considered as well as ingestion and inhalation.

For dermal exposure, a soil adherence factor of 0.3 mg/cm$^2$ was obtained from Appendix C of RAGS, Part E, Exhibit C-3 and a skin surface area of 3300 cm$^2$ from RAGS part E, page 3-11. Default dermal absorption values were obtained from Region 4 Risk Assessment

guidance, human health bulletins of 1% for organics and 0.1% for inorganics. Any chromium present was assumed to be in the form of Cr(VI). Lead was not assessed here because the adult lead model has already been evaluated for the site and reported in the May 2010 Compliance Status Report.

Table 1 (attached) provides the threshold values for soil for protection of the utility/construction worker based on this analysis. The Johnson Company reports that none of the thresholds are exceeded on the property.

**Comment #7 ii:** *Please note the correct Type 2* [sic] *Arsenic is 5.6E-04 mg/L (based on adult cancer risk). The value is however correctly produced in Table 7-5.*

A revised version of Table 7-3 is attached, which shows the result of the following calculation:

Equation 1 from RAGS Part B is

$$C\ (mg/L) = \frac{(TR)(BW)(AT)(365\ days/year)}{(EF)(ED)[(SFi)(K)(IRa) + (SFo)(IRw)]}$$

where TR = Target Risk = 1E-05

BW = Body Weight (kg) = 70 kg for an adult and 15 kg for a child

AT = Averaging Time = 70 years

EF = Exposure Frequency = 350 days/year

ED = Exposure Duration = 30 years for an adult and 6 years for a child

SFi = Inhalation Slope Factor (per mg/kg/d) (chemical-specific)

K = Volatilization Factor = 0.5 $L/m^3$ (from Andelman, 1990)

Ira = Daily Indoor Inhalation Rate = 15 $m^3/d$

SFo = Oral Slope Factor (per mg/kg/d) (chemical-specific)

IRw = Water Ingestion Rate = 2 L/d for adults and 1 L/d for children

Since arsenic dissolved in water is not volatile, the inhalation portion in the denominator drops out. The oral slope factor for arsenic is 1.5 per mg/kg/d and the inhalation slope factor is 15 per mg/kg/d calculated from a unit risk value of 4.3E-03 per $\mu g/m^3$.

Therefore, C = (1E-05 x 70 kg x 70 yr x 365 days/yr) /(30 yr x 350 days/yr x (1.5 per mg/kg/d x 2 L/day))
= 5.67E-04 mg/L

**Comment #7, iii.** *The correct Type 4 RRS for cis-1,2-Dichloroethylene and Chromium (III) is* [sic] *0.2 mg/L and 153 mg/L respectively. Please revise Table 7-3.*

A revised version of Table 7-3 is attached, which shows the result of the calculation shown below.

Cis-1,2-dichloroethene and chromium (III) both non-carcinogens—hence, Equation 2 in RAGS, Part B is operative.

$$C\ (mg/L) = \frac{(THI)(BW)(AT)(365\ days/year)}{(EF)(ED)[(1/RfDi)(K)(IRa) + (1/RfDo)(IRw)]}$$

where RfDi = inhalation reference dose (mg/kg/d)
RfDo = oral reference dose (mg/kg/d)
THI = target hazard index = 1.0
AT = ED x 365 days/yr
Other variables as defined above

The oral RfD for cis-1,2-dichloroethylene is 2E-03 mg/kg/d and there is no inhalation RfD. The oral RfD for chromium(III) is 1.5 mg/kg/d and there is no inhalation RfD.

Thus:

Cis-1,2-dichloroethylene
(1.0 x 70 kg x 25 yr x 365 days/yr) / (25 yr x 250 days/yr x (1/2E-03 mg/kg/d) x 1 L/d)
= 0.2 mg/L

Chromium(III)
(1.0 x 70 kg x 25 yr x 365 days/yr) / (25 yr x 250 days/yr x (1/1.5 mg/kg/d) x 1 L/d)
= 153.3 mg/L[1]

**Comment 8:** *Response is noted. However, please note that EPD stated the Type 1 soils* [sic] *for Fluorotrichloromethane, Vinyl Chloride, Carbon Tetrachloride, and 1,4-Dichlorobenzene are based on '100xApp III' value. Please revise based on this value. The RAGS equation values for these constituents in Table 7-4 could not be reproduced and are incorrect. Also note that the Type 1 RRS for Carbon Disulfide, Xylenes, are also based on the '100xApp III' value. Please revise Table 7-4.*

A revised Table 7-4 is attached.

[1] It should be noted that chromium in soil and groundwater at the Site is attributed to background sources, as described in pages 3-9 and 4-23 of the March 2010 Compliance Status Report.

**Comment 10:** *The response to Comments 11 [sic] is acceptable however, Table 7-7 will need to be revised based on comment 8(iii). In addition, please revise the "Selected GW RRS" in the leachability calculations for soil screening level (SSL) values. Please also note that for Chromium (VI), the higher of the Type 3 and Type 4 RRS was not selected. The higher value should be the Type 1 RRS for Chromium. Please revise SSL calculations for Chromium.*

We assume "comment 8(iii)" actually revers to 7(iii). We also assume the reference to the Type 1 RRS for Chromium should be Type 4 RRS for Chromium—as the higher of the Type 3 RRS and the Type 4 Candidate RRS.

The equation for calculating the soil-to-groundwater RRS is

$$SSL\left(\frac{mg}{kg}\right) = C_w\left[K_d + \frac{\theta_w + \theta_a H'}{\rho_B}\right]$$

where $C_w$ = Groundwater Target Concentration
$K_d$ = Soil-Water Partition Coefficient (L/kg)
$\theta_w$ = water-filled soil porosity = 0.3
$\theta_a$ = air-filled soil porosity = 0.134
$\rho_B$ = dry soil bulk density = 1.5
H' = unitless Henry's Law constant

For Chromium(III), Attachment C of EPA's 1996 *Soil Screening Guidance* provides a $K_d$ value of 1.8E+06 at pH 6.8. For Chromium(VI), the $K_d$ value is 19.[2]

For cis-1,2-dichloroethylene, the $K_d$ value is obtained from the organic carbon partition coefficient or $K_{oc}$ available in the Regional Screening Level Table; the value is 39.6 L/kg. Multiplying by the default soil organic carbon fraction of 0.002, the value of $K_d$ becomes 0.0792 L/kg. The unitless Henry's Law constant for cis-1,2-dichloroethylene is 0.1668.

Hence, the calculated SSL values based on the Type 1/3 and Type 4 groundwater RRS values are shown below.

[2] It should be noted that chromium in soil and groundwater at the Site is attributed to background sources, as described in pages 3-9 and 4-23 of the March 2010 Compliance Status Report.

| Chemical | Type 1/3 GW RRS (mg/L) | Target Leachate Conc. (mg/L) | Soil-to-GW RRS (mg/kg) | Type 4 GW RRS (mg/L) | Target Leachate Conc. (mg/L) | Type 4 Soil-to-GW RRS (SSL) (mg/kg) |
|---|---|---|---|---|---|---|
| Chromium(III) | 0.1 | 2 | 3.6E+06 | 153 | 3070 | 5.5E+09 |
| Chromium(VI) | 0.1 | 2 | 38.4 | 0.0057 | 0.11 | 2.2 |
| Cis-1,2-dichloroethylene | 0.7 | 1,4 | 0.41 | 0.2 | 4.1 | 1.2 |

**Comment #11(i):** *As was done with the selection of COPECs in Surface Water, Maximum Detected Concentrations (MDCs) should be compared to appropriate screening values. If any of the MDCs exceed their respective screening values that regulated substance need to be carried forward into the refinement step.*

**Response to Comment #11(i):**
All COPECs in surface water, sediment or the GW/SW transition zone were rescreened using the maximum detected concentration. Please see the revised tables in Attachment 2.

**Comment #11(ii):** *In the refinement step alternate screening values and refined exposure concentrations equal to 95% Upper Confidence Levels (UCLS) of the means can be used for comparative purposes, rather than Arithmetic Means of Detects. Please include the input and output data for the 95%UCL calculations for review, as these values will need to be verified by EPD. Please re-screen the regulated substances using the aforementioned method and revise the table as necessary.*

**Response to Comment #11(ii):**
The input files (*.wst) and output files (*.ost) from EPA's ProUCL software were converted to PDF format and are included in Attachment 3. The original .wst and .ost files are provided on disk in Attachment 4. ProUCL 4.1 can be downloaded at http://www.epa.gov/osp/hstl/tsc/software.htm. Tables were revised as necessary. Please note that an earlier version of ProUCL was used in the original submission, and thus the results vary slightly between versions. In addition, for some values, the slight variation may be due to the use by ProUCL of random numbers in some of the UCL calculations.

**Comment #11(iii):** *Dutch Target and Intervention Values: EPD finds these values to be inappropriate for use for sites in Georgia. Please consult the Oak Ridge National Laboratory's Risk Assessment information System for additional sediment screening values.*

**Response to Comment #11(iii)**
The Risk Assessment Information System at http://rais.ornl.gov/ was used as the source of all screening values. The lowest, i.e., most conservative, of the screening values was

chosen. These can be seen in the tables in Attachment 2. Some information about the source of RAIS values is also presented below.

*EPA Region 3 Biological Technical Assistance Group Freshwater Sediment Screening Benchmarks*

The EPA Region III Biological Technical Assistance Group (BTAG) Screening Benchmarks are values to be used for the evaluation of sampling data at Superfund sites. These values facilitate consistency in screening level ecological risk assessments throughout EPA Region III. Additional toxicological information should be considered in Step 3 as provided by the Ecological Risk Assessment Guidance for Superfund (EPA, 1997). The tables in Attachment 2 include compounds for which benchmark values have been established or that are considered bioaccumulative compounds (identified in tables). For additional information on compounds for which no benchmarks are identified and the use of alternate values, please consult the BTAG FAQs specific to these subjects. The tables and FAQs are available at http://www.epa.gov/reg3hwmd/risk/eco/index.htm.

The following files that support the BTAG freshwater sediment screening benchmarks are available on the RAIS: table of benchmarks, notes and references, table for the Computation of Freshwater Sediment Screening Benchmarks Using Site-Specific Total Organic Carbon, and Import Notes.

*EPA Region 5 ESLs - Sediment*

The ESL reference database consists of Region 5 media-specific (soil, water, sediment, and air) Ecological Screening Levels (ESLs) for RCRA Appendix IX hazardous constituents. The ESLs are initial screening levels with which the site contaminant concentrations can be compared. The ESLs help to focus the investigation on those areas and chemicals that are most likely to pose an unacceptable risk to the environment. ESLs also impact the data requirements for the planning and implementation of field investigations. ESLs alone are not intended to serve as cleanup levels. See the August 2003 revision of the ESLs (formerly EDQLs) at http://www.epa.gov/reg5rcra/ca/ESL.pdf

*OSWER (Office of Solid Waste and Emergency Response). 1996. Ecotox thresholds*. U.S. Environmental Protection Agency. ECO Update 3 (2):1-12.
http://www.epa.gov/superfund/programs/risk/eco_updt.pdf

**Comment #12(i):** *As was done with the selection of COPECS in Surface Water, Maximum Detected Concentrations (MDCS) should be compared to appropriate screening values. If any of the MDCS exceed their respective screening values that regulated substance needs to be carried forward into the refinement step.*

**Response to Comment #12(i):**
See response to Comment #11(i).

**Comment #12(ii):** *A. In the refinement step alternate screening values and refined exposure concentrations can be used for comparative purposes, rather than 30% of MDCs. The refined exposure concentrations should be derived using a methodology (i.e., modeling) that can be justified.*

**Response to Comment #12(ii):**
Ample justification for the use of 30% was provided. In EPA's *Eco Update/Ground Water Forum Issue Paper – Evaluating Ground-Water/Surface-Water Transition Zones in Ecological Risk Assessment* - specific guidance on this issue is provided: http://www.epa.gov/oswer/riskassessment/ecoup/pdf/eco_update_08.pdf. On page 20 of that Issue Paper, it says:

> *"Reasonable exposure point concentrations can be determined, in consultation with the site hydrogeologist, from a particular well or set of wells along the flow path(s) from the source to the discharge zone in the surface water. However, it may be preferable to determine this more realistic exposure-point concentration from available or new data from transition zone samples."*

The preferable alternative was exactly what was done at this site. The text of the SLERA refinement previously submitted with the March 2010 Compliance Status Report states:

> *"The concentration of VOC that is representative of the transition zone between groundwater and surface water was developed for this SLERA [refinement] by evaluation of relationships between streambed groundwater and surface water VOC concentrations at common points of measurement within the unnamed tributary stream.*
>
> *There are three such points: (1) SW-2 and SBW-4; (2) SW-4 and SBW-7; and (3) SW-5 and SBW-10. The analytical results for VOC at SW-4 and SW-5 were almost uniformly non-detect, hence the respective pairings could not be used for the evaluation. However, at the SBW-4/SW-2 location, which is at the location of highest overall VOC detections in streambed groundwater, there has been a positive correlation between SW-2 concentrations and SBW-4 concentrations over the entire period of monitoring: October 2006 until the recent sampling event in October 2009. This correlation is apparent in Figure 13 [of the SLERA refinement].*
>
> *The SBW-4/SW-2 location of the unnamed tributary stream is adjacent to the emergence of the visible seep shown in Figures 9 and 10 [of the SLERA refinement]. While not a transition zone itself, the presence of the seep is indicative of the existence of a connection between groundwater and surface water in other parts of the stream. This connection may be a transition zone as defined in EPA guidance, Evaluating Ground-Water/Surface-Water Transition Zones in Ecological Risk Assessment (EPA, 2008). The concentration of VOC within the transition zone at a given discharge location is expected to be at the low end of the range of VOC concentrations existing in proximate underlying groundwater based on a comparison between streambed well concentrations and surface water concentrations (e.g., Figure 13). The water concentrations to which benthic invertebrates or other stream-dwelling receptors would be exposed would be expected to be represented more closely by surface water concentrations than groundwater concentration since the habitat for ecological receptors is proximate to the surface water and sediment pore water rather than groundwater.*

*To determine concentrations in the transition zone, the ratio of concentrations of 1,1,1-TCA, 1,1-DCA or 1,1-DCE in surface water at SW-2 and those in groundwater at SBW-4 were examined over time (Figure 13 [of the SLERA refinement). The surface water concentrations of these chemicals at SW-2 have ranged from 2% to 30% of those in groundwater at SBW-4. Hence, a value of 30% of the streambed well groundwater concentration for each analyte was selected for this SLERA refinement as a conservative estimate of the VOC concentration within the water at the transition between groundwater and surface water. Ten percent was selected as a central estimate value. To apply conservatism, the concentration of VOC for each compound at the transition between groundwater and surface water was calculated as 30% and 10% of the either the maximum detect or the 95% upper confidence limit from the streambed groundwater wells. 30% was the highest value observed whereas 10% represented a central value."*

Data to support this evaluation was presented in the SLERA refinement. Given the direct empirical derivation of the analysis based on a thorough dataset, and the implicit conservatism in the analysis, it is unclear how EPD determines a modeling analysis is required to establish the groundwater/surface water relationship for purposes of a SLERA. We request that EPD provide additional support for its comment.

**Comment #13(i):** *Surface Water: Please provide the input and output data for the 95% UCL calculations for review, as these values will need to be verified by EPD. Additionally, the "Refined Hazard Quotient based on UCL" values may need to be revised. From the information provided it appears that exposure to surface water does not currently pose a risk to ecological receptors, however additional justification must be provided for the use of a Dilution Factor of 30% of the 95% UCL to demonstrate that future groundwater discharges will not negatively impact surface water.*

**Response to Comment #13(i)**
The 30% factor for dilution during passage through the GW/SW transition zone is discussed in the response to comment #12(ii). The input files (*.wst) and output files (*.ost) for the 95% UCL determination are provided in PDF format in Attachment 3; original files are included on disk in Attachment 4. ProUCL 4.1 can be downloaded at http://www.epa.gov/osp/hstl/tsc/software.htm.

**Comment #13(ii):** *Groundwater-Surface Water Transition: From the information provided it is difficult for EPD to verify that groundwater will not have future negative impacts to surface water. EPD needs a demonstration (i.e., model results) to show that as groundwater continues to discharge to surface water that negative impacts to surface water will not be seen. Please provide this information to EPD for review.*

**Response to Comment #13(ii):**
This comment will be addressed in a subsequent semi-annual Status Report.

**Comment #14:** *Table 9: Refined Screening Level Risk Calculation for the Groundwater-Surface Transition Zone: Please revise the table based on aforementioned comments.*

**Response to Comment #14:**
The revised sequence of tables from the SLERA refinement (see Attachment 2: Tables 4 through 9) culminate in the revision to Table 9, as requested. The revised Table 9 is provided in Attachment 2.

Table 1 Estimates of Protective Soil Exposure Concentrations for a Utility/Construction Worker
Avery Dennison Facility, Flowery Branch, GA

| | | Non-Cancer | | | | Cancer | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| HSRA Name | CAS No. | Worker Oral SSL | Worker Inhalation SSL | Worker dermal SSL | All routes SSL | Worker Oral SSL | Worker Inhalation SSL | Worker dermal SSL | All routes SSL | Endpoint | Soil Concentration for Utility/Construction Worker |
| (unitless) | (unitless) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | | (mg/kg) |
| 2-Butanone (MEK) | 78-93-3 | 3.57E+05 | 2.18E+07 | 1.19E+07 | 3.4E+05 | NA | NA | NA | NA | NC | 342000 |
| 1,1-Dichloroethane | 75-34-3 | 1.19E+05 | NA | 3.97E+06 | 1.2E+05 | 1.46E+05 | 4.02E+05 | 4.88E+00 | 1.05E+05 | C | 105000 |
| 1,1-Dichloroethene | 75-35-4 | 2.98E+04 | 4.20E+04 | 9.93E+05 | 1.7E+04 | NA | NA | NA | NA | NC | 17100 |
| 1,2-Dichloroethane | 107-06-2 | 3.57E+03 | 6.94E+03 | 1.19E+05 | 2.3E+03 | 9.16E+03 | 5.34E+04 | 3.05E-01 | 7.62E+03 | NC | 2310 |
| 1,1,1-Trichloroethane | 71-55-6 | 1.19E+06 | 1.49E+06 | 3.97E+07 | 6.5E+05 | NA | NA | NA | NA | NC | 652000 |
| 1,1,2-Trichloroethane | 79-00-5 | 2.38E+03 | 2.68E+02 | 7.94E+04 | 2.4E+02 | 1.46E+04 | 1.17E+05 | 4.88E-01 | 1.27E+04 | NC | 241 |
| Acetone | 67-64-1 | 5.36E+05 | 1.60E+08 | 1.79E+07 | 5.2E+05 | NA | NA | NA | NA | NC | 519000 |
| Carbon disulfide | 75-15-0 | 5.96E+04 | 1.78E+05 | 1.99E+06 | 4.4E+04 | NA | NA | NA | NA | NC | 43700 |
| Chloroethane | 75-00-3 | NA | 2.94E+06 | NA | 2.9E+06 | NA | NA | NA | NA | NC | 2940000 |
| Chloroform | 67-66-3 | 5.96E+03 | 5.81E+04 | 1.99E+05 | 5.3E+03 | 2.69E+04 | 3.61E+04 | 8.97E-01 | 1.52E+04 | NC | 5260 |
| cis-1,2-Dichloroethene | 156-59-2 | 1.19E+03 | NA | 3.97E+04 | 1.2E+03 | NA | NA | NA | NA | NC | 1160 |
| Ethylbenzene | 100-41-4 | 5.96E+04 | 4.29E+05 | 1.99E+06 | 5.1E+04 | 7.58E+04 | 2.40E+05 | 2.53E+00 | 5.63E+04 | NC | 51000 |
| Methylene chloride | 75-09-2 | 3.57E+03 | 3.32E+05 | 1.19E+05 | 3.4E+03 | 4.17E+05 | 7.74E+07 | 1.39E+01 | 4.03E+05 | NC | 3430 |
| Styrene | 100-42-5 | 1.19E+05 | 7.13E+05 | 3.97E+06 | 9.9E+04 | NA | NA | NA | NA | NC | 99500 |
| Tetrachloroethene | 127-18-4 | 3.57E+03 | 1.33E+04 | 1.19E+05 | 2.8E+03 | 3.97E+05 | 1.80E+06 | 1.32E+01 | 3.17E+05 | NC | 2750 |
| Toluene | 108-88-3 | 4.76E+04 | 2.19E+06 | 1.59E+06 | 4.5E+04 | NA | NA | NA | NA | NC | 45300 |
| trans-1,2-Dichloroethene | 156-60-5 | 1.19E+04 | 3.16E+04 | 3.97E+05 | 8.5E+03 | NA | NA | NA | NA | NC | 8470 |
| Trichloroethene | 79-01-6 | 2.98E+02 | 7.66E+02 | 9.93E+03 | 2.1E+02 | 1.81E+04 | 1.31E+05 | 6.04E+05 | 1.55E+04 | NC | 210 |
| Xylene, Mixture | 1330-20-7 | 1.19E+05 | 4.76E+04 | 3.97E+06 | 3.4E+04 | NA | NA | NA | NA | NC | 33700 |
| Arsenic | 7440-38-2 | 1.79E+02 | 1.95E+05 | 5.96E+04 | 1.8E+02 | 5.56E+02 | 4.23E+06 | 1.85E-01 | 5.54E+02 | NC | 178 |
| Barium, | 7440-39-3 | 1.19E+05 | 6.50E+06 | 5.67E+08 | 1.2E+05 | NA | NA | NA | NA | NC | 117000 |
| Chromium | 18540-29-9 | 1.79E+03 | 1.30E+06 | 2.38E+07 | 1.8E+03 | 1.67E+03 | 2.17E+05 | 1.39E+04 | 1.48E+03 | C | 1480 |
| Lead | 7439-92-1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorotrichloromethane | 75-69-4 | 1.79E+05 | 8.76E+04 | 5.96E+06 | 5.8E+04 | NA | NA | NA | NA | NC | 58200 |
| Vinyl chloride | 75-01-4 | 1.79E+03 | 1.83E+04 | 5.96E+04 | 1.6E+03 | 1.16E+03 | 5.81E+04 | 3.86E-02 | 1.10E+03 | C | 1100 |
| Carbon tetrachloride | 56-23-5 | 2.38E+03 | 2.51E+04 | 7.94E+04 | 2.1E+03 | 1.19E+04 | 5.86E+04 | 3.97E-01 | 9.66E+03 | NC | 2120 |
| 1,4-Dichlorobenzene | 106-46-7 | 4.17E+04 | 6.92E+05 | 1.39E+06 | 3.8E+04 | 1.54E+05 | 1.10E+05 | 5.15E+00 | 6.35E+04 | NC | 38200 |
| Selenium | 7782-49-2 | 2.98E+03 | 2.60E+08 | 9.93E+05 | 3.0E+03 | NA | NA | NA | NA | NC | 2970 |
| Methylcyclohexane | 108-87-2 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

Table 7-3 Risk Reduction Standards for Regulated Substances Detected in Groundwater
Avery Dennison Facility, Flowery Branch, GA – HSI #10578

| HSRA Name (unitless) | CAS No!. (unitless) | HSRA App. III (mg/L) | RAGS Equation Based Calculation | | | | Groundwater[1] | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Residential (mg/L) | | Non-Residential (mg/L) | | Type 1 RRS | Type 2 RRS | Type 3 RRS | Type 4 RRS |
| | | | Carcinogen | Non-Carcinogen | Carcinogen | Non-Carcinogen | (mg/L) | | | |
| 2-Butanone (MEK) | 78-93-3 | 2 | NA | 2.3 | NA | 11.8 | 2 | 2.3 | 2 | 11.8 |
| 1,1-Dichloroethane | 75-34-3 | 4 | 0.032 | 3.1 | 0.046 | 20 | 4 | 0.032 | 4 | 0.046 |
| 1,1-Dichloroethene | 75-35-4 | 0.007 | NA | 0.1 | NA | 0.52 | 0.007 | 0.10 | 0.007 | 0.52 |
| 1,2-Dichloroethane | 107-06-2 | 0.005 | 0.002 | 0.004 | 0.003 | 0.02 | 0.005 | 0.0020 | 0.005 | 0.003 |
| 1,1,1-Trichloroethane | 71-55-6 | 0.2 | NA | 2.7 | NA | 13.6 | 0.2 | 2.7 | 0.2 | 13.6 |
| 1,1,2-Trichloroethane | 79-00-5 | 0.005 | 0.003 | 0.00012 | 0.005 | 0.0006 | 0.005 | 0.00012 | 0.005 | 0.0006 |
| 1,4-Dioxane | 123-91-1 | 0.07 | 0.009 | 0.47 | 0.029 | 3.1 | 0.07 | 0.0090 | 0.07 | 0.029 |
| Acetone | 67-64-1 | 4 | NA | 8 | NA | 45.6 | 4 | 8.0 | 4 | 45.6 |
| Carbon disulfide | 75-15-0 | 4 | NA | 0.33 | NA | 1.7 | 4 | 0.33 | 4 | 1.7 |
| Chloroethane | 75-00-3 | NA | NA | 6 | NA | 29.2 | NA | 6.0 | NA | 29.2 |
| Chloroform | 67-66-3 | 0.08 | 0.0025 | 0.043 | 0.003 | 0.22 | 0.08 | 0.0030 | 0.08 | 0.003 |
| cis-1,2-Dichloroethene | 156-59-2 | 0.07 | NA | 0.031 | NA | 0.2 | 0.07 | 0.031 | 0.07 | 0.2 |
| Ethylbenzene | 100-41-4 | 0.7 | 0.019 | 0.43 | 0.029 | 2.3 | 0.7 | 0.019 | 0.7 | 0.03 |
| Methylene chloride | 75-09-2 | 0.005 | 0.4 | 0.074 | 1.2 | 0.45 | 0.005 | 0.074 | 0.005 | 0.45 |
| Styrene | 100-42-5 | 0.1 | NA | 0.5 | NA | 2.6 | 0.1 | 0.50 | 0.1 | 2.6 |
| Tetrachloroethene | 127-18-4 | 0.005 | 0.15 | 0.019 | 0.26 | 0.098 | 0.005 | 0.019 | 0.005 | 0.098 |
| Toluene | 108-88-3 | 1 | NA | 0.88 | NA | 5.2 | 1 | 0.88 | 1 | 5.2 |
| trans-1,2-Dichloroethene | 156-60-5 | 0.1 | NA | 0.032 | NA | 0.16 | 0.1 | 0.032 | 0.1 | 0.16 |
| Trichloroethene | 79-01-6 | 0.005 | 0.009 | 0.001 | 0.015 | 0.005 | 0.005 | 0.0010 | 0.005 | 0.005 |
| Xylene, Mixture | 1330-20-7 | 10 | NA | 0.058 | NA | 0.29 | 10 | 0.058 | 10 | 0.29 |
| Arsenic | 7440-38-2 | 0.01 | 0.00057 | 0.005 | 0.0019 | 0.03 | 0.01 | 0.00057 | 0.01 | 0.0019 |
| Barium | 7440-39-3 | 2 | NA | 3.1 | NA | 20.4 | 2 | 3.1 | 2 | 20.4 |
| Chromium(III) | 16065-83-1 | 0.1 | NA | 23.5 | NA | 153 | 0.1 | 0.047 | 0.1 | 153 |
| Chromium(VI) | 18540-29-9 | 0.1 | 0.0017 | 0.047 | 0.0057 | 0.31 | 0.1 | 0.0017 | 0.1 | 0.0057 |
| Fluorotrichloromethane | 75-69-4 | 2 | NA | 0.38 | NA | 1.9 | 2 | 0.38 | 2 | 1.9 |
| Vinyl chloride | 75-01-4 | 0.002 | 0.001 | 0.026 | 0.003 | 0.15 | 0.002 | 0.0010 | 0.002 | 0.003 |
| Carbon tetrachloride | 56-23-5 | 0.005 | 0.006 | 0.031 | 0.01 | 0.17 | 0.005 | 0.0060 | 0.005 | 0.01 |
| 1,4-Dichlorobenzene | 106-46-7 | 0.075 | 0.006 | 0.33 | 0.007 | 1.8 | 0.08 | 0.0060 | 0.075 | 0.007 |
| Selenium | 7782-49-2 | 0.05 | NA | 0.078 | NA | 0.51 | 0.05 | 0.078 | 0.05 | 0.51 |
| Methylcyclohexane | 108-87-2 | Not Regulated | | | | | | | | |

November 1, 2012. Ted Simon, LLC.

Table 7-4 Type 1 Risk Reduction Standards for Regulated Substances Detected in Soil
Avery Dennison Facility, Flowery Branch, GA – HSI #10578

| HSRA Name | CAS Nol. | App I - NC | 100X App III | Leachate | Table 2 - App III | (6)(c )(1) = | RAGS Eq. 6 | RAGS Eq. 7 | Type 1 |
|---|---|---|---|---|---|---|---|---|---|
| (unitless) | (unitless) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | MAX(I..iii) | Carcinogen | NonCarcinogen | RRS |
| | | (I) | (ii) | (iii) | | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) |
| 2-Butanone (MEK) | 78-93-3 | 0.79 | 200. | 8.4 | NA | 200 | NA | 47600 | 200 |
| 1,1-Dichloroethane | 75-34-3 | 0.03 | 400 | 22.7 | NA | 400 | 42.2 | 128000 | 42.2 |
| 1,1-Dichloroethene | 75-35-4 | 0.36 | 0.7 | 0.05 | NA | 0.7 | NA | 238 | 0.7 |
| 1,2-Dichloroethane | 107-06-2 | 0.02 | 0.5 | 0.028 | NA | 0.5 | 6.3 | 50.3 | 0.5 |
| 1,1,1-Trichloroethane | 71-55-6 | 5.44 | 20 | 1.4 | NA | 20 | NA | 10700 | 20 |
| 1,1,2-Trichloroethane | 79-00-5 | 0.50 | 0.5 | 0.032 | NA | 0.5 | 16.7 | 2.45 | 0.5 |
| 1,4-Dioxane | 123-91-1 | DL/0.13 | 7 | 0.29 | NA | 7 | 0.29 | 19200 | 7 |
| Acetone | 67-64-1 | 2.74 | 400 | 16.4 | NA | 400 | NA | 192000 | 400 |
| Carbon disulfide | 75-15-0 | DL(P) | 400 | 23.7 | NA | 400 | NA | 852 | 400 |
| Chloroethane | 75-00-3 | 0.17 | NA | 2120 | NA | 2120 | NA | 5370000 | 2120 |
| Chloroform | 67-66-3 | 0.68 | 8 | 0.55 | NA | 10 | 3.9 | 355 | 3.9 |
| cis-1,2-Dichloroethene | 156-59-2 | 0.53 | 7 | 0.41 | NA | 7 | NA | 1280 | 7 |
| Ethylbenzene | 100-41-4 | 20.00 | 70 | 15.7 | NA | 70 | 92.2 | 9100 | 70 |
| Methylene chloride | 75-09-2 | 0.08 | 0.5 | 0.026 | NA | 0.5 | 3574 | 1210 | 0.5 |
| Styrene | 100-42-5 | 14.00 | 10 | 2.2 | NA | 14 | NA | 15500 | 14 |
| Tetrachloroethene | 127-18-4 | 0.18 | 0.5 | 0.045 | NA | 0.5 | 315 | 142 | 0.5 |
| Toluene | 108-88-3 | 14.40 | 100 | 13.8 | NA | 100 | NA | 22200 | 100 |
| trans-1,2-Dichloroethene | 156-60-5 | 0.53 | 10 | 0.59 | NA | 10 | NA | 225 | 10 |
| Trichloroethene | 79-01-6 | 0.13 | 0.5 | 0.036 | NA | 0.5 | 18 | 6.65 | 0.5 |
| Xylene, Mixture | 1330-20-7 | 20.00 | 1000 | 197 | NA | 1000 | NA | 1080 | 1000 |
| Arsenic | 7440-38-2 | 41.00 | 1 | 180 | 20 | 180 | 10 | 192 | 20 |
| Barium | 7440-39-3 | 500.00 | 200 | 36000 | 1000 | 1648 | NA | 123000 | 1000 |
| Chromium(III) | 16065-83-1 | 1200.00 | 10 | 3.6E+06 | 100 | 1200 | NA | 961000 | 100 |
| Chromium(VI) | 18540-29-9 | 1200.00 | 10 | 38.4 | 100 | 1200 | 18.1 | 1920 | 100 |
| Fluorotrichloromethane | 75-69-4 | 0.70 | 200 | 25.7 | NA | 200 | NA | 491 | 200 |
| Vinyl chloride | 75-01-4 | 0.04 | 0.2 | 0.014 | NA | 0.200 | 3.6 | 77.5 | 0.2 |
| Carbon tetrachloride | 56-23-5 | 0.17 | 0.5 | 0.039 | NA | 0.500 | 6.6 | 163 | 0.5 |
| 1,4-Dichlorobenzene | 106-46-7 | NA | 7 | 1.44 | NA | 7.500 | 41.8 | 11600 | 7.5 |
| Selenum | 7782-49-2 | 36 | 5 | 5.2 | 2 | 36 | NA | 3200 | 2 |
| Methylcyclohexane | 108-87-2 | Not Regulated | | | | | | | |

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Table 7-7 Type 4 Risk Reduction Standards for Regulated Substances Detected in Soil
Avery Dennison Facility, Flowery Branch, GA – HSI #10578

| HSRA Name | CAS No!. | Type 3 GW RRS | Type 4 GW RRS | Selected GW RRS | Cw DAF=20 | Kd | H' | SSL RRS | RAGS Eq. 6 | RAGS Eq. 7 | Type 4 Soil RRS Candidate |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (unitless) | (unitless) | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (L/kg) | (unitless) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) |
| 2-Butanone (MEK) | 78-93-3 | 2 | 12 | 12 | 236 | 4.51 | 2.3E-03 | 49.3 | NA | 54518 | 49 |
| 1,1-Dichloroethane | 75-34-3 | 4 | 0.046 | 4 | 80 | 31.82 | 2.3E-01 | 22.7 | 53.7 | 408800 | 22.7 |
| 1,1-Dichloroethene | 75-35-4 | 0.007 | 0.52 | 0.52 | 10.48 | 31.82 | 1.1E+00 | 3.76 | NA | 252 | 3.76 |
| 1,2-Dichloroethane | 107-06-2 | 0.005 | 0.003 | 0.005 | 0.1 | 39.60 | 4.8E-02 | 0.028 | 8.1 | 53 | 0.028 |
| 1,1,1-Trichloroethane | 71-55-6 | 0.2 | 14 | 14 | 273 | 43.89 | 7.0E-01 | 95.5 | NA | 11274 | 95.5 |
| 1,1,2-Trichloroethane | 79-00-5 | 0.005 | 0.005 | 0.005 | 0.1 | 60.70 | 3.4E-02 | 0.032 | 22.0 | 3 | 0.032 |
| 1.4-Dioxane | 123-91-1 | 0.070 | 0.029 | 0.070 | 1.4 | 2.63 | 2.0E-04 | 0.287 | 572 | 61320 | 0.29 |
| Acetone | 67-64-1 | 4 | 46 | 46 | 912 | 2.36 | 1.4E-03 | 187 | NA | 260347 | 187 |
| Carbon disulfide | 75-15-0 | 4 | 1.7 | 4 | 80 | 21.73 | 5.9E-01 | 23.7 | NA | 907 | 24 |
| Chloroethane | 75-00-3 | 0.01* | 28 | 28 | 556 | 21.73 | 4.5E-01 | 158 | NA | 15331 | 158 |
| Chloroform | 67-66-3 | 0.1 | 0.003 | 0.1 | 2 | 31.82 | 1.5E-01 | 0.554 | 4.9 | 387 | 0.55 |
| Cis-1,2-Dichloroethene | 156-59-2 | 0.07 | 0.2 | 0.2 | 4.1 | 39.60 | 1.7E-01 | 1.2 | NA | 4088 | 1.2 |
| Ethylbenzene | 100-41-4 | 0.7 | 0.029 | 0.7 | 14 | 446.10 | 3.2E-01 | 15.7 | 121.8 | 10558 | 16 |
| Methylene chloride | 75-09-2 | 0.005 | 0.12 | 0.12 | 2.4 | 21.73 | 1.3E-01 | 0.610 | 6634 | 1608 | 0.6 |
| Styrene | 100-42-5 | 0.1 | 2.6 | 2.6 | 51 | 446.10 | 1.1E-01 | 56.3 | NA | 17732 | 56 |
| Tetrachloroethene | 127-18-4 | 0.005 | 0.004 | 0.005 | 0.1 | 94.94 | 7.2E-01 | 0.0455 | 409 | 152 | 0.046 |
| Toluene | 108-88-3 | 1 | 5.2 | 5.2 | 105 | 233.90 | 2.7E-01 | 72.5 | NA | 32845 | 73 |
| trans-1,2-Dichloroethene | 156-60-5 | 0.1 | 0.16 | 0.16 | 3.2 | 39.60 | 1.7E-01 | 0.949 | NA | 239 | 0.95 |
| Trichloroethene | 79-01-6 | 0.005 | 0.028 | 0.034 | 0.6 | 60.70 | 4.0E-01 | 0.246 | 24 | 7 | 0.25 |
| Xylene, Mixture | 1330-20-7 | 10 | 0.3 | 10 | 200 | 382.90 | 2.1E-01 | 197 | NA | 1141 | 197 |
| Arsenic | 7440-38-2 | 0.01 | 0.002 | 0.05 | 0 | 29.00 | | 29.2 | 38.1 | 610 | 29 |
| Barium, | 7440-39-3 | 2 | 7.3 | 7.3 | 146 | 41.00 | | 6015 | NA | 364691 | 6015 |
| Chromium(III) | 16065-83-1 | 0.1 | 153 | 0.1 | 2 | 1.8E+06 | | 3.6E+06 | NA | 15 | 1E+05[1] |
| Chromium(VI) | 18540-29-9 | 0.1 | 0.0057 | 0.0057 | 0.11 | 19 | | 2.2 | 108.9 | 6077 | 2.2 |
| Fluorotrichloromethane | 75-69-4 | 2 | 1.9 | 2 | 0.3 | 43.89 | 4.0E+00 | 2570 | NA | 516 | 516 |
| Vinyl chloride | 75-01-4 | 0.002 | 0.003 | 0.003 | 40 | 21.73 | 1.1E+00 | 1.38 | 5.1 | 84 | 1.4 |
| Carbon tetrachloride | 56-23-5 | 0.005 | 0.004 | 0.005 | 0.065 | 43.89 | 1.1E+00 | 3.89 | 8.4 | 179 | 3.9 |
| 1,4-Dichlorobenzene | 106-46-7 | 0.075 | 0.007 | 0.075 | 0.2 | 375.30 | 9.9E-02 | 144 | 52.3 | 14805 | 52 |
| Selenium | 7782-49-2 | 0.05 | 0.18 | 0.18 | 1.5 | 5.00 | | 19.0 | NA | 10219 | 19 |
| Methylcyclohexane | 108-87-2 | Not Regulated | | | | | | | | | |

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[1] When the calculated value in ppm (mg/kg) is greater than 1,000,000, the value of 10% or 1E+05 ppm is used

**ATTACHMENT 1 – NOVEMBER 7, 2012 Email from GA EPD Risk Assessment Unit**

**Subject:** Exposure Factors for the Excavation Worker

**From:** "Shanna Alexander" <Shanna.Alexander@dnr.state.ga.us>(Add as Preferred Sender)
**Date:** Wed, Nov 07, 2012 10:03 am
**To:** <ted@tedsimon-toxicology.com>

Ted,

Given the little site information relayed from you this morning via phone about the site in question, here are the recommended exposure factors commonly used and accepted for the quantitative evaluation of the soil ingestion and inhalation pathways for an excavation worker under the RCRA and NPL programs. As discussed, sites under the HSRA program divides receptors into residential and non-residential receptor groups. Therefore, construction/excavation workers, utility workers and commercial/industrial workers are all assessed under the Type 3 (default) and Type 4 (site-specific) RRS. Default exposure factors for non-residential receptors can be found in App. III, Table 3 of the Georgia Rules for Hazardous Site Response (HSRA Rules):http://rules.sos.state.ga.us/docs/391/3/19/Appendix%20I-IV.pdf. Given this information, I would recommend checking in with the assigned compliance officer to clarify their request for quantitative evaluation of this receptor given the existing default exposure factors in the Rules for non-residential site receptors.

Another noteworthy point is that unless the site is under the Voluntary Remediation Program or seeking compliance to the Type 5 soil RRS, evaluation of the dermal exposure pathway is not required as the dermal risk is deemed insignificant for the Type 1-4 RRS for soil.

Ingestion Rate of Soil (IRs) - 330 mg/day
Fraction Ingested (FI) - 1
Exposure Duration (ED) - 0.5 years (any proposed value based on professional judgment of less than a 6-mos. contracted period will require adequate justification)
Exposure Frequency (EF) - 130 days/yr (5 days/week over 6 months)
Inhalation Rate (IRa) - 20 m3/day

The body weight and averaging time (cancer and non-cancer) parameters will remain the same as recommended in App. III, Table 3 of the HSRA Rules. Please feel free to contact me if you need further assistance and/or have questions regarding this.

Regards,

Shanna Alexander
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Risk Assessment Unit
Georgia Environmental Protection Division
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**ATTACHMENT 2 – Revised Tables 4, 5, 7, 8 and 9 of March 2010 SLERA Refinement**

Table 4. COPEC Selection in Surface Water

| Chemical | N | # Det. | Frequency | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Screening Benchmark* (ug/L) | Potential for Bioaccumulation | COPEC (Y/N) |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOCs (ug/L)** | | | | | | | | | | |
| 1,1,1-Trichloroethane | 51 | 14 | 27% | <0.61 | <5.0 | 1.2 | 25 | 11 / 11 | N | Y |
| 1,1-Dichloroethane | 51 | 7 | 14% | <0.57 | <5.0 | 1.1 | 12 | 47 / 47 | N | N |
| 1,1-Dichloroethene | 51 | 21 | 41% | <0.68 | <5.0 | 1.1 | 47 | 25 / 25 | N | Y |

* EC25 Bass Population SW Screening Benchmark / EPA R4 Chronic SW Screening Benchmark from http://rais.ornl.gov (lowest two benchmarks chosen).

Table 5. COPEC Selection in Sediment

| Chemical | N | # Det. | Freq | Min. DL | Max. DL | Min. Detect | Max. Detect | OSWER Ecotox Thresholds (µg/kg) | EPA R4/R5 Sediment Screening Benchmark (µg/kg) | EPA R3 BTAG Freshwater Sediment Screening Benchmark (µg/kg) | COPEC (Y/N)[2] |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 14 | 2 | 14% | <5.5 | <10.27 | 23 | 110 | 170 | NA / 213 | 30.2 | N/N/Y |
| 1,1-Dichloroethane | 14 | 3 | 21% | <5.9 | <10.3 | 4 | 19 | NA | NA / 0.575 | NA | Y |
| 1,1-Dichloroethene | 14 | 2 | 14% | <2.5 | <10.27 | 18.00 | 64 | NA | NA / 19.4 | 31 | Y/Y |

[2] The number of Y/N responses in this column reflects the number of screening benchmarks to which the max detect was compared.

Table 7. COPEC Selection in the Groundwater-Surface Water Transition Zone

| Chemical | N | # Det. | Freq. | Minimum Non-detect | Maximum Non-detect | Min. Detect | Max. Detect | 30% Max as Transition Zone Conc. | Tier II SCV SW Screening Benchmark (µg/L) | EPA R3 BTAG Freshwater Screening Benchmark (µg/L) | COPEC (Y/N) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **VOCs (ug/L)** | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 77 | 29 | 38% | <1.00 | <5.0 | 10 | 260 | 78 | 11 | 11 | Y |
| 1,1-Dichloroethane | 77 | 35 | 45% | <0.64 | <5.0 | 1.0 | 370 | 111 | 47 | 47 | Y |
| 1,1-Dichloroethene | 77 | 41 | 53% | <0.99 | <5.0 | 1.0 | 790 | 237 | 25 | 25 | Y |
| Chloroethane | 77 | 2 | 3% | <1.00 | <10.0 | 1.5 | 1.6 | NA | NA | NA | N* |
| Toluene | 77 | 2 | 3% | <0.62 | <5.0 | 9.7 | 33 | NA | 9.8 | 2 | N* |
| Trichloroethene | 77 | 4 | 5% | <0.47 | <5.0 | 1.0 | 1.9 | 0.57 | 47 | 21 | N |
| Vinyl chloride | 77 | 9 | 12% | <0.86 | <2.0 | 2.1 | 21 | 6.3 | NA | 930 | N |

* Frequency of detection < 5% see RAGS, Part A p. 5-22

Table 8. Screening Risk Calculation and Initial Refinement

| Surface Water | | | | | |
|---|---|---|---|---|---|
| **Chemical** | **95% UCL** | **Maximum Detect** | **Screening Benchmarks (µg/L)** | **Preliminary Hazard Quotient[3]** | **Refined Hazard Quotient based on UCL[4]** |
| 1,1,1-Trichloroethane | 3.921[5] | 25 | 11 / 11 | 2 | 0.3 |
| 1,1-Dichloroethene | 6.521[7] | 47 | 25 / 25 | 2 | 0.3 |
| Sediment | | | | | |
| **Chemical** | **95% UCL** | **Maximum Detect** | **Screening Benchmarks (µg/kg)** | **Preliminary Hazard Quotient[5]** | **Refined Hazard Quotient based on UCL** |
| 1,1,1-Trichloroethane | 29.21[6] | 110 | 170 / 213 / 30.2 | 4 | <1 (0.14) - <1 (0.97) |
| 1,1-Dichloroethane | 16.73[7] | 19 | 0.575 | 33[7] | 30 (29)[6, 9] |
| 1,1-Dichloroethene | 29.22[7] | 64 | 19.4 / 31 | 3 | <1 (0.94) – 2 (1.5) |

| Groundwater-Surface Water Transition | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Chemical** | **95% UCL** | **30% of the 95.% UCL** | **Maximum Detect** | **30% of the Max** | **Screening Benchmarks (µg/L)** | **Preliminary Hazard Quotient** | **Refined Hazard Quotient based on 30% of UCL** |
| 1,1,1-Trichloroethane | 56.55[7] | 16.97 | 260 | 78 | 11 / 11 | 7 | 2 (1.5) |
| 1,1-Dichloroethane | 58.36[8] | 17.51 | 370 | 111 | 47 / 47 | 2 | <1 (0.4) |
| 1,1-Dichloroethene | 107.8[8] | 32.34 | 790 | 237 | 25 / 25 | 9 | 1 (1.3) |

[3] Preliminary HQ calculated as the ratio between the maximum detect and the benchmark.
[4] Refined HQ calculated as the ratio between the UCL and the benchmark.
[5] 95% KM(t) UCL (recommended by ProUCL). For some of the ProUCL calculations, the bootstrap and some of the Kaplan-Meier calculations, random numbers are used and, for this reason, additional ProUCL runs may not be to reproduce UCL values exactly.
[6] 95% KM (bootstrap t) UCL (used because the recommended 95% KM(BCA) UCL was the same value as the maximum detect)
[7] Two significant digits to show difference between the preliminary HQ and refined HQ
[8] 95% KM (BCA) UCL (recommended by ProUCL)

Table 9. Additional Refinement of Screening Level Risk Calculation for the Groundwater-Surface Transition Zone and for Sediment. This table provides a range of HQ values based on various values of screening benchmarks.

| Groundwater-Surface Water Transition | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Chemical** | **Arithmetic Mean Normal DL/2** | **95% UCL** | **10% of the UCL as a Transition Zone Conc.** | **30% of the UCL as a Transition Zone Conc.** | **Tier II SCV SW Screening Benchmark (µg/L)[9]** | **EPA R6 Chronic Freshwater Benchmark (µg/L)[11]** | **HQ Range[10]** |
| **VOCs (µg/L)** | | | | | | | |
| 1,1,1-Trichloroethane | 40.3 | 56.55 | 5.66 | 16.97 | 11 | 4900 | **0.001 - 2(1.5)** |
| 1,1-Dichloroethene | 75.92 | 107.8 | 10.78 | 32.24 | 25 | 3000 | **0.004 - 1** |
| Sediment | | | | | | | |
| **Chemical** | **Average Concentration** | **95% UCL** | **Maximum Detect** | **EPA R5 Sediment Screening Benchmark (µg/kg)[12]** | **Texas Commission on Environmental Quality Sediment Benchmark (µg/kg)[12]** | | **HQ Range[11]** |
| | | | | | | | |
| 1,1-Dichloroethane | 5.546 | 16.73 | 19 | 0.575 | 13890 | | **0.001 - 30** |
| 1,1-Dichloroethene | 8.904 | 29.22 | 64 | 19.4 | 11200 | | **0.002 - 2** |

[9] To provide additional context for these HQ values, the highest and lowest benchmarks from http://rais.ornl.gov were used. For 1,1-DCE and 1,1-DCA in sediment, the TCEQ benchmark was used to provide perspective.

[10] For the GWSW transition, the range of HQ values was based on the use of the 10% UCL and 30% UCL with the highest and lowest benchmarks respectively. Hence 5.66/4900 = 0.001 and 16.97/11 = 2. The range changed from a previous version due to the use of a different upper benchmark value (200 previously, now 4900). For sediment, the UCL was used with both benchmarks. Hence. 16.73/13890 = 0.001 and 16.73/0.575 = 30.

**ATTACHMENT 3 – ProUCL Input and Output Files (PDF Format)**

| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|
| | | | 111TCA | D_111TCA | 11DCA | D_11DCA | 11DCE | D_11DCE |
| 1 | SW-0 | 2/22/07 | 1.8 | 1 | 1.1 | 1 | 3.6 | 1 |
| 2 | SW-0 | 10/20/09 | 1.2 | 1 | 1 | 0 | 2.8 | 1 |
| 3 | SW-1 | 3/15/05 | 5 | 0 | 5.0 | 0 | 5 | 0 |
| 4 | SW-1 | 6/23/06 | 8.6 | 1 | 5 | 0 | 10 | 1 |
| 5 | SW-1 | 10/10/06 | 5 | 0 | 5.0 | 0 | 9.4 | 1 |
| 6 | SW-1 | 2/22/07 | 5 | 0 | 5 | 0 | 6.5 | 1 |
| 7 | SW-1 | 5/19/07 | 7.8 | 1 | 5 | 0 | 10 | 1 |
| 8 | SW-1 | 10/23/07 | 9 | 1 | 5.2 | 1 | 19.0 | 1 |
| 9 | SW-1 | 6/10/09 | 2.5 | 1 | 1.4 | 1 | 5 | 1 |
| 10 | SW-1DUP | 6/10/09 | 2.5 | 1 | 1.3 | 1 | 5.4 | 1 |
| 11 | SW-1 | 10/20/09 | 1.2 | 1 | 1 | 0 | 2.8 | 1 |
| 12 | SW-1DUP | 10/20/09 | 1.3 | 1 | 1 | 0 | 3.0 | 1 |
| 13 | SW-2 | 3/15/05 | 5 | 0 | 5 | 0 | 5 | 0 |
| 14 | SW-2 | 6/25/06 | 5 | 0 | 5 | 0 | 5.0 | 0 |
| 15 | SW-2 | 10/10/06 | 7.7 | 1 | 5 | 0 | 14 | 1 |
| 16 | SW-2 | 2/22/07 | 5 | 0 | 5 | 0 | 6.7 | 1 |
| 17 | SW-2 | 5/19/07 | 18 | 1 | 5.7 | 1 | 24.0 | 1 |
| 18 | SW-2 | 10/23/07 | 25 | 1 | 12 | 1 | 47 | 1 |
| 19 | SW-2 | 6/10/09 | 3.4 | 1 | 1.8 | 1 | 6.5 | 1 |
| 20 | SW-2 | 10/20/09 | 1.5 | 1 | 1 | 0 | 3.3 | 1 |
| 21 | SW-3 | 3/15/05 | 5 | 0 | 5 | 0 | 5.0 | 0 |
| 22 | SW-3 | 6/25/06 | 5 | 0 | 5 | 0 | 5 | 0 |
| 23 | SW-3 | 10/10/06 | 5 | 0 | 5 | 0 | 5 | 0 |
| 24 | SW-3 | 2/22/07 | 5 | 0 | 5 | 0 | 5 | 0 |
| 25 | SW-3 | 5/19/07 | 5 | 0 | 5 | 0 | 5.9 | 1 |
| 26 | SW-3 | 10/23/07 | 5 | 0 | 5 | 0 | 5 | 0 |
| 27 | SW-3 | 6/10/09 | 1 | 0 | 1 | 0 | 1.6 | 1 |
| 28 | SW-3 | 10/20/09 | 1 | 0 | 1 | 0 | 1.2 | 1 |
| 29 | SW-4 | 3/15/05 | 5 | 0 | 5 | 0 | 5 | 0 |
| 30 | SW-4 | 6/25/06 | 5 | 0 | 5 | 0 | 5 | 0 |
| 31 | SW-4 | 10/10/06 | 5 | 0 | 5 | 0 | 5 | 0 |
| 32 | SW-4 | 2/22/07 | 5 | 0 | 5 | 0 | 5 | 0 |
| 33 | SW-4 | 5/19/07 | 5 | 0 | 5 | 0 | 5 | 0 |
| 34 | SW-4 | 10/23/07 | 5 | 0 | 5 | 0 | 5 | 0 |
| 35 | SW-4 | 6/10/09 | 1 | 0 | 1 | 0 | 1.1 | 1 |
| 36 | SW-5 | 6/10/09 | 1 | 0 | 1 | 0 | 1 | 0 |
| 37 | SW-2 | 3/15/05 | 5 | 0 | 5 | 0 | 5 | 0 |
| 38 | SW-2 | 6/25/06 | 5 | 0 | 5 | 0 | 5 | 0 |
| 39 | SW-5 | 3/15/05 | 5 | 0 | 5 | 0 | 5 | 0 |
| 40 | SW-5 | 6/25/06 | 5 | 0 | 5 | 0 | 5 | 0 |
| 41 | SW-5 | 10/10/06 | 5 | 0 | 5 | 0 | 5 | 0 |
| 42 | SW-5 | 2/22/07 | 5 | 0 | 5 | 0 | 5 | 0 |
| 43 | SW-4 | 10/20/09 | 1 | 0 | 1 | 0 | 1 | 0 |
| 44 | SW-5 | 6/10/09 | 1 | 0 | 1 | 0 | 1 | 0 |
| 45 | SW-5 | 5/19/07 | 5 | 0 | 5 | 0 | 5 | 0 |
| 46 | SW-5 | 10/23/07 | 5 | 0 | 5 | 0 | 5 | 0 |
| 47 | SW-6 | 3/15/05 | 5 | 0 | 5 | 0 | 5 | 0 |
| 48 | SW-6 | 6/25/06 | 5 | 0 | 5 | 0 | 5 | 0 |
| 49 | SW-6 | 10/10/06 | 5 | 0 | 5 | 0 | 5 | 0 |
| 50 | SW-6 | 2/22/07 | 5 | 0 | 5 | 0 | 5 | 0 |
| 51 | SW-5 | 10/20/09 | 1 | 0 | 1 | 0 | 1 | 0 |

General UCL Statistics for Data Sets with Non-Detects

| User Selected Options | |
|---|---|
| From File | \JohnsonCo\Avery eco\data\SW-Data.wst |
| Full Precision | OFF |
| Confidence Coefficient | 95% |
| Number of Bootstrap Operations | 2000 |

111TCA

**General Statistics**

| | | | |
|---|---|---|---|
| Number of Valid Data | 51 | Number of Detected Data | 14 |
| Number of Distinct Detected Data | 12 | Number of Non-Detect Data | 37 |
| | | Percent Non-Detects | 72.55% |

| Raw Statistics | | Log-transformed Statistics | |
|---|---|---|---|
| Minimum Detected | 1.2 | Minimum Detected | 0.182 |
| Maximum Detected | 25 | Maximum Detected | 3.219 |
| Mean of Detected | 6.536 | Mean of Detected | 1.374 |
| SD of Detected | 7.126 | SD of Detected | 1.037 |
| Minimum Non-Detect | 1 | Minimum Non-Detect | 0 |
| Maximum Non-Detect | 5 | Maximum Non-Detect | 1.609 |
| Note: Data have multiple DLs - Use of KM Method is recommended | | Number treated as Non-Detect | 45 |
| For all methods (except KM, DL/2, and ROS Methods), | | Number treated as Detected | 6 |
| Observations < Largest ND are treated as NDs | | Single DL Non-Detect Percentage | 88.24% |

**UCL Statistics**

| Normal Distribution Test with Detected Values Only | | Lognormal Distribution Test with Detected Values Only | |
|---|---|---|---|
| Shapiro Wilk Test Statistic | 0.759 | Shapiro Wilk Test Statistic | 0.905 |
| 5% Shapiro Wilk Critical Value | 0.874 | 5% Shapiro Wilk Critical Value | 0.874 |
| Data not Normal at 5% Significance Level | | Data appear Lognormal at 5% Significance Level | |
| **Assuming Normal Distribution** | | **Assuming Lognormal Distribution** | |
| DL/2 Substitution Method | | DL/2 Substitution Method | |
| Mean | 3.333 | Mean | 0.821 |
| SD | 4.197 | SD | 0.831 |
| 95% DL/2 (t) UCL | 4.318 | 95% H-Stat (DL/2) UCL | 4.13 |
| Maximum Likelihood Estimate(MLE) Method | N/A | Log ROS Method | |
| MLE method failed to converge properly | | Mean in Log Scale | 0.0521 |
| | | SD in Log Scale | 1.357 |
| | | Mean in Original Scale | 2.594 |
| | | SD in Original Scale | 4.493 |
| | | 95% t UCL | 3.649 |
| | | 95% Percentile Bootstrap UCL | 3.674 |
| | | 95% BCA Bootstrap UCL | 3.977 |
| | | 95% H-UCL | 4.443 |
| **Gamma Distribution Test with Detected Values Only** | | **Data Distribution Test with Detected Values Only** | |
| k star (bias corrected) | 0.936 | Data appear Gamma Distributed at 5% Significance Level | |
| Theta Star | 6.985 | | |
| nu star | 26.2 | | |

| | | | |
|---|---|---|---|
| A-D Test Statistic | 0.684 | **Nonparametric Statistics** | |
| 5% A-D Critical Value | 0.758 | Kaplan-Meier (KM) Method | |
| K-S Test Statistic | 0.758 | Mean | 2.892 |
| 5% K-S Critical Value | 0.235 | SD | 4.271 |
| **Data appear Gamma Distributed at 5% Significance Level** | | SE of Mean | 0.633 |
| | | 95% KM (t) UCL | 3.954 |
| **Assuming Gamma Distribution** | | 95% KM (z) UCL | 3.934 |
| Gamma ROS Statistics using Extrapolated Data | | 95% KM (jackknife) UCL | 3.928 |
| Minimum | 1.0000E-6 | 95% KM (bootstrap t) UCL | 4.763 |
| Maximum | 25 | 95% KM (BCA) UCL | 4.086 |
| Mean | 2.795 | 95% KM (Percentile Bootstrap) UCL | 4.059 |
| Median | 1.0000E-6 | 95% KM (Chebyshev) UCL | 5.653 |
| SD | 4.853 | 97.5% KM (Chebyshev) UCL | 6.847 |
| k star | 0.115 | 99% KM (Chebyshev) UCL | 9.194 |
| Theta star | 24.31 | | |
| Nu star | 11.73 | **Potential UCLs to Use** | |
| AppChi2 | 5.047 | 95% KM (t) UCL | 3.954 |
| 95% Gamma Approximate UCL (Use when n >= 40) | 6.494 | | |
| 95% Adjusted Gamma UCL (Use when n < 40) | 6.662 | | |

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
For additional insight, the user may want to consult a statistician.

**11DCE**

**General Statistics**

| | | | |
|---|---|---|---|
| Number of Valid Data | 51 | Number of Detected Data | 21 |
| Number of Distinct Detected Data | 18 | Number of Non-Detect Data | 30 |
| | | Percent Non-Detects | 58.82% |

| **Raw Statistics** | | **Log-transformed Statistics** | |
|---|---|---|---|
| Minimum Detected | 1.1 | Minimum Detected | 0.0953 |
| Maximum Detected | 47 | Maximum Detected | 3.85 |
| Mean of Detected | 8.99 | Mean of Detected | 1.741 |
| SD of Detected | 10.5 | SD of Detected | 0.96 |
| Minimum Non-Detect | 1 | Minimum Non-Detect | 0 |
| Maximum Non-Detect | 5 | Maximum Non-Detect | 1.609 |
| | | | |
| Note: Data have multiple DLs - Use of KM Method is recommended | | Number treated as Non-Detect | 38 |
| For all methods (except KM, DL/2, and ROS Methods), | | Number treated as Detected | 13 |
| Observations < Largest ND are treated as NDs | | Single DL Non-Detect Percentage | 74.51% |

**UCL Statistics**

| **Normal Distribution Test with Detected Values Only** | | **Lognormal Distribution Test with Detected Values Only** | |
|---|---|---|---|
| Shapiro Wilk Test Statistic | 0.679 | Shapiro Wilk Test Statistic | 0.98 |
| 5% Shapiro Wilk Critical Value | 0.908 | 5% Shapiro Wilk Critical Value | 0.908 |
| Data not Normal at 5% Significance Level | | Data appear Lognormal at 5% Significance Level | |
| | | | |
| **Assuming Normal Distribution** | | **Assuming Lognormal Distribution** | |

| | |
|---|---|
| DL/2 Substitution Method | |
| Mean | 5.016 |
| SD | 7.46 |
| 95% DL/2 (t) UCL | 6.766 |
| | |
| Maximum Likelihood Estimate(MLE) Method | N/A |
| **MLE yields a negative mean** | |

| | |
|---|---|
| DL/2 Substitution Method | |
| Mean | 1.13 |
| SD | 0.903 |
| 95% H-Stat (DL/2) UCL | 6.164 |
| | |
| Log ROS Method | |
| Mean in Log Scale | 0.763 |
| SD in Log Scale | 1.235 |
| Mean in Original Scale | 4.607 |
| SD in Original Scale | 7.662 |
| 95% t UCL | 6.405 |
| 95% Percentile Bootstrap UCL | 6.399 |
| 95% BCA Bootstrap UCL | 7.205 |
| 95% H-UCL | 7.194 |

| **Gamma Distribution Test with Detected Values Only** | |
|---|---|
| k star (bias corrected) | 1.093 |
| Theta Star | 8.227 |
| nu star | 45.9 |
| | |
| A-D Test Statistic | 0.508 |
| 5% A-D Critical Value | 0.764 |
| K-S Test Statistic | 0.764 |
| 5% K-S Critical Value | 0.194 |
| **Data appear Gamma Distributed at 5% Significance Level** | |

| **Data Distribution Test with Detected Values Only** |
|---|
| **Data appear Gamma Distributed at 5% Significance Level** |

| **Assuming Gamma Distribution** | |
|---|---|
| Gamma ROS Statistics using Extrapolated Data | |
| Minimum | 1.0000E-6 |
| Maximum | 47 |
| Mean | 4.629 |
| Median | 2.524 |
| SD | 7.871 |
| k star | 0.137 |
| Theta star | 33.9 |
| Nu star | 13.93 |
| AppChi2 | 6.523 |
| 95% Gamma Approximate UCL (Use when n >= 40) | 9.885 |
| 95% Adjusted Gamma UCL (Use when n < 40) | 10.11 |

| **Nonparametric Statistics** | |
|---|---|
| Kaplan-Meier (KM) Method | |
| Mean | 4.799 |
| SD | 7.488 |
| SE of Mean | 1.089 |
| 95% KM (t) UCL | 6.624 |
| 95% KM (z) UCL | 6.591 |
| 95% KM (jackknife) UCL | 6.581 |
| 95% KM (bootstrap t) UCL | 8.036 |
| 95% KM (BCA) UCL | 6.981 |
| 95% KM (Percentile Bootstrap) UCL | 6.855 |
| 95% KM (Chebyshev) UCL | 9.546 |
| 97.5% KM (Chebyshev) UCL | 11.6 |
| 99% KM (Chebyshev) UCL | 15.63 |
| | |
| **Potential UCLs to Use** | |
| 95% KM (t) UCL | 6.624 |

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

| | 0 | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|---|
| | 111-TCA | D_111-TCA | 11-DCA | D_11-DCA | 11-DCE | D_11-DCE |
| 1 | 6.4 | 0 | 6.4 | 0 | 6.4 | 0 |
| 2 | 10.3 | 0 | 10.3 | 0 | 10.3 | 0 |
| 3 | 7.5 | 0 | 7.5 | 0 | 7.5 | 0 |
| 4 | 7.1 | 0 | 7.1 | 0 | 7.1 | 0 |
| 5 | 23 | 0 | 7.4 | 0 | 7.4 | 0 |
| 6 | 7.1 | 0 | 7.1 | 0 | 7.1 | 0 |
| 7 | 6.9 | 0 | 6.9 | 0 | 6.9 | 0 |
| 8 | 110 | 1 | 19 | 1 | 64 | 1 |
| 9 | 5.9 | 0 | 5.9 | 0 | 5.9 | 0 |
| 10 | 23 | 1 | 16 | 1 | 18 | 1 |
| 11 | 5.5 | 0 | 5.5 | 0 | 5.5 | 0 |
| 12 | 6 | 0 | 6 | 0 | 6 | 0 |
| 13 | 6.4 | 0 | 6.4 | 0 | 6.4 | 0 |
| 14 | 8.8 | 0 | 8.8 | 0 | 8.8 | 0 |

General UCL Statistics for Data Sets with Non-Detects

| User Selected Options | |
|---|---|
| From File | \JohnsonCo\Avery eco\data\Sed-Data.wst |
| Full Precision | OFF |
| Confidence Coefficient | 95% |
| Number of Bootstrap Operations | 2000 |

111-TCA

**General Statistics**

| | | | |
|---|---|---|---|
| Number of Valid Data | 14 | Number of Detected Data | 2 |
| Number of Distinct Detected Data | 2 | Number of Non-Detect Data | 12 |
| | | Percent Non-Detects | 85.71% |

| Raw Statistics | | Log-transformed Statistics | |
|---|---|---|---|
| Minimum Detected | 23 | Minimum Detected | 3.135 |
| Maximum Detected | 110 | Maximum Detected | 4.7 |
| Mean of Detected | 66.5 | Mean of Detected | 3.918 |
| SD of Detected | 61.52 | SD of Detected | 1.107 |
| Minimum Non-Detect | 5.5 | Minimum Non-Detect | 1.705 |
| Maximum Non-Detect | 23 | Maximum Non-Detect | 3.135 |
| Note: Data have multiple DLs - Use of KM Method is recommended | | Number treated as Non-Detect | 12 |
| For all methods (except KM, DL/2, and ROS Methods), | | Number treated as Detected | 2 |
| Observations < Largest ND are treated as NDs | | Single DL Non-Detect Percentage | 85.71% |

Warning: Data set has only 2 Distinct Detected Values.

This may not be adequate enough to compute meaningful and reliable test statistics and estimates.

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

**Unless Data Quality Objectives (DQOs) have been met, it is suggested to collect additional observations.**

The number of detected data may not be adequate enough to perform GOF tests, bootstrap, and ROS methods.

Those methods will return a 'N/A' value on your output display!

**It is necessary to have 4 or more Distinct Values for bootstrap methods.**

**However, results obtained using 4 to 9 distinct values may not be reliable.**

**It is recommended to have 10 to 15 or more observations for accurate and meaningful results and estimates.**

**UCL Statistics**

| Normal Distribution Test with Detected Values Only | | Lognormal Distribution Test with Detected Values Only | |
|---|---|---|---|
| Shapiro Wilk Test Statistic | N/A | Shapiro Wilk Test Statistic | N/A |
| 5% Shapiro Wilk Critical Value | N/A | 5% Shapiro Wilk Critical Value | N/A |
| Data not Normal at 5% Significance Level | | Data not Lognormal at 5% Significance Level | |
| **Assuming Normal Distribution** | | **Assuming Lognormal Distribution** | |
| DL/2 Substitution Method | | DL/2 Substitution Method | |
| Mean | 13.1 | Mean | 1.715 |
| SD | 28.42 | SD | 1.045 |
| 95% DL/2 (t) UCL | 26.55 | 95% H-Stat (DL/2) UCL | 22.01 |

| | |
|---|---|
| Maximum Likelihood Estimate(MLE) Method | N/A |
| **MLE method failed to converge properly** | |

| | |
|---|---|
| Log ROS Method | |
| Mean in Log Scale | N/A |
| SD in Log Scale | N/A |
| Mean in Original Scale | N/A |
| SD in Original Scale | N/A |
| 95% t UCL | N/A |
| 95% Percentile Bootstrap UCL | N/A |
| 95% BCA Bootstrap UCL | N/A |
| 95% H-UCL | N/A |

**Gamma Distribution Test with Detected Values Only**

| | |
|---|---|
| k star (bias corrected) | N/A |
| Theta Star | N/A |
| nu star | N/A |
| A-D Test Statistic | N/A |
| 5% A-D Critical Value | N/A |
| K-S Test Statistic | N/A |
| 5% K-S Critical Value | N/A |

Data not Gamma Distributed at 5% Significance Level

**Assuming Gamma Distribution**

| | |
|---|---|
| Gamma ROS Statistics using Extrapolated Data | |
| Minimum | N/A |
| Maximum | N/A |
| Mean | N/A |
| Median | N/A |
| SD | N/A |
| k star | N/A |
| Theta star | N/A |
| Nu star | N/A |
| AppChi2 | N/A |
| 95% Gamma Approximate UCL (Use when n >= 40) | N/A |
| 95% Adjusted Gamma UCL (Use when n < 40) | N/A |

**Data Distribution Test with Detected Values Only**

Data do not follow a Discernable Distribution (0.05)

**Nonparametric Statistics**

| | |
|---|---|
| Kaplan-Meier (KM) Method | |
| Mean | 29.21 |
| SD | 22.41 |
| SE of Mean | 8.469 |
| 95% KM (t) UCL | 44.21 |
| 95% KM (z) UCL | 43.14 |
| 95% KM (jackknife) UCL | 88 |
| 95% KM (bootstrap t) UCL | 29.21 |
| 95% KM (BCA) UCL | 110 |
| 95% KM (Percentile Bootstrap) UCL | N/A |
| 95% KM (Chebyshev) UCL | 66.13 |
| 97.5% KM (Chebyshev) UCL | 82.1 |
| 99% KM (Chebyshev) UCL | 113.5 |

**Potential UCLs to Use**

| | |
|---|---|
| 95% KM (BCA) UCL | 110 |

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
For additional insight, the user may want to consult a statistician.

11-DCA

**General Statistics**

| | | | |
|---|---|---|---|
| Number of Valid Data | 14 | Number of Detected Data | 2 |
| Number of Distinct Detected Data | 2 | Number of Non-Detect Data | 12 |
| | | Percent Non-Detects | 85.71% |

| **Raw Statistics** | | **Log-transformed Statistics** | |
|---|---|---|---|
| Minimum Detected | 16 | Minimum Detected | 2.773 |
| Maximum Detected | 19 | Maximum Detected | 2.944 |
| Mean of Detected | 17.5 | Mean of Detected | 2.859 |
| SD of Detected | 2.121 | SD of Detected | 0.122 |

| | | | |
|---|---|---|---|
| Minimum Non-Detect | 5.5 | Minimum Non-Detect | 1.705 |
| Maximum Non-Detect | 10.3 | Maximum Non-Detect | 2.332 |
| | | | |
| Note: Data have multiple DLs - Use of KM Method is recommended | | Number treated as Non-Detect | 12 |
| For all methods (except KM, DL/2, and ROS Methods), | | Number treated as Detected | 2 |
| Observations < Largest ND are treated as NDs | | Single DL Non-Detect Percentage | 85.71% |

Warning: Data set has only 2 Distinct Detected Values.

This may not be adequate enough to compute meaningful and reliable test statistics and estimates.

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

Unless Data Quality Objectives (DQOs) have been met, it is suggested to collect additional observations.

The number of detected data may not be adequate enough to perform GOF tests, bootstrap, and ROS methods.

Those methods will return a 'N/A' value on your output display!

It is necessary to have 4 or more Distinct Values for bootstrap methods.

However, results obtained using 4 to 9 distinct values may not be reliable.

It is recommended to have 10 to 15 or more observations for accurate and meaningful results and estimates.

## UCL Statistics

| Normal Distribution Test with Detected Values Only | |
|---|---|
| Shapiro Wilk Test Statistic | N/A |
| 5% Shapiro Wilk Critical Value | N/A |
| Data not Normal at 5% Significance Level | |

| Lognormal Distribution Test with Detected Values Only | |
|---|---|
| Shapiro Wilk Test Statistic | N/A |
| 5% Shapiro Wilk Critical Value | N/A |
| Data not Lognormal at 5% Significance Level | |

| Assuming Normal Distribution | |
|---|---|
| DL/2 Substitution Method | |
| Mean | 5.546 |
| SD | 5.135 |
| 95% DL/2 (t) UCL | 7.977 |
| | |
| Maximum Likelihood Estimate(MLE) Method | N/A |
| MLE method failed to converge properly | |

| Assuming Lognormal Distribution | |
|---|---|
| DL/2 Substitution Method | |
| Mean | 1.483 |
| SD | 0.606 |
| 95% H-Stat (DL/2) UCL | 7.677 |
| | |
| Log ROS Method | |
| Mean in Log Scale | N/A |
| SD in Log Scale | N/A |
| Mean in Original Scale | N/A |
| SD in Original Scale | N/A |
| 95% t UCL | N/A |
| 95% Percentile Bootstrap UCL | N/A |
| 95% BCA Bootstrap UCL | N/A |
| 95% H-UCL | N/A |

| Gamma Distribution Test with Detected Values Only | |
|---|---|
| k star (bias corrected) | N/A |
| Theta Star | N/A |
| nu star | N/A |
| | |
| A-D Test Statistic | N/A |
| 5% A-D Critical Value | N/A |
| K-S Test Statistic | N/A |
| 5% K-S Critical Value | N/A |
| Data not Gamma Distributed at 5% Significance Level | |

| Data Distribution Test with Detected Values Only | |
|---|---|
| Data do not follow a Discernable Distribution (0.05) | |
| | |
| | |
| Nonparametric Statistics | |
| Kaplan-Meier (KM) Method | |
| Mean | 16.21 |
| SD | 0.773 |
| SE of Mean | 0.292 |

| | | | |
|---|---|---|---|
| | | 95% KM (t) UCL | 16.73 |
| Assuming Gamma Distribution | | 95% KM (z) UCL | 16.69 |
| Gamma ROS Statistics using Extrapolated Data | | 95% KM (jackknife) UCL | 18.24 |
| Minimum | N/A | 95% KM (bootstrap t) UCL | N/A |
| Maximum | N/A | 95% KM (BCA) UCL | 19 |
| Mean | N/A | 95% KM (Percentile Bootstrap) UCL | N/A |
| Median | N/A | 95% KM (Chebyshev) UCL | 17.49 |
| SD | N/A | 97.5% KM (Chebyshev) UCL | 18.04 |
| k star | N/A | 99% KM (Chebyshev) UCL | 19.12 |
| Theta star | N/A | | |
| Nu star | N/A | Potential UCLs to Use | |
| AppChi2 | N/A | 95% KM (t) UCL | 16.73 |
| 95% Gamma Approximate UCL (Use when n >= 40) | N/A | 95% KM (% Bootstrap) UCL | N/A |
| 95% Adjusted Gamma UCL (Use when n < 40) | N/A | | |

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
For additional insight, the user may want to consult a statistician.

11-DCE

General Statistics

| | | | |
|---|---|---|---|
| Number of Valid Data | 14 | Number of Detected Data | 2 |
| Number of Distinct Detected Data | 2 | Number of Non-Detect Data | 12 |
| | | Percent Non-Detects | 85.71% |

| Raw Statistics | | Log-transformed Statistics | |
|---|---|---|---|
| Minimum Detected | 18 | Minimum Detected | 2.89 |
| Maximum Detected | 64 | Maximum Detected | 4.159 |
| Mean of Detected | 41 | Mean of Detected | 3.525 |
| SD of Detected | 32.53 | SD of Detected | 0.897 |
| Minimum Non-Detect | 5.5 | Minimum Non-Detect | 1.705 |
| Maximum Non-Detect | 10.3 | Maximum Non-Detect | 2.332 |
| | | | |
| Note: Data have multiple DLs - Use of KM Method is recommended | | Number treated as Non-Detect | 12 |
| For all methods (except KM, DL/2, and ROS Methods), | | Number treated as Detected | 2 |
| Observations < Largest ND are treated as NDs | | Single DL Non-Detect Percentage | 85.71% |

Warning: Data set has only 2 Distinct Detected Values.
This may not be adequate enough to compute meaningful and reliable test statistics and estimates.
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

Unless Data Quality Objectives (DQOs) have been met, it is suggested to collect additional observations.

The number of detected data may not be adequate enough to perform GOF tests, bootstrap, and ROS methods.
Those methods will return a 'N/A' value on your output display!

It is necessary to have 4 or more Distinct Values for bootstrap methods.
However, results obtained using 4 to 9 distinct values may not be reliable.
It is recommended to have 10 to 15 or more observations for accurate and meaningful results and estimates.

## UCL Statistics

| Normal Distribution Test with Detected Values Only | |
|---|---|
| Shapiro Wilk Test Statistic | N/A |
| 5% Shapiro Wilk Critical Value | N/A |
| Data not Normal at 5% Significance Level | |
| | |
| **Assuming Normal Distribution** | |
| DL/2 Substitution Method | |
| Mean | 8.904 |
| SD | 16.33 |
| 95% DL/2 (t) UCL | 16.63 |
| | |
| Maximum Likelihood Estimate(MLE) Method | N/A |
| **MLE method failed to converge properly** | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| **Gamma Distribution Test with Detected Values Only** | |
| k star (bias corrected) | N/A |
| Theta Star | N/A |
| nu star | N/A |
| | |
| A-D Test Statistic | N/A |
| 5% A-D Critical Value | N/A |
| K-S Test Statistic | N/A |
| 5% K-S Critical Value | N/A |
| Data not Gamma Distributed at 5% Significance Level | |
| | |
| **Assuming Gamma Distribution** | |
| Gamma ROS Statistics using Extrapolated Data | |
| Minimum | N/A |
| Maximum | N/A |
| Mean | N/A |
| Median | N/A |
| SD | N/A |
| k star | N/A |
| Theta star | N/A |
| Nu star | N/A |
| AppChi2 | N/A |
| 95% Gamma Approximate UCL (Use when n >= 40) | N/A |
| 95% Adjusted Gamma UCL (Use when n < 40) | N/A |

| Lognormal Distribution Test with Detected Values Only | |
|---|---|
| Shapiro Wilk Test Statistic | N/A |
| 5% Shapiro Wilk Critical Value | N/A |
| Data not Lognormal at 5% Significance Level | |
| | |
| **Assuming Lognormal Distribution** | |
| DL/2 Substitution Method | |
| Mean | 1.578 |
| SD | 0.876 |
| 95% H-Stat (DL/2) UCL | 13.36 |
| | |
| Log ROS Method | |
| Mean in Log Scale | N/A |
| SD in Log Scale | N/A |
| Mean in Original Scale | N/A |
| SD in Original Scale | N/A |
| 95% t UCL | N/A |
| 95% Percentile Bootstrap UCL | N/A |
| 95% BCA Bootstrap UCL | N/A |
| 95% H-UCL | N/A |
| | |
| **Data Distribution Test with Detected Values Only** | |
| Data do not follow a Discernable Distribution (0.05) | |
| | |
| | |
| **Nonparametric Statistics** | |
| Kaplan-Meier (KM) Method | |
| Mean | 21.29 |
| SD | 11.85 |
| SE of Mean | 4.478 |
| 95% KM (t) UCL | 29.22 |
| 95% KM (z) UCL | 28.65 |
| 95% KM (jackknife) UCL | 52.37 |
| 95% KM (bootstrap t) UCL | N/A |
| 95% KM (BCA) UCL | 64 |
| 95% KM (Percentile Bootstrap) UCL | N/A |
| 95% KM (Chebyshev) UCL | 40.8 |
| 97.5% KM (Chebyshev) UCL | 49.25 |
| 99% KM (Chebyshev) UCL | 65.84 |
| | |
| **Potential UCLs to Use** | |
| 95% KM (t) UCL | 29.22 |
| 95% KM (% Bootstrap) UCL | N/A |
| | |

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

General UCL Statistics for Data Sets with Non-Detects

| User Selected Options | |
|---|---|
| From File | \JohnsonCo\Avery eco\data\GW-Data.wst |
| Full Precision | OFF |
| Confidence Coefficient | 95% |
| Number of Bootstrap Operations | 2000 |

**111-TCA**

**General Statistics**

| | | | |
|---|---|---|---|
| Number of Valid Data | 77 | Number of Detected Data | 29 |
| Number of Distinct Detected Data | 24 | Number of Non-Detect Data | 48 |
| | | Percent Non-Detects | 62.34% |

| Raw Statistics | | Log-transformed Statistics | |
|---|---|---|---|
| Minimum Detected | 10 | Minimum Detected | 2.303 |
| Maximum Detected | 260 | Maximum Detected | 5.561 |
| Mean of Detected | 103.7 | Mean of Detected | 4.457 |
| SD of Detected | 60.88 | SD of Detected | 0.677 |
| Minimum Non-Detect | 1 | Minimum Non-Detect | 0 |
| Maximum Non-Detect | 5 | Maximum Non-Detect | 1.609 |
| Note: Data have multiple DLs - Use of KM Method is recommended | | Number treated as Non-Detect | 48 |
| For all methods (except KM, DL/2, and ROS Methods), | | Number treated as Detected | 29 |
| Observations < Largest ND are treated as NDs | | Single DL Non-Detect Percentage | 62.34% |

**UCL Statistics**

| Normal Distribution Test with Detected Values Only | | Lognormal Distribution Test with Detected Values Only | |
|---|---|---|---|
| Shapiro Wilk Test Statistic | 0.893 | Shapiro Wilk Test Statistic | 0.919 |
| 5% Shapiro Wilk Critical Value | 0.926 | 5% Shapiro Wilk Critical Value | 0.926 |
| Data not Normal at 5% Significance Level | | Data not Lognormal at 5% Significance Level | |
| **Assuming Normal Distribution** | | **Assuming Lognormal Distribution** | |
| DL/2 Substitution Method | | DL/2 Substitution Method | |
| Mean | 40.29 | Mean | 1.999 |
| SD | 61.84 | SD | 2.043 |
| 95% DL/2 (t) UCL | 52.02 | 95% H-Stat (DL/2) UCL | 134.6 |
| Maximum Likelihood Estimate(MLE) Method | N/A | Log ROS Method | |
| MLE yields a negative mean | | Mean in Log Scale | 3.301 |
| | | SD in Log Scale | 1.139 |
| | | Mean in Original Scale | 49.42 |
| | | SD in Original Scale | 56.79 |
| | | 95% t UCL | 60.19 |
| | | 95% Percentile Bootstrap UCL | 60.95 |
| | | 95% BCA Bootstrap UCL | 61.81 |
| | | 95% H-UCL | 71.04 |
| **Gamma Distribution Test with Detected Values Only** | | **Data Distribution Test with Detected Values Only** | |
| k star (bias corrected) | 2.597 | Data appear Gamma Distributed at 5% Significance Level | |
| Theta Star | 39.91 | | |
| nu star | 150.6 | | |

| | | | |
|---|---|---|---|
| A-D Test Statistic | 0.55 | Nonparametric Statistics | |
| 5% A-D Critical Value | 0.753 | Kaplan-Meier (KM) Method | |
| K-S Test Statistic | 0.753 | Mean | 45.27 |
| 5% K-S Critical Value | 0.164 | SD | 58.37 |
| Data appear Gamma Distributed at 5% Significance Level | | SE of Mean | 6.77 |
| | | 95% KM (t) UCL | 56.55 |
| Assuming Gamma Distribution | | 95% KM (z) UCL | 56.41 |
| Gamma ROS Statistics using Extrapolated Data | | 95% KM (jackknife) UCL | 55.69 |
| Minimum | 1.0000E-6 | 95% KM (bootstrap t) UCL | 57.42 |
| Maximum | 260 | 95% KM (BCA) UCL | 71.97 |
| Mean | 39.04 | 95% KM (Percentile Bootstrap) UCL | 67.53 |
| Median | 1.0000E-6 | 95% KM (Chebyshev) UCL | 74.78 |
| SD | 62.62 | 97.5% KM (Chebyshev) UCL | 87.55 |
| k star | 0.0844 | 99% KM (Chebyshev) UCL | 112.6 |
| Theta star | 462.4 | | |
| Nu star | 13 | Potential UCLs to Use | |
| AppChi2 | 5.894 | 95% KM (t) UCL | 56.55 |
| 95% Gamma Approximate UCL (Use when n >= 40) | 86.12 | | |
| 95% Adjusted Gamma UCL (Use when n < 40) | 87.48 | | |

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
For additional insight, the user may want to consult a statistician.

11DCA

General Statistics

| | | | |
|---|---|---|---|
| Number of Valid Data | 77 | Number of Detected Data | 35 |
| Number of Distinct Detected Data | 30 | Number of Non-Detect Data | 42 |
| | | Percent Non-Detects | 54.55% |

| Raw Statistics | | Log-transformed Statistics | |
|---|---|---|---|
| Minimum Detected | 1 | Minimum Detected | 0 |
| Maximum Detected | 370 | Maximum Detected | 5.914 |
| Mean of Detected | 85.33 | Mean of Detected | 3.907 |
| SD of Detected | 88.73 | SD of Detected | 1.204 |
| Minimum Non-Detect | 0.64 | Minimum Non-Detect | -0.446 |
| Maximum Non-Detect | 5 | Maximum Non-Detect | 1.609 |
| Note: Data have multiple DLs - Use of KM Method is recommended | | Number treated as Non-Detect | 43 |
| For all methods (except KM, DL/2, and ROS Methods), | | Number treated as Detected | 34 |
| Observations < Largest ND are treated as NDs | | Single DL Non-Detect Percentage | 55.84% |

UCL Statistics

| Normal Distribution Test with Detected Values Only | | Lognormal Distribution Test with Detected Values Only | |
|---|---|---|---|
| Shapiro Wilk Test Statistic | 0.772 | Shapiro Wilk Test Statistic | 0.925 |
| 5% Shapiro Wilk Critical Value | 0.934 | 5% Shapiro Wilk Critical Value | 0.934 |
| Data not Normal at 5% Significance Level | | Data not Lognormal at 5% Significance Level | |
| Assuming Normal Distribution | | Assuming Lognormal Distribution | |

| | |
|---|---|
| DL/2 Substitution Method | |
| Mean | 39.85 |
| SD | 72.58 |
| 95% DL/2 (t) UCL | 53.62 |
| | |
| Maximum Likelihood Estimate(MLE) Method | N/A |
| **MLE yields a negative mean** | |

| | |
|---|---|
| DL/2 Substitution Method | |
| Mean | 2.033 |
| SD | 1.98 |
| 95% H-Stat (DL/2) UCL | 117.3 |
| | |
| Log ROS Method | |
| Mean in Log Scale | 2.25 |
| SD in Log Scale | 1.878 |
| Mean in Original Scale | 40.72 |
| SD in Original Scale | 72.15 |
| 95% t UCL | 54.41 |
| 95% Percentile Bootstrap UCL | 55.27 |
| 95% BCA Bootstrap UCL | 57.55 |
| 95% H-UCL | 111.9 |

| **Gamma Distribution Test with Detected Values Only** | |
|---|---|
| k star (bias corrected) | 0.99 |
| Theta Star | 86.15 |
| nu star | 69.33 |
| | |
| A-D Test Statistic | 0.829 |
| 5% A-D Critical Value | 0.775 |
| K-S Test Statistic | 0.775 |
| 5% K-S Critical Value | 0.153 |
| Data not Gamma Distributed at 5% Significance Level | |
| | |
| **Assuming Gamma Distribution** | |
| Gamma ROS Statistics using Extrapolated Data | |
| Minimum | 1.0000E-6 |
| Maximum | 370 |
| Mean | 38.78 |
| Median | 1.0000E-6 |
| SD | 73.15 |
| k star | 0.0929 |
| Theta star | 417.6 |
| Nu star | 14.3 |
| AppChi2 | 6.78 |
| 95% Gamma Approximate UCL (Use when n >= 40) | 81.83 |
| 95% Adjusted Gamma UCL (Use when n < 40) | 83.04 |

| **Data Distribution Test with Detected Values Only** | |
|---|---|
| Data do not follow a Discernable Distribution (0.05) | |
| | |
| | |
| | |
| **Nonparametric Statistics** | |
| Kaplan-Meier (KM) Method | |
| Mean | 39.33 |
| SD | 72.38 |
| SE of Mean | 8.369 |
| 95% KM (t) UCL | 53.27 |
| 95% KM (z) UCL | 53.1 |
| 95% KM (jackknife) UCL | 51.58 |
| 95% KM (bootstrap t) UCL | 55.93 |
| 95% KM (BCA) UCL | 58.36 |
| 95% KM (Percentile Bootstrap) UCL | 55.71 |
| 95% KM (Chebyshev) UCL | 75.81 |
| 97.5% KM (Chebyshev) UCL | 91.6 |
| 99% KM (Chebyshev) UCL | 122.6 |
| | |
| **Potential UCLs to Use** | |
| 95% KM (BCA) UCL | 58.36 |

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
For additional insight, the user may want to consult a statistician.

11DCE

**General Statistics**

| | | | |
|---|---|---|---|
| Number of Valid Data | 77 | Number of Detected Data | 41 |
| Number of Distinct Detected Data | 35 | Number of Non-Detect Data | 36 |
| | | Percent Non-Detects | 46.75% |

| Raw Statistics | |
|---|---|
| Minimum Detected | 1 |
| Maximum Detected | 790 |
| Mean of Detected | 140.8 |
| SD of Detected | 169.1 |
| Minimum Non-Detect | 0.99 |
| Maximum Non-Detect | 5 |

| Log-transformed Statistics | |
|---|---|
| Minimum Detected | 0 |
| Maximum Detected | 6.672 |
| Mean of Detected | 4.182 |
| SD of Detected | 1.482 |
| Minimum Non-Detect | -0.0101 |
| Maximum Non-Detect | 1.609 |

Note: Data have multiple DLs - Use of KM Method is recommended

For all methods (except KM, DL/2, and ROS Methods),

Observations < Largest ND are treated as NDs

| | |
|---|---|
| Number treated as Non-Detect | 37 |
| Number treated as Detected | 40 |
| Single DL Non-Detect Percentage | 48.05% |

## UCL Statistics

| Normal Distribution Test with Detected Values Only | |
|---|---|
| Shapiro Wilk Test Statistic | 0.729 |
| 5% Shapiro Wilk Critical Value | 0.941 |

Data not Normal at 5% Significance Level

| Lognormal Distribution Test with Detected Values Only | |
|---|---|
| Shapiro Wilk Test Statistic | 0.932 |
| 5% Shapiro Wilk Critical Value | 0.941 |

Data not Lognormal at 5% Significance Level

| Assuming Normal Distribution | |
|---|---|
| DL/2 Substitution Method | |
| Mean | 75.92 |
| SD | 141.1 |
| 95% DL/2 (t) UCL | 102.7 |
| | |
| Maximum Likelihood Estimate(MLE) Method | N/A |

MLE yields a negative mean

| Assuming Lognormal Distribution | |
|---|---|
| DL/2 Substitution Method | |
| Mean | 2.479 |
| SD | 2.169 |
| 95% H-Stat (DL/2) UCL | 310.6 |
| | |
| Log ROS Method | |
| Mean in Log Scale | 2.531 |
| SD in Log Scale | 2.205 |
| Mean in Original Scale | 76.39 |
| SD in Original Scale | 140.9 |
| 95% t UCL | 103.1 |
| 95% Percentile Bootstrap UCL | 104.1 |
| 95% BCA Bootstrap UCL | 111.7 |
| 95% H-UCL | 364 |

| Gamma Distribution Test with Detected Values Only | |
|---|---|
| k star (bias corrected) | 0.737 |
| Theta Star | 191 |
| nu star | 60.47 |
| | |
| A-D Test Statistic | 0.685 |
| 5% A-D Critical Value | 0.788 |
| K-S Test Statistic | 0.788 |
| 5% K-S Critical Value | 0.143 |

Data appear Gamma Distributed at 5% Significance Level

Data Distribution Test with Detected Values Only

Data appear Gamma Distributed at 5% Significance Level

| Assuming Gamma Distribution | |
|---|---|
| Gamma ROS Statistics using Extrapolated Data | |
| Minimum | 1.0000E-6 |
| Maximum | 790 |
| Mean | 74.98 |
| Median | 5.4 |
| SD | 141.6 |
| k star | 0.1 |

| Nonparametric Statistics | |
|---|---|
| Kaplan-Meier (KM) Method | |
| Mean | 75.45 |
| SD | 140.4 |
| SE of Mean | 16.2 |
| 95% KM (t) UCL | 102.4 |
| 95% KM (z) UCL | 102.1 |
| 95% KM (jackknife) UCL | 100.8 |
| 95% KM (bootstrap t) UCL | 111.6 |
| 95% KM (BCA) UCL | 107.8 |
| 95% KM (Percentile Bootstrap) UCL | 104.3 |
| 95% KM (Chebyshev) UCL | 146.1 |
| 97.5% KM (Chebyshev) UCL | 176.6 |
| 99% KM (Chebyshev) UCL | 236.7 |

| | | | |
|---|---|---|---|
| Theta star | 746.3 | | |
| Nu star | 15.47 | Potential UCLs to Use | |
| AppChi2 | 7.591 | 95% KM (BCA) UCL | 107.8 |
| 95% Gamma Approximate UCL (Use when n >= 40) | 152.8 | | |
| 95% Adjusted Gamma UCL (Use when n < 40) | 155 | | |

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 111-TCA | D_111-TCA | 11DCA | D_11DCA | 11DCE | D_11DCE | Chloroethane | D_Chloroethane | Toluene | D_Toluene | TCE |
| 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| 2 | 5 | 0 | 5 | 0 | 5 | 0 | 10 | 0 | 5 | 0 | 5 |
| 3 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| 4 | 5 | 0 | 5 | 0 | 5 | 0 | 10 | 0 | 5 | 0 | 5 |
| 5 | 5 | 0 | 5 | 0 | 5 | 0 | 10 | 0 | 5 | 0 | 5 |
| 6 | 5 | 0 | 5 | 0 | 5 | 0 | 10 | 0 | 5 | 0 | 5 |
| 7 | 5 | 0 | 5 | 0 | 2.8 | 0 | 10 | 0 | 5 | 0 | 5 |
| 8 | 5 | 0 | 5 | 0 | 5 | 0 | 10 | 0 | 5 | 0 | 5 |
| 9 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| 10 | 5 | 0 | 5 | 0 | 5 | 0 | 10 | 0 | 5 | 0 | 5 |
| 11 | 1 | 0 | 1 | 0 | 0.99 | 0 | 1 | 0 | 1 | 0 | 1 |
| 12 | 5 | 0 | 5 | 0 | 5 | 0 | 10 | 0 | 5 | 0 | 5 |
| 13 | 5 | 0 | 5 | 0 | 5 | 0 | 10 | 0 | 5 | 0 | 5 |
| 14 | 5 | 0 | 5 | 0 | 5 | 0 | 10 | 0 | 5 | 0 | 5 |
| 15 | 5 | 0 | 5 | 0 | 5 | 0 | 10 | 0 | 5 | 0 | 5 |
| 16 | 5 | 0 | 1.7 | 0 | 5 | 0 | 10 | 0 | 1.6 | 0 | 5 |
| 17 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| 18 | 5 | 0 | 5 | 0 | 5 | 0 | 2.9 | 0 | 5 | 0 | 5 |
| 19 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| 20 | 5 | 0 | 5 | 0 | 5 | 0 | 10 | 0 | 5 | 0 | 5 |
| 21 | 5 | 0 | 5 | 0 | 5 | 0 | 10 | 0 | 5 | 0 | 5 |
| 22 | 5 | 0 | 5 | 0 | 5 | 0 | 10 | 0 | 5 | 0 | 5 |
| 23 | 5 | 0 | 5 | 0 | 5 | 0 | 10 | 0 | 5 | 0 | 5 |
| 24 | 5 | 0 | 3.6 | 0 | 5 | 0 | 2.8 | 0 | 5 | 0 | 5 |
| 25 | 1 | 0 | 29.7 | 1 | 121 | 1 | 1.5 | 1 | 1 | 0 | 1 |
| 26 | 5 | 0 | 5.3 | 1 | 21 | 1 | 10 | 0 | 5 | 0 | 5 |
| 27 | 1 | 0 | 19.3 | 1 | 92.7 | 1 | 1 | 0 | 1 | 0 | 1.8 |
| 28 | 5 | 0 | 5 | 0 | 24 | 1 | 10 | 0 | 5 | 0 | 5 |
| 29 | 5 | 0 | 6 | 1 | 24 | 1 | 10 | 0 | 5 | 0 | 5 |
| 30 | 5 | 0 | 5 | 0 | 5 | 0 | 10 | 0 | 5 | 0 | 5 |
| 31 | 5 | 0 | 12 | 1 | 50 | 1 | 10 | 0 | 5 | 0 | 5 |
| 32 | 5 | 0 | 4.8 | 0 | 13 | 1 | 10 | 0 | 0.68 | 0 | 5 |
| 33 | 86.9 | 1 | 56.1 | 1 | 138 | 1 | 1.6 | 1 | 1 | 0 | 1.1 |
| 34 | 74 | 1 | 44 | 1 | 110 | 1 | 10 | 0 | 5 | 0 | 5 |
| 35 | 77.3 | 1 | 45 | 1 | 130 | 1 | 1 | 0 | 0.62 | 0 | 1 |
| 36 | 90 | 1 | 52 | 1 | 120 | 1 | 10 | 0 | 33 | 1 | 5 |
| 37 | 93 | 1 | 45 | 1 | 110 | 1 | 10 | 0 | 5 | 0 | 5 |
| 38 | 100 | 1 | 34 | 1 | 130 | 1 | 10 | 0 | 5 | 0 | 5 |
| 39 | 100 | 1 | 70 | 1 | 150 | 1 | 10 | 0 | 5 | 0 | 5 |
| 40 | 60 | 1 | 43 | 1 | 89 | 1 | 2 | 0 | 0.76 | 0 | 0.7 |
| 41 | 85.8 | 1 | 52.3 | 1 | 141 | 1 | 1 | 0 | 0.91 | 0 | 1 |
| 42 | 79.1 | 1 | 46.5 | 1 | 139 | 1 | 1 | 0 | 1 | 0 | 1 |
| 43 | 110 | 1 | 65 | 1 | 160 | 1 | 10 | 0 | 9.7 | 1 | 5 |
| 44 | 100 | 1 | 34 | 1 | 120 | 1 | 10 | 0 | 5 | 0 | 5 |
| 45 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 |
| 46 | 5 | 0 | 5 | 0 | 5 | 0 | 10 | 0 | 5 | 0 | 5 |
| 47 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| 48 | 5 | 0 | 5 | 0 | 5 | 0 | 10 | 0 | 5 | 0 | 5 |
| 49 | 5 | 0 | 5 | 0 | 5 | 0 | 10 | 0 | 5 | 0 | 5 |
| 50 | 5 | 0 | 5 | 0 | 5 | 0 | 10 | 0 | 5 | 0 | 5 |
| 51 | 5 | 0 | 5 | 0 | 5 | 0 | 10 | 0 | 5 | 0 | 5 |
| 52 | 5 | 0 | 0.64 | 0 | 5 | 0 | 10 | 0 | 0.99 | 0 | 5 |

| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 111-TCA | D_111-TCA | 11DCA | D_11DCA | 11DCE | D_11DCE | Chloroethane | D_Chloroethane | Toluene | D_Toluene | TCE |
| 53 | 53 | 1 | 250 | 1 | 140 | 1 | 10 | 0 | 5 | 0 | 1.1 |
| 54 | 190 | 1 | 180 | 1 | 150 | 1 | 10 | 0 | 5 | 0 | 5 |
| 55 | 250 | 1 | 370 | 1 | 180 | 1 | 10 | 0 | 5 | 0 | 5 |
| 56 | 54 | 1 | 160 | 1 | 28 | 1 | 4.3 | 0 | 5 | 0 | 5 |
| 57 | 35 | 1 | 190 | 1 | 23 | 1 | 10 | 0 | 5 | 0 | 5 |
| 58 | 100 | 1 | 230 | 1 | 45 | 1 | 5.2 | 0 | 5 | 0 | 5 |
| 59 | 10 | 1 | 37 | 1 | 5.4 | 1 | 10 | 0 | 5 | 0 | 5 |
| 60 | 110 | 1 | 290 | 1 | 53 | 1 | 5.5 | 0 | 5 | 0 | 5 |
| 61 | 46 | 1 | 170 | 1 | 22 | 1 | 7.2 | 0 | 0.86 | 0 | 5 |
| 62 | 1 | 0 | 0.65 | 0 | 7 | 1 | 1 | 0 | 1 | 0 | 1 |
| 63 | 5 | 0 | 5 | 0 | 5 | 0 | 10 | 0 | 5 | 0 | 5 |
| 64 | 1 | 0 | 0.74 | 0 | 7.2 | 1 | 1 | 0 | 1 | 0 | 1 |
| 65 | 5 | 0 | 5 | 0 | 4.6 | 0 | 10 | 0 | 5 | 0 | 5 |
| 66 | 5 | 0 | 5 | 0 | 3.4 | 0 | 10 | 0 | 5 | 0 | 5 |
| 67 | 5 | 0 | 5 | 0 | 6.4 | 1 | 10 | 0 | 5 | 0 | 5 |
| 68 | 5 | 0 | 5 | 0 | 5 | 1 | 10 | 0 | 5 | 0 | 5 |
| 69 | 5 | 0 | 5 | 0 | 1.4 | 0 | 10 | 0 | 2.2 | 0 | 5 |
| 70 | 174 | 1 | 46.3 | 1 | 499 | 1 | 1 | 0 | 1 | 0 | 0.47 |
| 71 | 150 | 1 | 65 | 1 | 420 | 1 | 10 | 0 | 5 | 0 | 5 |
| 72 | 121 | 1 | 29.9 | 1 | 389 | 1 | 1 | 0 | 1 | 0 | 1.9 |
| 73 | 90 | 1 | 45 | 1 | 260 | 1 | 10 | 0 | 5 | 0 | 5 |
| 74 | 200 | 1 | 73 | 1 | 580 | 1 | 10 | 0 | 5 | 0 | 5 |
| 75 | 25 | 1 | 17 | 1 | 100 | 1 | 10 | 0 | 5 | 0 | 5 |
| 76 | 260 | 1 | 100 | 1 | 790 | 1 | 10 | 0 | 5 | 0 | 5 |
| 77 | 82 | 1 | 73 | 1 | 180 | 1 | 10 | 0 | 5 | 0 | 5 |

| | 11 | 12 | 13 |
|---|---|---|---|
| | D_TCE | VC | D_VC |
| 1 | 0 | 1 | 0 |
| 2 | 0 | 2 | 0 |
| 3 | 0 | 1 | 0 |
| 4 | 0 | 2 | 0 |
| 5 | 0 | 2 | 0 |
| 6 | 0 | 2 | 0 |
| 7 | 0 | 2 | 0 |
| 8 | 0 | 2 | 0 |
| 9 | 0 | 1 | 0 |
| 10 | 0 | 2 | 0 |
| 11 | 0 | 1 | 0 |
| 12 | 0 | 2 | 0 |
| 13 | 0 | 2 | 0 |
| 14 | 0 | 2 | 0 |
| 15 | 0 | 2 | 0 |
| 16 | 0 | 2 | 0 |
| 17 | 0 | 1 | 0 |
| 18 | 0 | 2 | 0 |
| 19 | 0 | 1 | 0 |
| 20 | 0 | 2 | 0 |
| 21 | 0 | 2 | 0 |
| 22 | 0 | 2 | 0 |
| 23 | 0 | 2 | 0 |
| 24 | 0 | 2 | 0 |
| 25 | 0 | 2.1 | 1 |
| 26 | 0 | 2 | 0 |
| 27 | 1 | 1 | 0 |
| 28 | 0 | 2 | 0 |
| 29 | 0 | 2 | 0 |
| 30 | 0 | 2 | 0 |
| 31 | 0 | 2 | 0 |
| 32 | 0 | 2 | 0 |
| 33 | 1 | 1 | 0 |
| 34 | 0 | 2 | 0 |
| 35 | 0 | 1 | 0 |
| 36 | 0 | 2 | 0 |
| 37 | 0 | 2 | 0 |
| 38 | 0 | 2 | 0 |
| 39 | 0 | 2 | 0 |
| 40 | 0 | 2 | 0 |
| 41 | 1 | 1 | 0 |
| 42 | 0 | 1 | 0 |
| 43 | 0 | 2 | 0 |
| 44 | 0 | 2 | 0 |
| 45 | 0 | 1 | 0 |
| 46 | 0 | 2 | 0 |
| 47 | 0 | 1 | 0 |
| 48 | 0 | 2 | 0 |
| 49 | 0 | 2 | 0 |
| 50 | 0 | 2 | 0 |
| 51 | 0 | 2 | 0 |
| 52 | 0 | 0.86 | 0 |

| | 11 | 12 | 13 |
|---|---|---|---|
| | D_TCE | VC | D_VC |
| 53 | 0 | 21 | 1 |
| 54 | 0 | 2 | 0 |
| 55 | 0 | 18 | 1 |
| 56 | 0 | 2 | 0 |
| 57 | 0 | 2 | 0 |
| 58 | 0 | 2 | 0 |
| 59 | 0 | 2 | 0 |
| 60 | 0 | 2 | 0 |
| 61 | 0 | 2 | 0 |
| 62 | 0 | 1 | 0 |
| 63 | 0 | 2 | 0 |
| 64 | 0 | 1 | 0 |
| 65 | 0 | 2 | 0 |
| 66 | 0 | 2 | 0 |
| 67 | 0 | 2 | 0 |
| 68 | 0 | 2 | 0 |
| 69 | 0 | 2 | 0 |
| 70 | 0 | 2.6 | 1 |
| 71 | 0 | 11 | 1 |
| 72 | 1 | 1 | 0 |
| 73 | 0 | 13 | 1 |
| 74 | 0 | 5.5 | 1 |
| 75 | 0 | 2 | 0 |
| 76 | 0 | 13 | 1 |
| 77 | 0 | 21 | 1 |

**ATTACHMENT 4 – ProUCL Input and Output Files (Original Format)**

**(CD)**

# APPENDIX D
# LABORATORY ANALYTICAL REPORTS: GROUNDWATER AND SURFACE WATER (ON CD)

# Fall 2011
# Laboratory Analysis Reports

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

# Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

October 31, 2011

Project: Avery Dennison / Flowery Branch, GA

Submittal Date: 10/20/2011
Group Number: 1272269
PO Number: 1-0145-4
State of Sample Origin: GA

| Client Sample Description | Lancaster Labs (LLI) # |
|---|---|
| Trip Blank Water | 6443553 |
| MW-54D Grab Water | 6443554 |
| MW-42 Grab Water | 6443555 |
| MW-19S Grab Water | 6443556 |
| MW-19D Grab Water | 6443557 |
| BR-21 Grab Water | 6443558 |
| BR-21D Grab Water | 6443559 |
| BR-5 Grab Water | 6443560 |
| MW-37 Grab Water | 6443561 |
| MW-52D Grab Water | 6443562 |

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO The Johnson Company, Inc. Attn: Glen Kirkpatrick

Lancaster Laboratories

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# Analysis Report

Questions? Contact your Client Services Representative
Wendy A Kozma at (717) 656-2300 Ext. 1522

Respectfully Submitted,

Robin C. Runkle
Senior Specialist

Lancaster Laboratories

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# Analysis Report



**Sample Description: Trip Blank Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6443553**
**LLI Group # 1272269**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/18/2011

Submitted: 10/20/2011 09:15
Reported: 10/31/2011 16:01

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

JC-TB

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: Trip Blank Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6443553**
**LLI Group # 1272269**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/18/2011

Submitted: 10/20/2011 09:15
Reported: 10/31/2011 16:01

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

JC-TB

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112981AA | 10/25/2011 11:44 | Kerri E Legerlotz | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112961AA | 10/23/2011 15:58 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112961AA | 10/23/2011 15:58 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112981AA | 10/25/2011 11:44 | Kerri E Legerlotz | 1 |

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# Analysis Report



**Sample Description: MW-54D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6443554**
**LLI Group # 1272269**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/18/2011 09:37 by TH

Submitted: 10/20/2011 09:15
Reported: 10/31/2011 16:01

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

MW54D

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 39 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 580 | 20 | 10 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 230 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 11 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-54D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6443554**
**LLI Group # 1272269**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/18/2011 09:37 by TH

Submitted: 10/20/2011 09:15
Reported: 10/31/2011 16:01

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

MW54D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112981AA | 10/25/2011 16:39 | Kerri E Legerlotz | 1 |
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112981AA | 10/25/2011 17:01 | Kerri E Legerlotz | 10 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112961AA | 10/23/2011 16:18 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112961AA | 10/23/2011 16:18 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112981AA | 10/25/2011 16:39 | Kerri E Legerlotz | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 3 | L112981AA | 10/25/2011 17:01 | Kerri E Legerlotz | 10 |

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# Analysis Report



**Sample Description: MW-42 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6443555**
**LLI Group # 1272269**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/18/2011 10:42 by TH

Submitted: 10/20/2011 09:15
Reported: 10/31/2011 16:01

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

MW-42

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 89 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 1,000 | 20 | 10 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 330 | 50 | 10 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 26 | 20 | 10 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-42 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6443555**
**LLI Group # 1272269**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/18/2011 10:42 by TH

Submitted: 10/20/2011 09:15
Reported: 10/31/2011 16:01

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

MW-42

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112981AA | 10/25/2011 17:23 | Kerri E Legerlotz | 1 |
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112981AA | 10/25/2011 17:45 | Kerri E Legerlotz | 10 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112971AA | 10/24/2011 09:55 | Jason M Long | 10 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112971AA | 10/24/2011 09:55 | Jason M Long | 10 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112981AA | 10/25/2011 17:23 | Kerri E Legerlotz | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 3 | L112981AA | 10/25/2011 17:45 | Kerri E Legerlotz | 10 |

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# Analysis Report



**Sample Description: MW-19S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6443556**
**LLI Group # 1272269**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/18/2011 09:55 by TH

Submitted: 10/20/2011 09:15
Reported: 10/31/2011 16:01

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

MW19S

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

Lancaster Laboratories

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# Analysis Report



**Sample Description: MW-19S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6443556**
**LLI Group # 1272269**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/18/2011 09:55 by TH

Submitted: 10/20/2011 09:15
Reported: 10/31/2011 16:01

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

MW19S

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112981AA | 10/25/2011 12:28 | Kerri E Legerlotz | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112961AA | 10/23/2011 16:58 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112961AA | 10/23/2011 16:58 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112981AA | 10/25/2011 12:28 | Kerri E Legerlotz | 1 |

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# Analysis Report



**Sample Description: MW-19D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6443557**
**LLI Group # 1272269**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/18/2011 11:35 by TH

Submitted: 10/20/2011 09:15
Reported: 10/31/2011 16:01

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

MW19D

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 73 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 370 | 20 | 10 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 6 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 6.3 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-19D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6443557**
**LLI Group # 1272269**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/18/2011 11:35 by TH

Submitted: 10/20/2011 09:15
Reported: 10/31/2011 16:01

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

MW19D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112981AA | 10/25/2011 12:50 | Kerri E Legerlotz | 1 |
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112981AA | 10/25/2011 15:11 | Kerri E Legerlotz | 10 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112961AA | 10/23/2011 17:18 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112961AA | 10/23/2011 17:18 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112981AA | 10/25/2011 12:50 | Kerri E Legerlotz | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 3 | L112981AA | 10/25/2011 15:11 | Kerri E Legerlotz | 10 |

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# Analysis Report



**Sample Description: BR-21 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6443558**
**LLI Group # 1272269**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/18/2011 12:22 by TH

Submitted: 10/20/2011 09:15
Reported: 10/31/2011 16:01

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

BR-21

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 66 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 680 | 20 | 10 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 190 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 11 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: BR-21 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6443558**
**LLI Group # 1272269**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/18/2011 12:22 by TH

Submitted: 10/20/2011 09:15
Reported: 10/31/2011 16:01

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

BR-21

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112981AA | 10/25/2011 13:12 | Kerri E Legerlotz | 1 |
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112981AA | 10/25/2011 15:33 | Kerri E Legerlotz | 10 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112961AA | 10/23/2011 17:38 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112961AA | 10/23/2011 17:38 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112981AA | 10/25/2011 13:12 | Kerri E Legerlotz | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 3 | L112981AA | 10/25/2011 15:33 | Kerri E Legerlotz | 10 |

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# Analysis Report



**Sample Description: BR-21D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6443559**
**LLI Group # 1272269**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/18/2011 14:52 by TH

Submitted: 10/20/2011 09:15
Reported: 10/31/2011 16:01

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

BR21D

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | 280 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 37 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 76 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: BR-21D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6443559**
**LLI Group # 1272269**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/18/2011 14:52 by TH

Submitted: 10/20/2011 09:15
Reported: 10/31/2011 16:01

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

BR21D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112981AA | 10/25/2011 14:04 | Kerri E Legerlotz | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112971AA | 10/24/2011 09:35 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112971AA | 10/24/2011 09:35 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112981AA | 10/25/2011 14:04 | Kerri E Legerlotz | 1 |

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# Analysis Report



**Sample Description: BR-5 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6443560**
**LLI Group # 1272269**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/18/2011 14:50 by TH

Submitted: 10/20/2011 09:15
Reported: 10/31/2011 16:01

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

BR-05

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 3 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: BR-5 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6443560**
**LLI Group # 1272269**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/18/2011 14:50 by TH

Submitted: 10/20/2011 09:15
Reported: 10/31/2011 16:01

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

BR-05

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112981AA | 10/25/2011 14:26 | Kerri E Legerlotz | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112961AA | 10/23/2011 18:18 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112961AA | 10/23/2011 18:18 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112981AA | 10/25/2011 14:26 | Kerri E Legerlotz | 1 |

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# Analysis Report



**Sample Description: MW-37 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6443561**
**LLI Group # 1272269**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/18/2011 15:42 by TH

Submitted: 10/20/2011 09:15
Reported: 10/31/2011 16:01

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

MW-37

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 46 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 320 | 20 | 10 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 130 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 3.9 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

Lancaster Laboratories

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# Analysis Report



**Sample Description: MW-37 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6443561**
**LLI Group # 1272269**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/18/2011 15:42 by TH

Submitted: 10/20/2011 09:15
Reported: 10/31/2011 16:01

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

MW-37

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112981AA | 10/25/2011 14:49 | Kerri E Legerlotz | 1 |
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112981AA | 10/25/2011 16:17 | Kerri E Legerlotz | 10 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112961AA | 10/23/2011 18:38 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112961AA | 10/23/2011 18:38 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112981AA | 10/25/2011 14:49 | Kerri E Legerlotz | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 3 | L112981AA | 10/25/2011 16:17 | Kerri E Legerlotz | 10 |

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# Analysis Report



**Sample Description: MW-52D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6443562**
**LLI Group # 1272269**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/18/2011 16:22 by TH

Submitted: 10/20/2011 09:15
Reported: 10/31/2011 16:01

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

MW52D

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 3 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-52D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6443562**
**LLI Group # 1272269**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/18/2011 16:22 by TH

Submitted: 10/20/2011 09:15
Reported: 10/31/2011 16:01

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

MW52D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112981AA | 10/25/2011 15:55 | Kerri E Legerlotz | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112971AA | 10/24/2011 11:56 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112971AA | 10/24/2011 11:56 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112981AA | 10/25/2011 15:55 | Kerri E Legerlotz | 1 |

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# Analysis Report



## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1272269
Reported: 10/31/11 at 04:01 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

## Laboratory Compliance Quality Control

| Analysis Name | Blank Result | Blank LOQ | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: E112961AA | Sample number(s): 6443553-6443554,6443556-6443558,6443560-6443561 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 105 | | 80-123 | | |
| Batch number: E112971AA | Sample number(s): 6443555,6443559,6443562 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 107 | | 80-123 | | |
| Batch number: L112981AA | Sample number(s): 6443553-6443562 | | | | | | | |
| Acetone | < 20 | 20. | ug/l | 173 | | 49-234 | | |
| Benzene | < 5 | 5. | ug/l | 98 | | 79-120 | | |
| Bromodichloromethane | < 5 | 5. | ug/l | 88 | | 80-120 | | |
| Bromoform | < 5 | 5. | ug/l | 78 | | 61-120 | | |
| Bromomethane | < 5 | 5. | ug/l | 77 | | 44-120 | | |
| 2-Butanone | < 10 | 10. | ug/l | 112 | | 66-151 | | |
| Carbon Disulfide | < 5 | 5. | ug/l | 86 | | 62-120 | | |
| Carbon Tetrachloride | < 5 | 5. | ug/l | 93 | | 75-123 | | |
| Chlorobenzene | < 5 | 5. | ug/l | 98 | | 80-120 | | |
| Chloroethane | < 5 | 5. | ug/l | 77 | | 49-129 | | |
| Chloroform | < 5 | 5. | ug/l | 96 | | 77-122 | | |
| Chloromethane | < 5 | 5. | ug/l | 82 | | 60-129 | | |
| Dibromochloromethane | < 5 | 5. | ug/l | 86 | | 80-120 | | |
| 1,1-Dichloroethane | < 5 | 5. | ug/l | 96 | | 79-120 | | |
| 1,2-Dichloroethane | < 5 | 5. | ug/l | 96 | | 70-130 | | |
| 1,1-Dichloroethene | < 2 | 2. | ug/l | 102 | | 74-123 | | |
| cis-1,2-Dichloroethene | < 5 | 5. | ug/l | 98 | | 80-120 | | |
| trans-1,2-Dichloroethene | < 5 | 5. | ug/l | 99 | | 80-120 | | |
| 1,2-Dichloropropane | < 5 | 5. | ug/l | 94 | | 78-120 | | |
| cis-1,3-Dichloropropene | < 5 | 5. | ug/l | 90 | | 80-120 | | |
| trans-1,3-Dichloropropene | < 5 | 5. | ug/l | 86 | | 79-120 | | |
| Ethylbenzene | < 5 | 5. | ug/l | 96 | | 79-120 | | |
| 2-Hexanone | < 10 | 10. | ug/l | 96 | | 65-136 | | |
| 4-Methyl-2-pentanone | < 10 | 10. | ug/l | 89 | | 70-121 | | |
| Methylene Chloride | < 5 | 5. | ug/l | 100 | | 80-120 | | |
| Styrene | < 5 | 5. | ug/l | 92 | | 80-120 | | |
| 1,1,2,2-Tetrachloroethane | < 5 | 5. | ug/l | 92 | | 71-120 | | |
| Tetrachloroethene | < 5 | 5. | ug/l | 99 | | 80-121 | | |
| Toluene | < 5 | 5. | ug/l | 98 | | 79-120 | | |
| 1,1,1-Trichloroethane | < 5 | 5. | ug/l | 95 | | 75-127 | | |
| 1,1,2-Trichloroethane | < 5 | 5. | ug/l | 96 | | 80-120 | | |
| Trichloroethene | < 5 | 5. | ug/l | 98 | | 80-120 | | |
| Vinyl Chloride | < 2 | 2. | ug/l | 85 | | 65-125 | | |
| Xylene (Total) | < 5 | 5. | ug/l | 95 | | 80-120 | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1272269
Reported: 10/31/11 at 04:01 PM

### Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| Batch number: E112961AA | Sample number(s): 6443553-6443554,6443556-6443558,6443560-6443561 UNSPK: P442874 | | | | | | | | |
| 1,4-Dioxane | 149* | 128 | 73-138 | 5 | 30 | | | | |
| Batch number: E112971AA | Sample number(s): 6443555,6443559,6443562 UNSPK: P444100 | | | | | | | | |
| 1,4-Dioxane | 82 | 81 | 73-138 | 1 | 30 | | | | |
| Batch number: L112981AA | Sample number(s): 6443553-6443562 UNSPK: P444100 | | | | | | | | |
| Acetone | 173* | 174* | 52-139 | 0 | 30 | | | | |
| Benzene | 99 | 97 | 80-126 | 2 | 30 | | | | |
| Bromodichloromethane | 87 | 85 | 78-125 | 2 | 30 | | | | |
| Bromoform | 76 | 76 | 60-121 | 0 | 30 | | | | |
| Bromomethane | 86 | 84 | 38-149 | 3 | 30 | | | | |
| 2-Butanone | 112 | 111 | 57-138 | 2 | 30 | | | | |
| Carbon Disulfide | 87 | 86 | 67-135 | 1 | 30 | | | | |
| Carbon Tetrachloride | 98 | 96 | 81-138 | 2 | 30 | | | | |
| Chlorobenzene | 98 | 97 | 87-124 | 1 | 30 | | | | |
| Chloroethane | 86 | 85 | 51-145 | 1 | 30 | | | | |
| Chloroform | 97 | 96 | 81-134 | 1 | 30 | | | | |
| Chloromethane | 83 | 83 | 67-154 | 0 | 30 | | | | |
| Dibromochloromethane | 84 | 84 | 74-116 | 0 | 30 | | | | |
| 1,1-Dichloroethane | 96 | 95 | 84-129 | 0 | 30 | | | | |
| 1,2-Dichloroethane | 96 | 94 | 66-141 | 2 | 30 | | | | |
| 1,1-Dichloroethene | 102 | 103 | 85-142 | 0 | 30 | | | | |
| cis-1,2-Dichloroethene | 98 | 97 | 85-125 | 1 | 30 | | | | |
| trans-1,2-Dichloroethene | 100 | 98 | 87-126 | 2 | 30 | | | | |
| 1,2-Dichloropropane | 92 | 91 | 83-124 | 2 | 30 | | | | |
| cis-1,3-Dichloropropene | 86 | 87 | 75-125 | 1 | 30 | | | | |
| trans-1,3-Dichloropropene | 82 | 81 | 74-119 | 1 | 30 | | | | |
| Ethylbenzene | 97 | 96 | 71-134 | 1 | 30 | | | | |
| 2-Hexanone | 100 | 98 | 55-127 | 1 | 30 | | | | |
| 4-Methyl-2-pentanone | 86 | 85 | 63-123 | 2 | 30 | | | | |
| Methylene Chloride | 98 | 96 | 79-120 | 1 | 30 | | | | |
| Styrene | 91 | 90 | 78-125 | 1 | 30 | | | | |
| 1,1,2,2-Tetrachloroethane | 88 | 86 | 72-128 | 2 | 30 | | | | |
| Tetrachloroethene | 110 | 109 | 80-128 | 0 | 30 | | | | |
| Toluene | 96 | 95 | 80-125 | 1 | 30 | | | | |
| 1,1,1-Trichloroethane | 86 | 86 | 80-143 | 0 | 30 | | | | |
| 1,1,2-Trichloroethane | 94 | 94 | 77-124 | 0 | 30 | | | | |
| Trichloroethene | 101 | 100 | 88-133 | 1 | 30 | | | | |
| Vinyl Chloride | 89 | 89 | 66-133 | 0 | 30 | | | | |
| Xylene (Total) | 96 | 95 | 79-125 | 1 | 30 | | | | |

### Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E112961AA

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1272269
Reported: 10/31/11 at 04:01 PM

### Surrogate Quality Control

| | Toluene-d8 |
|---|---|
| 6443553 | 100 |
| 6443554 | 100 |
| 6443556 | 100 |
| 6443557 | 100 |
| 6443558 | 100 |
| 6443560 | 100 |
| 6443561 | 100 |
| Blank | 101 |
| LCS | 101 |
| MS | 101 |
| MSD | 101 |
| Limits: | 80-120 |

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E112971AA

| | Toluene-d8 |
|---|---|
| 6443555 | 100 |
| 6443559 | 100 |
| 6443562 | 100 |
| Blank | 100 |
| LCS | 100 |
| MS | 100 |
| MSD | 100 |
| Limits: | 80-120 |

Analysis Name: 8260 Std. Water Master
Batch number: L112981AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| 6443553 | 98 | 102 | 98 | 94 |
| 6443554 | 101 | 101 | 98 | 94 |
| 6443555 | 104 | 102 | 98 | 94 |
| 6443556 | 98 | 102 | 97 | 95 |
| 6443557 | 99 | 102 | 98 | 95 |
| 6443558 | 101 | 104 | 98 | 96 |
| 6443559 | 99 | 102 | 98 | 95 |
| 6443560 | 99 | 100 | 98 | 94 |
| 6443561 | 99 | 103 | 98 | 95 |
| 6443562 | 99 | 101 | 98 | 96 |
| Blank | 97 | 101 | 97 | 95 |
| LCS | 98 | 100 | 99 | 97 |
| MS | 100 | 101 | 98 | 96 |
| MSD | 100 | 102 | 98 | 96 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 6556 Group# 127269 Sample # 6443553-62 **COC #** 271612

Please print. Instructions on reverse side correspond with circled numbers.

(1) Client: The Johnson Co. Acct. #: 06556

Project Name/#: AD-GA / 1-0145-4 PWSID #:

Project Manager: Glen Kirkpatrick P.O.#: 1-0145-4

Sampler: Tristan Hardy / Maya Wade Quote #:

Name of state where samples were collected: GA

For Lab Use Only
FSC:
SCR#:

**Preservation Codes**
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

Please use a PQL of 2 µg/L for Vinyl Chloride

**Remarks**

(6) Temperature of samples upon receipt (if requested)

| (2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | Matrix (4): Soil / Potable / NPDES / Water / Other | Total # of Containers | (5) Analyses Requested: 8260B | 1,4-Dioxane via 1,30 Dil SIM |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | – | H |
| Trip Blank | 10/18/11 | – | X | | X | 4 | 2 | 2 |
| MW-54D | | 0937 | X | | X | 6 | 3 | 3 |
| MW-42 | | 1042 | X | | X | 6 | 3 | 3 |
| MW-19S | | 0955 | X | | X | 6 | 3 | 3 |
| MW-19D | | 1135 | X | | X | 6 | 3 | 3 |
| BR-21 | | 1222 | X | | X | 6 | 3 | 3 |
| BR-21D | | 1452 | X | | X | 6 | 3 | 3 |
| BR-5 | | 1450 | X | | X | 6 | 3 | 3 |
| MW-37 | | 1542 | X | | X | 6 | 3 | 3 |
| MW-52D | ↓ | 1622 | X | | X | 6 | 3 | 3 |

(7) **Turnaround Time Requested** (TAT) (please circle): (Normal) Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)

Date results are needed:

Rush results requested by (please circle): Phone Fax E-mail

Phone #: 802-229-4600 Fax #:

E-mail address: GAK@jcomail.com

(8) **Data Package Options** (please circle if required)

Type I (validation/NJ Reg)
Type II (Tier II)
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

TX TRRP-13
MA MCP CT RCP

SDG Complete? Yes (No)

Site-specific QC (MS/MSD/Dup)? (Yes) No
(If yes, indicate QC sample and submit triplicate volume.)

Internal COC Required? Yes / No

| (9) Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|
| | 10/18/11 | 1630 | | | |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: Brandy Barclay | 10-20-11 | 915 |

Lancaster Laboratories

# Environmental Sample Administration
# Receipt Documentation Log

**Client/Project:** The Johnson Co

**Date of Receipt:** 10-20-11

**Time of Receipt:** 915

**Source Code:** 50-1

**Shipping Container Sealed:** (YES) NO

**Custody Seal Present * :** (YES) NO

* Custody seal was intact unless otherwise noted in the discrepancy section

**Package:** (Chilled) Not Chilled

| Temperature of Shipping Containers | | | | | | | |
|---|---|---|---|---|---|---|---|
| Cooler # | Thermometer ID | Temperature (°C) | Temp Bottle (TB) or Surface Temp (ST) | Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP) | Ice Present? Y/N | Loose (L) Bagged Ice (B) or NA | Comments |
| 1 | 2783 | 1.5 | TB | WI | Y | B | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |

**Number of Trip Blanks received NOT listed on chain of custody:** 0

**Paperwork Discrepancy/Unpacking Problems:**

**Unpacker Signature/Emp#:** Brandy Barclay 2299 **Date/Time:** 10-20-11 10:56

Issued by Dept. 6042 Management

2174.06

# Explanation of Symbols and Abbreviations

*The following defines common symbols and abbreviations used in reporting technical data:*

| | | | |
|---|---|---|---|
| **RL** | Reporting Limit | **BMQL** | Below Minimum Quantitation Level |
| **N.D.** | none detected | **MPN** | Most Probable Number |
| **TNTC** | Too Numerous To Count | **CP Units** | cobalt-chloroplatinate units |
| **IU** | International Units | **NTU** | nephelometric turbidity units |
| **umhos/cm** | micromhos/cm | **ng** | nanogram(s) |
| **C** | degrees Celsius | **F** | degrees Fahrenheit |
| **meq** | milliequivalents | **lb.** | pound(s) |
| **g** | gram(s) | **kg** | kilogram(s) |
| **ug** | microgram(s) | **mg** | milligram(s) |
| **ml** | milliliter(s) | **l** | liter(s) |
| **m3** | cubic meter(s) | **ul** | microliter(s) |

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**J** estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

*U.S. EPA CLP Data Qualifiers:*

**Organic Qualifiers**

| | |
|---|---|
| **A** | TIC is a possible aldol-condensation product |
| **B** | Analyte was also detected in the blank |
| **C** | Pesticide result confirmed by GC/MS |
| **D** | Compound quantitated on a diluted sample |
| **E** | Concentration exceeds the calibration range of the instrument |
| **N** | Presumptive evidence of a compound (TICs only) |
| **P** | Concentration difference between primary and confirmation columns >25% |
| **U** | Compound was not detected |
| **X,Y,Z** | Defined in case narrative |

**Inorganic Qualifiers**

| | |
|---|---|
| **B** | Value is <CRDL, but ≥IDL |
| **E** | Estimated due to interference |
| **M** | Duplicate injection precision not met |
| **N** | Spike sample not within control limits |
| **S** | Method of standard additions (MSA) used for calculation |
| **U** | Compound was not detected |
| **W** | Post digestion spike out of control limits |
| ***** | Duplicate analysis not within control limits |
| **+** | Correlation coefficient for MSA <0.995 |

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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# Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

November 01, 2011

Project: Avery Dennison / Flowery Branch, GA

Submittal Date: 10/20/2011
Group Number: 1272363
PO Number: 1-0145-4
State of Sample Origin: GA

| Client Sample Description | Lancaster Labs (LLI) # |
|---|---|
| Trip Blank Water | 6444096 |
| MW-51D Grab Water | 6444097 |
| DP-1 Grab Water | 6444098 |
| BR-20 Grab Water | 6444099 |
| BR-20D Grab Water | 6444100 |
| BR-20D Matrix Spike Grab Water | 6444101 |
| BR-20D Matrix Spike Dup Grab Water | 6444102 |
| BR-18 Grab Water | 6444103 |
| MW-55D Grab Water | 6444104 |
| MW-55D Matrix Spike Grab Water | 6444105 |
| MW-55D Matrix Spike Dup Grab Water | 6444106 |

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO The Johnson Company, Inc. Attn: Glen Kirkpatrick

Lancaster Laboratories

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# Analysis Report

Questions? Contact your Client Services Representative
Wendy A Kozma at (717) 656-2300 Ext. 1522

Respectfully Submitted,

Lawrence M. Taylor
Senior Specialist

Lancaster Laboratories

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# Analysis Report



**Sample Description: Trip Blank Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6444096**
**LLI Group # 1272363**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/19/2011

Submitted: 10/20/2011 09:15
Reported: 11/01/2011 11:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLOTB

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: Trip Blank Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6444096**
**LLI Group # 1272363**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/19/2011

Submitted: 10/20/2011 09:15
Reported: 11/01/2011 11:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLOTB

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112981AA | 10/25/2011 12:06 | Kerri E Legerlotz | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112971AA | 10/24/2011 10:15 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112971AA | 10/24/2011 10:15 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112981AA | 10/25/2011 12:06 | Kerri E Legerlotz | 1 |

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# Analysis Report



**Sample Description: MW-51D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6444097**
**LLI Group # 1272363**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/19/2011 09:17 by TH

Submitted: 10/20/2011 09:15
Reported: 11/01/2011 11:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FL51D

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 11 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 11 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 2.4 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-51D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6444097**
**LLI Group # 1272363**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/19/2011 09:17 by TH

Submitted: 10/20/2011 09:15
Reported: 11/01/2011 11:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FL51D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112981AA | 10/25/2011 19:13 | Kerri E Legerlotz | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112971AA | 10/24/2011 12:16 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112971AA | 10/24/2011 12:16 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112981AA | 10/25/2011 19:13 | Kerri E Legerlotz | 1 |

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# Analysis Report



**Sample Description: DP-1 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6444098**
**LLI Group # 1272363**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/19/2011 10:00 by TH

Submitted: 10/20/2011 09:15
Reported: 11/01/2011 11:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLDP1

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 11 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 11 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 2.4 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: DP-1 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6444098**
**LLI Group # 1272363**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/19/2011 10:00 by TH

Submitted: 10/20/2011 09:15
Reported: 11/01/2011 11:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLDP1

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112981AA | 10/25/2011 19:35 | Kerri E Legerlotz | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112971AA | 10/24/2011 12:36 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112971AA | 10/24/2011 12:36 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112981AA | 10/25/2011 19:35 | Kerri E Legerlotz | 1 |

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# Analysis Report



**Sample Description: BR-20 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6444099**
**LLI Group # 1272363**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/19/2011 12:37 by TH

Submitted: 10/20/2011 09:15
Reported: 11/01/2011 11:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBR20

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 110 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 710 | 20 | 10 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 26 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 11 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: BR-20 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6444099**
**LLI Group # 1272363**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/19/2011 12:37 by TH

Submitted: 10/20/2011 09:15
Reported: 11/01/2011 11:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBR20

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112981AA | 10/25/2011 19:57 | Kerri E Legerlotz | 1 |
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112991AA | 10/26/2011 02:42 | Stephanie A Selis | 10 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112971AA | 10/24/2011 12:56 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112971AA | 10/24/2011 12:56 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112981AA | 10/25/2011 19:57 | Kerri E Legerlotz | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 3 | L112991AA | 10/26/2011 02:42 | Stephanie A Selis | 10 |

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# Analysis Report



**Sample Description: BR-20D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6444100**
**LLI Group # 1272363**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/19/2011 16:37 by TH

Submitted: 10/20/2011 09:15
Reported: 11/01/2011 11:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FL20D

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 25 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 36 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 2.1 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: BR-20D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6444100**
**LLI Group # 1272363**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/19/2011 16:37 by TH

Submitted: 10/20/2011 09:15
Reported: 11/01/2011 11:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FL20D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112981AA | 10/25/2011 18:07 | Kerri E Legerlotz | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112971AA | 10/24/2011 10:36 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112971AA | 10/24/2011 10:36 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112981AA | 10/25/2011 18:07 | Kerri E Legerlotz | 1 |

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# Analysis Report



**Sample Description: BR-20D Matrix Spike Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6444101**
**LLI Group # 1272363**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/19/2011 16:37 by TH

Submitted: 10/20/2011 09:15
Reported: 11/01/2011 11:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FL20D

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | 260 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | 20 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | 17 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | 15 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | 17 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | 170 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | 17 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | 20 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | 20 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 17 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | 19 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | 17 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | 17 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 44 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | 19 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 56 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | 20 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | 20 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | 18 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | 17 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | 16 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | 19 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | 100 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | 86 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | 20 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | 18 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 18 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | 22 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | 19 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 22 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | 19 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | 20 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 18 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | 58 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 6.2 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: BR-20D Matrix Spike Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6444101**
**LLI Group # 1272363**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/19/2011 16:37 by TH

Submitted: 10/20/2011 09:15
Reported: 11/01/2011 11:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FL20D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112981AA | 10/25/2011 18:29 | Kerri E Legerlotz | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112971AA | 10/24/2011 10:56 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112971AA | 10/24/2011 10:56 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112981AA | 10/25/2011 18:29 | Kerri E Legerlotz | 1 |

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# Analysis Report



**Sample Description: BR-20D Matrix Spike Dup Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6444102**
**LLI Group # 1272363**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/19/2011 16:37 by TH

Submitted: 10/20/2011 09:15
Reported: 11/01/2011 11:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FL20D

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | 260 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | 19 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | 17 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | 15 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | 17 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | 170 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | 17 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | 19 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | 19 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 17 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | 19 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | 17 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | 17 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 44 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | 19 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 56 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | 19 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | 20 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | 18 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | 17 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | 16 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | 19 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | 98 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | 85 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | 19 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | 18 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 17 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | 22 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | 19 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 22 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | 19 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | 20 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 18 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | 57 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 6.1 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: BR-20D Matrix Spike Dup Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6444102**
**LLI Group # 1272363**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/19/2011 16:37 by TH

Submitted: 10/20/2011 09:15
Reported: 11/01/2011 11:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FL20D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112981AA | 10/25/2011 18:51 | Kerri E Legerlotz | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112971AA | 10/24/2011 11:16 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112971AA | 10/24/2011 11:16 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112981AA | 10/25/2011 18:51 | Kerri E Legerlotz | 1 |

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# Analysis Report



**Sample Description: BR-18 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6444103**
**LLI Group # 1272363**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/19/2011 13:35 by TH

Submitted: 10/20/2011 09:15
Reported: 11/01/2011 11:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FL-18

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | 70 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: BR-18 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6444103**
**LLI Group # 1272363**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/19/2011 13:35 by TH

Submitted: 10/20/2011 09:15
Reported: 11/01/2011 11:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FL-18

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112981AA | 10/25/2011 20:19 | Kerri E Legerlotz | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112971AA | 10/24/2011 13:16 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112971AA | 10/24/2011 13:16 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112981AA | 10/25/2011 20:19 | Kerri E Legerlotz | 1 |

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# Analysis Report



**Sample Description: MW-55D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6444104**
**LLI Group # 1272363**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/19/2011 15:52 by TH

Submitted: 10/20/2011 09:15
Reported: 11/01/2011 11:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FL55D

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 3 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-55D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6444104**
**LLI Group # 1272363**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/19/2011 15:52 by TH

Submitted: 10/20/2011 09:15
Reported: 11/01/2011 11:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FL55D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112981BA | 10/25/2011 20:41 | Kerri E Legerlotz | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112972AA | 10/24/2011 21:19 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112972AA | 10/24/2011 21:19 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112981BA | 10/25/2011 20:41 | Kerri E Legerlotz | 1 |

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# Analysis Report



**Sample Description: MW-55D Matrix Spike Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6444105**
**LLI Group # 1272363**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/19/2011 15:52 by TH

Submitted: 10/20/2011 09:15
Reported: 11/01/2011 11:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FL55D

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | 140 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | 19 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | 16 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | 14 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | 16 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | 120 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | 16 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | 18 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | 18 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 16 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | 18 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | 16 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | 15 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 20 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | 18 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 24 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | 18 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | 19 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | 17 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | 16 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | 15 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | 18 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | 76 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | 78 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | 18 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | 17 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 16 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | 19 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | 18 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 21 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | 17 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | 19 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 17 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | 54 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 6.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-55D Matrix Spike Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6444105**
**LLI Group # 1272363**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/19/2011 15:52 by TH

Submitted: 10/20/2011 09:15
Reported: 11/01/2011 11:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FL55D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112981BA | 10/25/2011 21:03 | Kerri E Legerlotz | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112972AA | 10/24/2011 21:39 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112972AA | 10/24/2011 21:39 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112981BA | 10/25/2011 21:03 | Kerri E Legerlotz | 1 |

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# Analysis Report



**Sample Description: MW-55D Matrix Spike Dup Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6444106**
**LLI Group # 1272363**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/19/2011 15:52 by TH

Submitted: 10/20/2011 09:15
Reported: 11/01/2011 11:17

The Johnson Company, Inc.
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100 State Street
Montpelier VT 05602

FL55D

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | 140 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | 19 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | 17 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | 14 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | 16 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | 120 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | 17 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | 19 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | 19 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 17 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | 19 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | 16 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | 16 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 19 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | 18 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 24 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | 19 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | 20 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | 18 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | 17 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | 16 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | 19 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | 77 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | 80 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | 19 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | 17 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 17 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | 20 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | 19 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 22 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | 18 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | 19 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 17 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | 56 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 6.3 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-55D Matrix Spike Dup Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6444106**
**LLI Group # 1272363**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/19/2011 15:52 by TH

Submitted: 10/20/2011 09:15
Reported: 11/01/2011 11:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FL55D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112981BA | 10/25/2011 21:25 | Kerri E Legerlotz | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112972AA | 10/24/2011 21:59 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112972AA | 10/24/2011 21:59 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112981BA | 10/25/2011 21:25 | Kerri E Legerlotz | 1 |

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# Analysis Report



## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1272363
Reported: 11/01/11 at 11:17 AM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

## Laboratory Compliance Quality Control

| Analysis Name | Blank Result | Blank LOQ | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: E112971AA | Sample number(s): 6444096-6444103 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 107 | | 80-123 | | |
| Batch number: E112972AA | Sample number(s): 6444104-6444106 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 112 | | 80-123 | | |
| Batch number: L112981AA | Sample number(s): 6444096-6444103 | | | | | | | |
| Acetone | < 20 | 20. | ug/l | 173 | | 49-234 | | |
| Benzene | < 5 | 5. | ug/l | 98 | | 79-120 | | |
| Bromodichloromethane | < 5 | 5. | ug/l | 88 | | 80-120 | | |
| Bromoform | < 5 | 5. | ug/l | 78 | | 61-120 | | |
| Bromomethane | < 5 | 5. | ug/l | 77 | | 44-120 | | |
| 2-Butanone | < 10 | 10. | ug/l | 112 | | 66-151 | | |
| Carbon Disulfide | < 5 | 5. | ug/l | 86 | | 62-120 | | |
| Carbon Tetrachloride | < 5 | 5. | ug/l | 93 | | 75-123 | | |
| Chlorobenzene | < 5 | 5. | ug/l | 98 | | 80-120 | | |
| Chloroethane | < 5 | 5. | ug/l | 77 | | 49-129 | | |
| Chloroform | < 5 | 5. | ug/l | 96 | | 77-122 | | |
| Chloromethane | < 5 | 5. | ug/l | 82 | | 60-129 | | |
| Dibromochloromethane | < 5 | 5. | ug/l | 86 | | 80-120 | | |
| 1,1-Dichloroethane | < 5 | 5. | ug/l | 96 | | 79-120 | | |
| 1,2-Dichloroethane | < 5 | 5. | ug/l | 96 | | 70-130 | | |
| 1,1-Dichloroethene | < 2 | 2. | ug/l | 102 | | 74-123 | | |
| cis-1,2-Dichloroethene | < 5 | 5. | ug/l | 98 | | 80-120 | | |
| trans-1,2-Dichloroethene | < 5 | 5. | ug/l | 99 | | 80-120 | | |
| 1,2-Dichloropropane | < 5 | 5. | ug/l | 94 | | 78-120 | | |
| cis-1,3-Dichloropropene | < 5 | 5. | ug/l | 90 | | 80-120 | | |
| trans-1,3-Dichloropropene | < 5 | 5. | ug/l | 86 | | 79-120 | | |
| Ethylbenzene | < 5 | 5. | ug/l | 96 | | 79-120 | | |
| 2-Hexanone | < 10 | 10. | ug/l | 96 | | 65-136 | | |
| 4-Methyl-2-pentanone | < 10 | 10. | ug/l | 89 | | 70-121 | | |
| Methylene Chloride | < 5 | 5. | ug/l | 100 | | 80-120 | | |
| Styrene | < 5 | 5. | ug/l | 92 | | 80-120 | | |
| 1,1,2,2-Tetrachloroethane | < 5 | 5. | ug/l | 92 | | 71-120 | | |
| Tetrachloroethene | < 5 | 5. | ug/l | 99 | | 80-121 | | |
| Toluene | < 5 | 5. | ug/l | 98 | | 79-120 | | |
| 1,1,1-Trichloroethane | < 5 | 5. | ug/l | 95 | | 75-127 | | |
| 1,1,2-Trichloroethane | < 5 | 5. | ug/l | 96 | | 80-120 | | |
| Trichloroethene | < 5 | 5. | ug/l | 98 | | 80-120 | | |
| Vinyl Chloride | < 2 | 2. | ug/l | 85 | | 65-125 | | |
| Xylene (Total) | < 5 | 5. | ug/l | 95 | | 80-120 | | |
| Batch number: L112981BA | Sample number(s): 6444104-6444106 | | | | | | | |
| Acetone | < 20 | 20. | ug/l | 173 | | 49-234 | | |
| Benzene | < 5 | 5. | ug/l | 98 | | 79-120 | | |
| Bromodichloromethane | < 5 | 5. | ug/l | 88 | | 80-120 | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1272363
Reported: 11/01/11 at 11:17 AM

| Analysis Name | Blank Result | Blank LOQ | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Bromoform | < 5 | 5. | ug/l | 78 | | 61-120 | | |
| Bromomethane | < 5 | 5. | ug/l | 77 | | 44-120 | | |
| 2-Butanone | < 10 | 10. | ug/l | 112 | | 66-151 | | |
| Carbon Disulfide | < 5 | 5. | ug/l | 86 | | 62-120 | | |
| Carbon Tetrachloride | < 5 | 5. | ug/l | 93 | | 75-123 | | |
| Chlorobenzene | < 5 | 5. | ug/l | 98 | | 80-120 | | |
| Chloroethane | < 5 | 5. | ug/l | 77 | | 49-129 | | |
| Chloroform | < 5 | 5. | ug/l | 96 | | 77-122 | | |
| Chloromethane | < 5 | 5. | ug/l | 82 | | 60-129 | | |
| Dibromochloromethane | < 5 | 5. | ug/l | 86 | | 80-120 | | |
| 1,1-Dichloroethane | < 5 | 5. | ug/l | 96 | | 79-120 | | |
| 1,2-Dichloroethane | < 5 | 5. | ug/l | 96 | | 70-130 | | |
| 1,1-Dichloroethene | < 2 | 2. | ug/l | 102 | | 74-123 | | |
| cis-1,2-Dichloroethene | < 5 | 5. | ug/l | 98 | | 80-120 | | |
| trans-1,2-Dichloroethene | < 5 | 5. | ug/l | 99 | | 80-120 | | |
| 1,2-Dichloropropane | < 5 | 5. | ug/l | 94 | | 78-120 | | |
| cis-1,3-Dichloropropene | < 5 | 5. | ug/l | 90 | | 80-120 | | |
| trans-1,3-Dichloropropene | < 5 | 5. | ug/l | 86 | | 79-120 | | |
| Ethylbenzene | < 5 | 5. | ug/l | 96 | | 79-120 | | |
| 2-Hexanone | < 10 | 10. | ug/l | 96 | | 65-136 | | |
| 4-Methyl-2-pentanone | < 10 | 10. | ug/l | 89 | | 70-121 | | |
| Methylene Chloride | < 5 | 5. | ug/l | 100 | | 80-120 | | |
| Styrene | < 5 | 5. | ug/l | 92 | | 80-120 | | |
| 1,1,2,2-Tetrachloroethane | < 5 | 5. | ug/l | 92 | | 71-120 | | |
| Tetrachloroethene | < 5 | 5. | ug/l | 99 | | 80-121 | | |
| Toluene | < 5 | 5. | ug/l | 98 | | 79-120 | | |
| 1,1,1-Trichloroethane | < 5 | 5. | ug/l | 95 | | 75-127 | | |
| 1,1,2-Trichloroethane | < 5 | 5. | ug/l | 96 | | 80-120 | | |
| Trichloroethene | < 5 | 5. | ug/l | 98 | | 80-120 | | |
| Vinyl Chloride | < 2 | 2. | ug/l | 85 | | 65-125 | | |
| Xylene (Total) | < 5 | 5. | ug/l | 95 | | 80-120 | | |
| Batch number: L112991AA | Sample number(s): 6444099 | | | | | | | |
| 1,1-Dichloroethene | < 2 | 2. | ug/l | 95 | 92 | 74-123 | 2 | 30 |

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| Batch number: E112971AA | Sample number(s): 6444096-6444103 UNSPK: 6444100 | | | | | | | | |
| 1,4-Dioxane | 82 | 81 | 73-138 | 1 | 30 | | | | |
| Batch number: E112972AA | Sample number(s): 6444104-6444106 UNSPK: 6444104 | | | | | | | | |
| 1,4-Dioxane | 104 | 111 | 73-138 | 5 | 30 | | | | |
| Batch number: L112981AA | Sample number(s): 6444096-6444103 UNSPK: 6444100 | | | | | | | | |
| Acetone | 173* | 174* | 52-139 | 0 | 30 | | | | |
| Benzene | 99 | 97 | 80-126 | 2 | 30 | | | | |
| Bromodichloromethane | 87 | 85 | 78-125 | 2 | 30 | | | | |
| Bromoform | 76 | 76 | 60-121 | 0 | 30 | | | | |
| Bromomethane | 86 | 84 | 38-149 | 3 | 30 | | | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1272363
Reported: 11/01/11 at 11:17 AM

### Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| 2-Butanone | 112 | 111 | 57-138 | 2 | 30 | | | | |
| Carbon Disulfide | 87 | 86 | 67-135 | 1 | 30 | | | | |
| Carbon Tetrachloride | 98 | 96 | 81-138 | 2 | 30 | | | | |
| Chlorobenzene | 98 | 97 | 87-124 | 1 | 30 | | | | |
| Chloroethane | 86 | 85 | 51-145 | 1 | 30 | | | | |
| Chloroform | 97 | 96 | 81-134 | 1 | 30 | | | | |
| Chloromethane | 83 | 83 | 67-154 | 0 | 30 | | | | |
| Dibromochloromethane | 84 | 84 | 74-116 | 0 | 30 | | | | |
| 1,1-Dichloroethane | 96 | 95 | 84-129 | 0 | 30 | | | | |
| 1,2-Dichloroethane | 96 | 94 | 66-141 | 2 | 30 | | | | |
| 1,1-Dichloroethene | 102 | 103 | 85-142 | 0 | 30 | | | | |
| cis-1,2-Dichloroethene | 98 | 97 | 85-125 | 1 | 30 | | | | |
| trans-1,2-Dichloroethene | 100 | 98 | 87-126 | 2 | 30 | | | | |
| 1,2-Dichloropropane | 92 | 91 | 83-124 | 2 | 30 | | | | |
| cis-1,3-Dichloropropene | 86 | 87 | 75-125 | 1 | 30 | | | | |
| trans-1,3-Dichloropropene | 82 | 81 | 74-119 | 1 | 30 | | | | |
| Ethylbenzene | 97 | 96 | 71-134 | 1 | 30 | | | | |
| 2-Hexanone | 100 | 98 | 55-127 | 1 | 30 | | | | |
| 4-Methyl-2-pentanone | 86 | 85 | 63-123 | 2 | 30 | | | | |
| Methylene Chloride | 98 | 96 | 79-120 | 1 | 30 | | | | |
| Styrene | 91 | 90 | 78-125 | 1 | 30 | | | | |
| 1,1,2,2-Tetrachloroethane | 88 | 86 | 72-128 | 2 | 30 | | | | |
| Tetrachloroethene | 110 | 109 | 80-128 | 0 | 30 | | | | |
| Toluene | 96 | 95 | 80-125 | 1 | 30 | | | | |
| 1,1,1-Trichloroethane | 86 | 86 | 80-143 | 0 | 30 | | | | |
| 1,1,2-Trichloroethane | 94 | 94 | 77-124 | 0 | 30 | | | | |
| Trichloroethene | 101 | 100 | 88-133 | 1 | 30 | | | | |
| Vinyl Chloride | 89 | 89 | 66-133 | 0 | 30 | | | | |
| Xylene (Total) | 96 | 95 | 79-125 | 1 | 30 | | | | |
| Batch number: L112981BA | Sample number(s): 6444104-6444106 UNSPK: 6444104 | | | | | | | | |
| Acetone | 91 | 93 | 52-139 | 2 | 30 | | | | |
| Benzene | 93 | 96 | 80-126 | 3 | 30 | | | | |
| Bromodichloromethane | 80 | 83 | 78-125 | 4 | 30 | | | | |
| Bromoform | 70 | 72 | 60-121 | 2 | 30 | | | | |
| Bromomethane | 81 | 82 | 38-149 | 1 | 30 | | | | |
| 2-Butanone | 80 | 82 | 57-138 | 3 | 30 | | | | |
| Carbon Disulfide | 82 | 85 | 67-135 | 3 | 30 | | | | |
| Carbon Tetrachloride | 91 | 93 | 81-138 | 2 | 30 | | | | |
| Chlorobenzene | 92 | 95 | 87-124 | 3 | 30 | | | | |
| Chloroethane | 80 | 83 | 51-145 | 4 | 30 | | | | |
| Chloroform | 91 | 94 | 81-134 | 3 | 30 | | | | |
| Chloromethane | 78 | 81 | 67-154 | 4 | 30 | | | | |
| Dibromochloromethane | 77 | 80 | 74-116 | 3 | 30 | | | | |
| 1,1-Dichloroethane | 98 | 97 | 84-129 | 1 | 30 | | | | |
| 1,2-Dichloroethane | 88 | 91 | 66-141 | 3 | 30 | | | | |
| 1,1-Dichloroethene | 101 | 102 | 85-142 | 1 | 30 | | | | |
| cis-1,2-Dichloroethene | 92 | 95 | 85-125 | 4 | 30 | | | | |
| trans-1,2-Dichloroethene | 94 | 98 | 87-126 | 4 | 30 | | | | |
| 1,2-Dichloropropane | 86 | 89 | 83-124 | 3 | 30 | | | | |
| cis-1,3-Dichloropropene | 80 | 83 | 75-125 | 5 | 30 | | | | |
| trans-1,3-Dichloropropene | 76 | 79 | 74-119 | 4 | 30 | | | | |
| Ethylbenzene | 92 | 93 | 71-134 | 2 | 30 | | | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1272363
Reported: 11/01/11 at 11:17 AM

### Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| 2-Hexanone | 76 | 77 | 55-127 | 1 | 30 | | | | |
| 4-Methyl-2-pentanone | 78 | 80 | 63-123 | 3 | 30 | | | | |
| Methylene Chloride | 91 | 93 | 79-120 | 2 | 30 | | | | |
| Styrene | 86 | 87 | 78-125 | 2 | 30 | | | | |
| 1,1,2,2-Tetrachloroethane | 82 | 84 | 72-128 | 2 | 30 | | | | |
| Tetrachloroethene | 97 | 100 | 80-128 | 3 | 30 | | | | |
| Toluene | 90 | 93 | 80-125 | 3 | 30 | | | | |
| 1,1,1-Trichloroethane | 83 | 83 | 80-143 | 0 | 30 | | | | |
| 1,1,2-Trichloroethane | 87 | 89 | 77-124 | 3 | 30 | | | | |
| Trichloroethene | 94 | 97 | 88-133 | 2 | 30 | | | | |
| Vinyl Chloride | 83 | 86 | 66-133 | 4 | 30 | | | | |
| Xylene (Total) | 90 | 93 | 79-125 | 2 | 30 | | | | |

### Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E112971AA

| | Toluene-d8 |
|---|---|
| 6444096 | 100 |
| 6444097 | 100 |
| 6444098 | 100 |
| 6444099 | 100 |
| 6444100 | 100 |
| 6444101 | 100 |
| 6444102 | 100 |
| 6444103 | 100 |
| Blank | 100 |
| LCS | 100 |
| MS | 100 |
| MSD | 100 |
| Limits: | 80-120 |

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E112972AA

| | Toluene-d8 |
|---|---|
| 6444104 | 100 |
| 6444105 | 100 |
| 6444106 | 100 |
| Blank | 100 |
| LCS | 100 |
| MS | 100 |
| MSD | 100 |
| Limits: | 80-120 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1272363
Reported: 11/01/11 at 11:17 AM

### Surrogate Quality Control

Analysis Name: 8260 Std. Water Master
Batch number: L112981AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| 6444096 | 97 | 100 | 98 | 95 |
| 6444097 | 98 | 101 | 98 | 95 |
| 6444098 | 99 | 100 | 98 | 95 |
| 6444099 | 99 | 99 | 98 | 95 |
| 6444100 | 99 | 103 | 98 | 95 |
| 6444101 | 100 | 101 | 98 | 96 |
| 6444102 | 100 | 102 | 98 | 96 |
| 6444103 | 71* | 100 | 97 | 95 |
| Blank | 97 | 101 | 97 | 95 |
| LCS | 98 | 100 | 99 | 97 |
| MS | 100 | 101 | 98 | 96 |
| MSD | 100 | 102 | 98 | 96 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

Analysis Name: 8260 Std. Water Master
Batch number: L112981BA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| 6444104 | 98 | 100 | 98 | 94 |
| 6444105 | 99 | 105 | 99 | 96 |
| 6444106 | 99 | 103 | 98 | 96 |
| Blank | 97 | 101 | 97 | 95 |
| LCS | 98 | 100 | 99 | 97 |
| MS | 99 | 105 | 99 | 96 |
| MSD | 99 | 103 | 98 | 96 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

Analysis Name: 8260 Master Scan (water)
Batch number: L112991AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| Blank | 98 | 101 | 98 | 95 |
| LCS | 99 | 102 | 98 | 96 |
| LCSD | 99 | 102 | 99 | 96 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 06556 Group# 1272363 Sample # 6444096-106

**COC #** 271613

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: The Johnson Company Acct. #: 06556
Project Name/#: AD-GA / 1-0145-4 PWSID #:
Project Manager: Glen Kirkpatrick P.O.#: 1-0145-4
Sampler: Tristan Hardy / Maya Weern Quote #:
Name of state where samples were collected: GA

(2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | Matrix: Soil | Water | Other (Check if Potable / NPDES Applicable) | (4) Total # of Containers | (5) Analyses Requested / Preservation Codes: H | 8260B | 1,4-Dioxane via Iso Dil SIM | MS/MSD

| Sample Identification | Date Collected | Time Collected | Grab | Composite | Soil | Water | Other | Total # of Containers | H | 8260B | 1,4-Dioxane via Iso Dil SIM | MS/MSD | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Trip Blank | 10/19/11 | — | X | | | X | | 4 | | 2 | 2 | | |
| MW-51D | | 0917 | X | | | X | | 6 | | 3 | 3 | | |
| DP-1 | | 1000 | X | | | X | | 6 | | 3 | 3 | | |
| BR-20 | | 1237 | X | | | X | | 6 | | 3 | 3 | | |
| BR-20D | | 1637 | X | | | X | | 18 | | 9 | 9 | X | MS/MSD collected |
| BR-18 | | 1335 | X | | | X | | 6 | | 3 | 3 | | |
| MW-55D | | 1552 | X | | | X | | 18 | | 9 | 9 | X | MS/MSD collected |

For Lab Use Only
FSC:
SCR#:

**Preservation Codes**
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

Please Use a PQL of 2 µg/L for Vinyl Chloride

(6) Temperature of samples upon receipt (if requested)

(7) **Turnaround Time Requested** (TAT) (please circle): (Normal) Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 802-229-4600 Fax #:
E-mail address: GAK@jcomail.com

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg)
Type II (Tier II)
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)
TX TRRP-13
MA MCP CT RCP
SDG Complete? Yes No
Site-specific QC (MS/MSD/Dup)? (Yes) No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No

| Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|
| | 10/19/11 1650 | 1650 | | | |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: Brandy Bailey | 10-20-11 | 915 |

(9)

Lancaster Laboratories

# Environmental Sample Administration
# Receipt Documentation Log

**Client/Project:** The Johnson Co

**Date of Receipt:** 10-20-11

**Time of Receipt:** 915

**Source Code:** SO-1

**Shipping Container Sealed:** (YES) NO

**Custody Seal Present * :** (YES) NO

* Custody seal was intact unless otherwise noted in the discrepancy section

**Package:** (Chilled) Not Chilled

| Temperature of Shipping Containers | | | | | | | |
|---|---|---|---|---|---|---|---|
| Cooler # | Thermometer ID | Temperature (°C) | Temp Bottle (TB) or Surface Temp (ST) | Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP) | Ice Present? Y/N | Loose (L) Bagged Ice (B) or NA | Comments |
| 1 | 2783 | 2.8 | TB | WI | Y | B | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |

**Number of Trip Blanks received NOT listed on chain of custody:** 0

**Paperwork Discrepancy/Unpacking Problems:**

**Unpacker Signature/Emp#:** Brandy Baseley 2299 **Date/Time:** 10-20-11 13:16

Issued by Dept. 6042 Management

2174.06

# Explanation of Symbols and Abbreviations

*The following defines common symbols and abbreviations used in reporting technical data:*

| | | | |
|---|---|---|---|
| **RL** | Reporting Limit | **BMQL** | Below Minimum Quantitation Level |
| **N.D.** | none detected | **MPN** | Most Probable Number |
| **TNTC** | Too Numerous To Count | **CP Units** | cobalt-chloroplatinate units |
| **IU** | International Units | **NTU** | nephelometric turbidity units |
| **umhos/cm** | micromhos/cm | **ng** | nanogram(s) |
| **C** | degrees Celsius | **F** | degrees Fahrenheit |
| **meq** | milliequivalents | **lb.** | pound(s) |
| **g** | gram(s) | **kg** | kilogram(s) |
| **ug** | microgram(s) | **mg** | milligram(s) |
| **ml** | milliliter(s) | **l** | liter(s) |
| **m3** | cubic meter(s) | **ul** | microliter(s) |

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**J** estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

*U.S. EPA CLP Data Qualifiers:*

**Organic Qualifiers**

| | |
|---|---|
| **A** | TIC is a possible aldol-condensation product |
| **B** | Analyte was also detected in the blank |
| **C** | Pesticide result confirmed by GC/MS |
| **D** | Compound quantitated on a diluted sample |
| **E** | Concentration exceeds the calibration range of the instrument |
| **N** | Presumptive evidence of a compound (TICs only) |
| **P** | Concentration difference between primary and confirmation columns >25% |
| **U** | Compound was not detected |
| **X,Y,Z** | Defined in case narrative |

**Inorganic Qualifiers**

| | |
|---|---|
| **B** | Value is <CRDL, but ≥IDL |
| **E** | Estimated due to interference |
| **M** | Duplicate injection precision not met |
| **N** | Spike sample not within control limits |
| **S** | Method of standard additions (MSA) used for calculation |
| **U** | Compound was not detected |
| **W** | Post digestion spike out of control limits |
| ***** | Duplicate analysis not within control limits |
| **+** | Correlation coefficient for MSA <0.995 |

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

Lancaster Laboratories

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# Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

November 01, 2011

Project: Avery Dennison / Flowery Branch, GA

Submittal Date: 10/21/2011
Group Number: 1272537
PO Number: 1-0145-4
State of Sample Origin: GA

| Client Sample Description | Lancaster Labs (LLI) # |
|---|---|
| Trip Blank Water | 6445488 |
| MW-66 Grab Water | 6445489 |
| MW-57D Grab Water | 6445490 |
| MW-57I Grab Water | 6445491 |
| MW-8 Grab Water | 6445492 |
| MW-59D Grab Water | 6445493 |
| MW-59I Grab Water | 6445494 |
| MW-27S Grab Water | 6445495 |
| MW-27D Grab Water | 6445496 |
| MW-26D Grab Water | 6445497 |
| MW-26S Grab Water | 6445498 |

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO The Johnson Company, Inc. Attn: Glen Kirkpatrick

Lancaster Laboratories

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# Analysis Report

Questions? Contact your Client Services Representative
Wendy A Kozma at (717) 656-2300 Ext. 1522

Respectfully Submitted,

Lawrence M. Taylor
Senior Specialist

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

# Analysis Report



**Sample Description: Trip Blank Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6445488**
**LLI Group # 1272537**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2011

Submitted: 10/21/2011 09:15
Reported: 11/01/2011 11:12

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

TBAD-

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

Lancaster Laboratories

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# Analysis Report



**Sample Description: Trip Blank Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6445488**
**LLI Group # 1272537**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2011

Submitted: 10/21/2011 09:15
Reported: 11/01/2011 11:12

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

TBAD-

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112991AA | 10/26/2011 03:04 | Stephanie A Selis | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112971AA | 10/24/2011 13:36 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112971AA | 10/24/2011 13:36 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112991AA | 10/26/2011 03:04 | Stephanie A Selis | 1 |

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# Analysis Report



**Sample Description: MW-66 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6445489**
**LLI Group # 1272537**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/19/2011 18:02 by TH

Submitted: 10/21/2011 09:15
Reported: 11/01/2011 11:12

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADG66

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 3.1 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-66 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6445489**
**LLI Group # 1272537**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/19/2011 18:02 by TH

Submitted: 10/21/2011 09:15
Reported: 11/01/2011 11:12

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADG66

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112991AA | 10/26/2011 03:26 | Stephanie A Selis | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112971AA | 10/24/2011 13:56 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112971AA | 10/24/2011 13:56 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112991AA | 10/26/2011 03:26 | Stephanie A Selis | 1 |

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# Analysis Report



**Sample Description: MW-57D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6445490**
**LLI Group # 1272537**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2011 09:32 by TH

Submitted: 10/21/2011 09:15
Reported: 11/01/2011 11:12

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD57D

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 110 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 740 | 20 | 10 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 330 | 50 | 10 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 5.5 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-57D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6445490**
**LLI Group # 1272537**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2011 09:32 by TH

Submitted: 10/21/2011 09:15
Reported: 11/01/2011 11:12

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD57D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112991AA | 10/26/2011 03:48 | Stephanie A Selis | 1 |
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112991AA | 10/26/2011 04:09 | Stephanie A Selis | 10 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112971AA | 10/24/2011 14:16 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112971AA | 10/24/2011 14:16 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112991AA | 10/26/2011 03:48 | Stephanie A Selis | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 3 | L112991AA | 10/26/2011 04:09 | Stephanie A Selis | 10 |

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# Analysis Report



**Sample Description: MW-57I Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6445491**
**LLI Group # 1272537**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2011 10:47 by TH

Submitted: 10/21/2011 09:15
Reported: 11/01/2011 11:12

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD57I

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 170 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 1,300 | 20 | 10 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 580 | 50 | 10 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 18 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-57I Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6445491**
**LLI Group # 1272537**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2011 10:47 by TH

Submitted: 10/21/2011 09:15
Reported: 11/01/2011 11:12

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD57I

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112991AA | 10/26/2011 04:31 | Stephanie A Selis | 1 |
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112991AA | 10/26/2011 10:48 | Stephanie A Selis | 10 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112971AA | 10/24/2011 14:36 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112971AA | 10/24/2011 14:36 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112991AA | 10/26/2011 04:31 | Stephanie A Selis | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 3 | L112991AA | 10/26/2011 10:48 | Stephanie A Selis | 10 |

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# Analysis Report



**Sample Description: MW-8 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6445492**
**LLI Group # 1272537**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2011 12:07 by TH

Submitted: 10/21/2011 09:15
Reported: 11/01/2011 11:12

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADG-8

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 10 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 22 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-8 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6445492**
**LLI Group # 1272537**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2011 12:07 by TH

Submitted: 10/21/2011 09:15
Reported: 11/01/2011 11:12

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADG-8

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112991AA | 10/26/2011 04:53 | Stephanie A Selis | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112972AA | 10/24/2011 20:19 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112972AA | 10/24/2011 20:19 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112991AA | 10/26/2011 04:53 | Stephanie A Selis | 1 |

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# Analysis Report



**Sample Description: MW-59D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6445493**
**LLI Group # 1272537**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2011 14:27 by TH

Submitted: 10/21/2011 09:15
Reported: 11/01/2011 11:12

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD59D

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 28 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 280 | 50 | 10 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 310 | 20 | 10 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | 7 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 250 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | 7 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 6.3 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-59D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6445493**
**LLI Group # 1272537**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2011 14:27 by TH

Submitted: 10/21/2011 09:15
Reported: 11/01/2011 11:12

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD59D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112991AA | 10/26/2011 05:15 | Stephanie A Selis | 1 |
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112991AA | 10/26/2011 11:10 | Stephanie A Selis | 10 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112971AA | 10/24/2011 15:16 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112971AA | 10/24/2011 15:16 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112991AA | 10/26/2011 05:15 | Stephanie A Selis | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 3 | L112991AA | 10/26/2011 11:10 | Stephanie A Selis | 10 |

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# Analysis Report



**Sample Description: MW-59I Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6445494**
**LLI Group # 1272537**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2011 15:57 by TH

Submitted: 10/21/2011 09:15
Reported: 11/01/2011 11:12

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD59I

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-59I Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6445494**
**LLI Group # 1272537**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2011 15:57 by TH

Submitted: 10/21/2011 09:15
Reported: 11/01/2011 11:12

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD59I

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112991AA | 10/26/2011 05:37 | Stephanie A Selis | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112971AA | 10/24/2011 15:36 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112971AA | 10/24/2011 15:36 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112991AA | 10/26/2011 05:37 | Stephanie A Selis | 1 |

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# Analysis Report



**Sample Description: MW-27S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6445495**
**LLI Group # 1272537**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2011 08:55 by TH

Submitted: 10/21/2011 09:15
Reported: 11/01/2011 11:12

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD27S

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 39 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-27S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6445495**
**LLI Group # 1272537**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2011 08:55 by TH

Submitted: 10/21/2011 09:15
Reported: 11/01/2011 11:12

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD27S

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112991AA | 10/26/2011 06:02 | Stephanie A Selis | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112971AA | 10/24/2011 15:56 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112971AA | 10/24/2011 15:56 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112991AA | 10/26/2011 06:02 | Stephanie A Selis | 1 |

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# Analysis Report



**Sample Description: MW-27D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6445496**
**LLI Group # 1272537**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2011 10:58 by TH

Submitted: 10/21/2011 09:15
Reported: 11/01/2011 11:12

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD27D

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 7 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 50 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-27D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6445496**
**LLI Group # 1272537**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2011 10:58 by TH

Submitted: 10/21/2011 09:15
Reported: 11/01/2011 11:12

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD27D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112991AA | 10/26/2011 06:24 | Stephanie A Selis | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112971AA | 10/24/2011 16:16 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112971AA | 10/24/2011 16:16 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112991AA | 10/26/2011 06:24 | Stephanie A Selis | 1 |

Lancaster Laboratories

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# Analysis Report



**Sample Description: MW-26D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6445497**
**LLI Group # 1272537**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2011 13:37 by TH

Submitted: 10/21/2011 09:15
Reported: 11/01/2011 11:12

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD26D

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-26D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6445497**
**LLI Group # 1272537**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2011 13:37 by TH

Submitted: 10/21/2011 09:15
Reported: 11/01/2011 11:12

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD26D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112991AA | 10/26/2011 06:46 | Stephanie A Selis | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112971AA | 10/24/2011 16:36 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112971AA | 10/24/2011 16:36 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112991AA | 10/26/2011 06:46 | Stephanie A Selis | 1 |

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# Analysis Report



**Sample Description: MW-26S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6445498**
**LLI Group # 1272537**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2011 15:30 by TH

Submitted: 10/21/2011 09:15
Reported: 11/01/2011 11:12

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD26S

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 7 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 160 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 45 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 2.6 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

Lancaster Laboratories

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# Analysis Report



**Sample Description: MW-26S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6445498**
**LLI Group # 1272537**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2011 15:30 by TH

Submitted: 10/21/2011 09:15
Reported: 11/01/2011 11:12

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD26S

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112991AA | 10/26/2011 07:08 | Stephanie A Selis | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112971AA | 10/24/2011 16:56 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112971AA | 10/24/2011 16:56 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112991AA | 10/26/2011 07:08 | Stephanie A Selis | 1 |

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# Analysis Report



## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1272537
Reported: 11/01/11 at 11:12 AM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

## Laboratory Compliance Quality Control

| Analysis Name | Blank Result | Blank LOQ | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: E112971AA | Sample number(s): 6445488-6445491,6445493-6445498 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 107 | | 80-123 | | |
| Batch number: E112972AA | Sample number(s): 6445492 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 112 | | 80-123 | | |
| Batch number: L112991AA | Sample number(s): 6445488-6445498 | | | | | | | |
| Acetone | < 20 | 20. | ug/l | 132 | 128 | 49-234 | 3 | 30 |
| Benzene | < 5 | 5. | ug/l | 94 | 92 | 79-120 | 2 | 30 |
| Bromodichloromethane | < 5 | 5. | ug/l | 84 | 82 | 80-120 | 3 | 30 |
| Bromoform | < 5 | 5. | ug/l | 74 | 76 | 61-120 | 2 | 30 |
| Bromomethane | < 5 | 5. | ug/l | 74 | 72 | 44-120 | 2 | 30 |
| 2-Butanone | < 10 | 10. | ug/l | 97 | 96 | 66-151 | 1 | 30 |
| Carbon Disulfide | < 5 | 5. | ug/l | 77 | 76 | 62-120 | 2 | 30 |
| Carbon Tetrachloride | < 5 | 5. | ug/l | 86 | 84 | 75-123 | 2 | 30 |
| Chlorobenzene | < 5 | 5. | ug/l | 94 | 93 | 80-120 | 1 | 30 |
| Chloroethane | < 5 | 5. | ug/l | 78 | 77 | 49-129 | 1 | 30 |
| Chloroform | < 5 | 5. | ug/l | 93 | 91 | 77-122 | 2 | 30 |
| Chloromethane | < 5 | 5. | ug/l | 78 | 76 | 60-129 | 3 | 30 |
| Dibromochloromethane | < 5 | 5. | ug/l | 82 | 82 | 80-120 | 1 | 30 |
| 1,1-Dichloroethane | < 5 | 5. | ug/l | 92 | 90 | 79-120 | 2 | 30 |
| 1,2-Dichloroethane | < 5 | 5. | ug/l | 93 | 91 | 70-130 | 2 | 30 |
| 1,1-Dichloroethene | < 2 | 2. | ug/l | 95 | 92 | 74-123 | 2 | 30 |
| cis-1,2-Dichloroethene | < 5 | 5. | ug/l | 93 | 93 | 80-120 | 1 | 30 |
| trans-1,2-Dichloroethene | < 5 | 5. | ug/l | 94 | 93 | 80-120 | 1 | 30 |
| 1,2-Dichloropropane | < 5 | 5. | ug/l | 90 | 87 | 78-120 | 3 | 30 |
| cis-1,3-Dichloropropene | < 5 | 5. | ug/l | 85 | 84 | 80-120 | 2 | 30 |
| trans-1,3-Dichloropropene | < 5 | 5. | ug/l | 81 | 81 | 79-120 | 0 | 30 |
| Ethylbenzene | < 5 | 5. | ug/l | 92 | 91 | 79-120 | 1 | 30 |
| 2-Hexanone | < 10 | 10. | ug/l | 90 | 90 | 65-136 | 0 | 30 |
| 4-Methyl-2-pentanone | < 10 | 10. | ug/l | 85 | 84 | 70-121 | 1 | 30 |
| Methylene Chloride | < 5 | 5. | ug/l | 97 | 94 | 80-120 | 3 | 30 |
| Styrene | < 5 | 5. | ug/l | 88 | 86 | 80-120 | 2 | 30 |
| 1,1,2,2-Tetrachloroethane | < 5 | 5. | ug/l | 88 | 89 | 71-120 | 1 | 30 |
| Tetrachloroethene | < 5 | 5. | ug/l | 95 | 95 | 80-121 | 1 | 30 |
| Toluene | < 5 | 5. | ug/l | 92 | 92 | 79-120 | 0 | 30 |
| 1,1,1-Trichloroethane | < 5 | 5. | ug/l | 91 | 89 | 75-127 | 2 | 30 |
| 1,1,2-Trichloroethane | < 5 | 5. | ug/l | 92 | 92 | 80-120 | 0 | 30 |
| Trichloroethene | < 5 | 5. | ug/l | 95 | 91 | 80-120 | 4 | 30 |
| Vinyl Chloride | < 2 | 2. | ug/l | 81 | 77 | 65-125 | 5 | 30 |
| Xylene (Total) | < 5 | 5. | ug/l | 91 | 90 | 80-120 | 1 | 30 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1272537
Reported: 11/01/11 at 11:12 AM

### Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| Batch number: E112971AA | Sample number(s): 6445488-6445491,6445493-6445498 UNSPK: P444100 | | | | | | | | |
| 1,4-Dioxane | 82 | 81 | 73-138 | 1 | 30 | | | | |
| Batch number: E112972AA | Sample number(s): 6445492 UNSPK: P444104 | | | | | | | | |
| 1,4-Dioxane | 104 | 111 | 73-138 | 5 | 30 | | | | |

### Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed
unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E112971AA

| | Toluene-d8 |
|---|---|
| 6445488 | 100 |
| 6445489 | 100 |
| 6445490 | 100 |
| 6445491 | 100 |
| 6445493 | 100 |
| 6445494 | 100 |
| 6445495 | 100 |
| 6445496 | 100 |
| 6445497 | 100 |
| 6445498 | 100 |
| Blank | 100 |
| LCS | 100 |
| MS | 100 |
| MSD | 100 |
| Limits: | 80-120 |

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E112972AA

| | Toluene-d8 |
|---|---|
| 6445492 | 100 |
| Blank | 100 |
| LCS | 100 |
| MS | 100 |
| MSD | 100 |
| Limits: | 80-120 |

Analysis Name: 8260 Std. Water Master
Batch number: L112991AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| 6445488 | 97 | 102 | 98 | 95 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1272537
Reported: 11/01/11 at 11:12 AM

## Surrogate Quality Control

| | | | | |
|---|---|---|---|---|
| 6445489 | 97 | 100 | 98 | 94 |
| 6445490 | 101 | 102 | 98 | 94 |
| 6445491 | 103 | 103 | 98 | 95 |
| 6445492 | 98 | 101 | 96 | 94 |
| 6445493 | 102 | 100 | 97 | 94 |
| 6445494 | 98 | 102 | 97 | 94 |
| 6445495 | 97 | 102 | 98 | 94 |
| 6445496 | 99 | 102 | 98 | 94 |
| 6445497 | 98 | 102 | 97 | 94 |
| 6445498 | 99 | 102 | 97 | 94 |
| Blank | 98 | 101 | 98 | 95 |
| LCS | 99 | 102 | 98 | 96 |
| LCSD | 99 | 102 | 99 | 96 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 10556 Group# 1272537 Sample # 6445488-98

**COC #** 271614

Please print. Instructions on reverse side correspond with circled numbers.

(1) Client: The Johnson Co. Acct. #: 06556

Project Name/#: AD-GA / 1-0145-4 PWSID #:

Project Manager: Glen Kirkpatrick P.O.#: 1-0145-4

Sampler: Tristan Hardy / Maja Waern Quote #:

Name of state where samples were collected: GA

(4) Matrix: Soil | Water | Other | Potable / NPDES (Check if Applicable) | Total # of Containers

(5) Analyses Requested — Preservation Codes: 1 = H

| (2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | Soil | Water | Other | Potable / NPDES | Total # of Containers | 8260B | 1,4 Dioxane via ISO DIL SIM |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Trip Blank | 10/20/11 | — | X | | | X | | | 4 | 2 | 2 |
| MW-66 | 10/19/11 | 1802 | X | | | X | | | 6 | 3 | 3 |
| MW-57D | 10/20/11 | 0932 | X | | | X | | | 6 | 3 | 3 |
| MW-57I | 10/20/11 | 1047 | X | | | X | | | 6 | 3 | 3 |
| MW-8 | 10/20/11 | 1207 | X | | | X | | | 6 | 3 | 3 |
| MW-59D | 10/20/11 | 1427 | X | | | X | | | 6 | 3 | 3 |
| MW-59I | 10/20/11 | 1557 | X | | | X | | | 6 | 3 | 3 |
| MW-27S | " | 0855 | X | | | X | | | 6 | 3 | 3 |
| MW-27D | " | 1058 | X | | | X | | | 6 | 3 | 3 |
| MW-26D | " | 1337 | X | | | X | | | 6 | 3 | 3 |

For Lab Use Only

FSC:

SCR#:

**Preservation Codes**

H=HCl T=Thiosulfate

N=$HNO_3$ B=NaOH

S=$H_2SO_4$ O=Other

(6) Temperature of samples upon receipt (if requested)

**Remarks:** Please use a PQL of 2 µg/L for Vinyl Chloride

(7) **Turnaround Time Requested** (TAT) (please circle): (Normal) Rush

(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)

Date results are needed:

Rush results requested by (please circle): Phone Fax E-mail

Phone #: 802-229-4600 Fax #:

E-mail address: GAK@jcomail.com

(8) **Data Package Options** (please circle if required)

Type I (validation/NJ Reg)
Type II (Tier II)
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

TX TRRP-13
MA MCP CT RCP

SDG Complete? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No

(If yes, indicate QC sample and submit triplicate volume.)

Internal COC Required? Yes / No

(9)

| Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|
| | 10/20/11 | 1630 | | | |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | 10/21/11 | 915 |

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300 Fax: (717) 656-6766

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

Issued by Dept. 6042 Management 2102.05

# Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 6556 Group# 272537 Sample # 6445488-98

**COC #** 271615

Please print. Instructions on reverse side correspond with circled numbers.

**For Lab Use Only**
FSC: _____
SCR#: _____

(1)
Client: The Johnson Co. Acct. #: 06556
Project Name/#: AD-GA / 1-0145-4 PWSID #: _____
Project Manager: Glen Kirkpatrick P.O.#: 1-0145-4
Sampler: Tristan Hardy / Maja Waem Quote #: _____
Name of state where samples were collected: GA

(2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | (4) Matrix: Soil | Water (Check if ☐ Potable ☐ NPDES) | Other | Total # of Containers | (5) Analyses Requested — Preservation Codes: 1 | H | 8260B | 1,4-Dioxane via 1SO DLL SIM | Remarks | (6) Temperature of samples upon receipt (if requested)

| Sample Identification | Date Collected | Time Collected | Grab | Composite | Soil | Water | Other | Total # of Containers | 1 | H | 8260B | 1,4-Dioxane via 1SO DLL SIM | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-265 | 10/20/11 | 1530 | X | | | X | | 6 | | | 3 | 3 | |

**Preservation Codes**
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

Please use a PQL of 2ug/L for Vinyl Chloride

(7) **Turnaround Time Requested** (TAT) (please circle): (Normal) Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 802-229-4600 Fax #: _____
E-mail address: GAK@JCOmail.com

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

Site-specific QC (MS/MSD/Dup)? (Yes) No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No _____

| Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|
| | 10/20/11 | 1630 | | | |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | 10/21/11 | 915 |

(9)

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300 Fax: (717) 656-6766
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

Issued by Dept. 6042 Management
2102.05

Lancaster Laboratories

# Environmental Sample Administration
# Receipt Documentation Log

**Client/Project:** The Johnson Company

**Date of Receipt:** 10/21/11

**Time of Receipt:** 915

**Source Code:** SO-1

**Shipping Container Sealed:** (YES) NO

**Custody Seal Present * :** (YES) NO

* Custody seal was intact unless otherwise noted in the discrepancy section

**Package:** (Chilled) Not Chilled

| Temperature of Shipping Containers | | | | | | | |
|---|---|---|---|---|---|---|---|
| Cooler # | Thermometer ID | Temperature (°C) | Temp Bottle (TB) or Surface Temp (ST) | Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP) | Ice Present? Y/N | Loose (L) Bagged Ice (B) or NA | Comments |
| 1 | 0429951 | 1.0 | TB | WI | Y | B | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |

**Number of Trip Blanks received NOT listed on chain of custody:** 0

**Paperwork Discrepancy/Unpacking Problems:**

1#40 vial of MW-59D has no sample id listed

**Unpacker Signature/Emp#:** 2308 **Date/Time:** 10/21/11 1055

Issued by Dept. 6042 Management

2174.06

# Explanation of Symbols and Abbreviations

*The following defines common symbols and abbreviations used in reporting technical data:*

| | | | |
|---|---|---|---|
| **RL** | Reporting Limit | **BMQL** | Below Minimum Quantitation Level |
| **N.D.** | none detected | **MPN** | Most Probable Number |
| **TNTC** | Too Numerous To Count | **CP Units** | cobalt-chloroplatinate units |
| **IU** | International Units | **NTU** | nephelometric turbidity units |
| **umhos/cm** | micromhos/cm | **ng** | nanogram(s) |
| **C** | degrees Celsius | **F** | degrees Fahrenheit |
| **meq** | milliequivalents | **lb.** | pound(s) |
| **g** | gram(s) | **kg** | kilogram(s) |
| **ug** | microgram(s) | **mg** | milligram(s) |
| **ml** | milliliter(s) | **l** | liter(s) |
| **m3** | cubic meter(s) | **ul** | microliter(s) |

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**J** estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

*U.S. EPA CLP Data Qualifiers:*

**Organic Qualifiers**

| | |
|---|---|
| **A** | TIC is a possible aldol-condensation product |
| **B** | Analyte was also detected in the blank |
| **C** | Pesticide result confirmed by GC/MS |
| **D** | Compound quantitated on a diluted sample |
| **E** | Concentration exceeds the calibration range of the instrument |
| **N** | Presumptive evidence of a compound (TICs only) |
| **P** | Concentration difference between primary and confirmation columns >25% |
| **U** | Compound was not detected |
| **X,Y,Z** | Defined in case narrative |

**Inorganic Qualifiers**

| | |
|---|---|
| **B** | Value is <CRDL, but ≥IDL |
| **E** | Estimated due to interference |
| **M** | Duplicate injection precision not met |
| **N** | Spike sample not within control limits |
| **S** | Method of standard additions (MSA) used for calculation |
| **U** | Compound was not detected |
| **W** | Post digestion spike out of control limits |
| ***** | Duplicate analysis not within control limits |
| **+** | Correlation coefficient for MSA <0.995 |

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

# Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

November 03, 2011

Project: Avery Dennison / Flowery Branch, GA

Submittal Date: 10/22/2011
Group Number: 1272750
PO Number: 1-0145-4
State of Sample Origin: GA

| Client Sample Description | Lancaster Labs (LLI) # |
|---|---|
| Trip Blank Water | 6446952 |
| MW-9 Grab Water | 6446953 |
| MW-60D Grab Water | 6446954 |
| MW-58S Grab Water | 6446955 |
| MW-58D Grab Water | 6446956 |
| MW-56D Grab Water | 6446957 |
| EB-1 Grab Water | 6446958 |
| BR-19 Grab Water | 6446959 |
| BR-22D Grab Water | 6446960 |
| BR-22S Grab Water | 6446961 |
| MW-62 Grab Water | 6446962 |
| MW-36D Grab Water | 6446963 |

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO The Johnson Company, Inc. Attn: Glen Kirkpatrick

Lancaster Laboratories

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# Analysis Report

Questions? Contact your Client Services Representative
Wendy A Kozma at (717) 656-2300 Ext. 1522

Respectfully Submitted,

Robin C. Runkle
Senior Specialist

Lancaster Laboratories

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# Analysis Report



**Sample Description: Trip Blank Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6446952**
**LLI Group # 1272750**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2011

Submitted: 10/22/2011 09:30
Reported: 11/03/2011 15:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADGA1

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: Trip Blank Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6446952**
**LLI Group # 1272750**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2011

Submitted: 10/22/2011 09:30
Reported: 11/03/2011 15:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADGA1

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112991AA | 10/26/2011 07:30 | Stephanie A Selis | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112972AA | 10/24/2011 20:39 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112972AA | 10/24/2011 20:39 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112991AA | 10/26/2011 07:30 | Stephanie A Selis | 1 |

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# Analysis Report



**Sample Description: MW-9 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6446953**
**LLI Group # 1272750**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2011 17:04 by TH

Submitted: 10/22/2011 09:30
Reported: 11/03/2011 15:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADGA2

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-9 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6446953**
**LLI Group # 1272750**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2011 17:04 by TH

Submitted: 10/22/2011 09:30
Reported: 11/03/2011 15:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADGA2

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112991AA | 10/26/2011 07:52 | Stephanie A Selis | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112972AA | 10/24/2011 22:39 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112972AA | 10/24/2011 22:39 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112991AA | 10/26/2011 07:52 | Stephanie A Selis | 1 |

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# Analysis Report



**Sample Description: MW-60D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6446954**
**LLI Group # 1272750**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2011 09:12 by TH

Submitted: 10/22/2011 09:30
Reported: 11/03/2011 15:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADGA3

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 60 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 1,100 | 20 | 10 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 410 | 50 | 10 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 13 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-60D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6446954**
**LLI Group # 1272750**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2011 09:12 by TH

Submitted: 10/22/2011 09:30
Reported: 11/03/2011 15:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADGA3

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112991AA | 10/26/2011 08:14 | Stephanie A Selis | 1 |
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112991AA | 10/26/2011 11:32 | Stephanie A Selis | 10 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112972AA | 10/25/2011 01:39 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112972AA | 10/25/2011 01:39 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112991AA | 10/26/2011 08:14 | Stephanie A Selis | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 3 | L112991AA | 10/26/2011 11:32 | Stephanie A Selis | 10 |

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# Analysis Report



**Sample Description: MW-58S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6446955**
**LLI Group # 1272750**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2011 10:42 by TH

Submitted: 10/22/2011 09:30
Reported: 11/03/2011 15:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADGA4

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 10 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 48 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 71 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 6 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 2.9 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

Lancaster Laboratories

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# Analysis Report



**Sample Description: MW-58S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6446955**
**LLI Group # 1272750**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2011 10:42 by TH

Submitted: 10/22/2011 09:30
Reported: 11/03/2011 15:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADGA4

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112991AA | 10/26/2011 08:36 | Stephanie A Selis | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112972AA | 10/24/2011 22:59 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112972AA | 10/24/2011 22:59 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112991AA | 10/26/2011 08:36 | Stephanie A Selis | 1 |

Lancaster Laboratories

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# Analysis Report



**Sample Description: MW-58D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6446956**
**LLI Group # 1272750**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2011 11:57 by TH

Submitted: 10/22/2011 09:30
Reported: 11/03/2011 15:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADGA5

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 6 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 120 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 150 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 3.3 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-58D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6446956**
**LLI Group # 1272750**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2011 11:57 by TH

Submitted: 10/22/2011 09:30
Reported: 11/03/2011 15:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADGA5

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112991AA | 10/26/2011 08:58 | Stephanie A Selis | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112972AA | 10/24/2011 23:19 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112972AA | 10/24/2011 23:19 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112991AA | 10/26/2011 08:58 | Stephanie A Selis | 1 |

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# Analysis Report



**Sample Description: MW-56D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6446957**
**LLI Group # 1272750**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2011 13:37 by TH

Submitted: 10/22/2011 09:30
Reported: 11/03/2011 15:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADGA6

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-56D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6446957**
**LLI Group # 1272750**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2011 13:37 by TH

Submitted: 10/22/2011 09:30
Reported: 11/03/2011 15:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADGA6

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112991AA | 10/26/2011 09:20 | Stephanie A Selis | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112972AA | 10/24/2011 23:39 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112972AA | 10/24/2011 23:39 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112991AA | 10/26/2011 09:20 | Stephanie A Selis | 1 |

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# Analysis Report



**Sample Description: EB-1 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6446958**
**LLI Group # 1272750**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2011 15:10 by TH

Submitted: 10/22/2011 09:30
Reported: 11/03/2011 15:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADGA7

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: EB-1 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6446958**
**LLI Group # 1272750**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2011 15:10 by TH

Submitted: 10/22/2011 09:30
Reported: 11/03/2011 15:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADGA7

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112991AA | 10/26/2011 09:42 | Stephanie A Selis | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112972AA | 10/24/2011 20:59 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112972AA | 10/24/2011 20:59 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112991AA | 10/26/2011 09:42 | Stephanie A Selis | 1 |

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# Analysis Report



**Sample Description: BR-19 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6446959**
**LLI Group # 1272750**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2011 16:12 by TH

Submitted: 10/22/2011 09:30
Reported: 11/03/2011 15:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADGA8

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: BR-19 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6446959**
**LLI Group # 1272750**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2011 16:12 by TH

Submitted: 10/22/2011 09:30
Reported: 11/03/2011 15:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADGA8

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112991AA | 10/26/2011 10:04 | Stephanie A Selis | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112972AA | 10/24/2011 23:59 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112972AA | 10/24/2011 23:59 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112991AA | 10/26/2011 10:04 | Stephanie A Selis | 1 |

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# Analysis Report



**Sample Description: BR-22D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6446960**
**LLI Group # 1272750**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2011 10:42 by TH

Submitted: 10/22/2011 09:30
Reported: 11/03/2011 15:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADGA9

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | 16 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: BR-22D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6446960**
**LLI Group # 1272750**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2011 10:42 by TH

Submitted: 10/22/2011 09:30
Reported: 11/03/2011 15:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADGA9

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112991AA | 10/26/2011 10:26 | Stephanie A Selis | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112972AA | 10/25/2011 00:19 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112972AA | 10/25/2011 00:19 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112991AA | 10/26/2011 10:26 | Stephanie A Selis | 1 |

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# Analysis Report



**Sample Description: BR-22S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6446961**
**LLI Group # 1272750**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2011 12:22 by TH

Submitted: 10/22/2011 09:30
Reported: 11/03/2011 15:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADG10

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: BR-22S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6446961**
**LLI Group # 1272750**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2011 12:22 by TH

Submitted: 10/22/2011 09:30
Reported: 11/03/2011 15:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADG10

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112993AA | 10/26/2011 22:14 | Kelly E Keller | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112972AA | 10/25/2011 01:19 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112972AA | 10/25/2011 01:19 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112993AA | 10/26/2011 22:14 | Kelly E Keller | 1 |

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# Analysis Report



**Sample Description: MW-62 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6446962**
**LLI Group # 1272750**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2011 13:38 by TH

Submitted: 10/22/2011 09:30
Reported: 11/03/2011 15:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADG11

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-62 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6446962**
**LLI Group # 1272750**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2011 13:38 by TH

Submitted: 10/22/2011 09:30
Reported: 11/03/2011 15:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADG11

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112993AA | 10/26/2011 22:36 | Kelly E Keller | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112972AA | 10/25/2011 00:39 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112972AA | 10/25/2011 00:39 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112993AA | 10/26/2011 22:36 | Kelly E Keller | 1 |

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# Analysis Report



**Sample Description: MW-36D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6446963**
**LLI Group # 1272750**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2011 16:04 by TH

Submitted: 10/22/2011 09:30
Reported: 11/03/2011 15:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADG12

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 21 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 260 | 50 | 10 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 230 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 18 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 16 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-36D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6446963**
**LLI Group # 1272750**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2011 16:04 by TH

Submitted: 10/22/2011 09:30
Reported: 11/03/2011 15:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADG12

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112993AA | 10/26/2011 22:58 | Kelly E Keller | 1 |
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112993AA | 10/27/2011 08:41 | Chelsea B Eastep | 10 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112972AA | 10/25/2011 00:59 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112972AA | 10/25/2011 00:59 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112993AA | 10/26/2011 22:58 | Kelly E Keller | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 3 | L112993AA | 10/27/2011 08:41 | Chelsea B Eastep | 10 |

## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1272750
Reported: 11/03/11 at 03:43 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

## Laboratory Compliance Quality Control

| Analysis Name | Blank Result | Blank LOQ | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: E112972AA | Sample number(s): 6446952-6446963 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 112 | | 80-123 | | |
| Batch number: L112991AA | Sample number(s): 6446952-6446960 | | | | | | | |
| Acetone | < 20 | 20. | ug/l | 132 | 128 | 49-234 | 3 | 30 |
| Benzene | < 5 | 5. | ug/l | 94 | 92 | 79-120 | 2 | 30 |
| Bromodichloromethane | < 5 | 5. | ug/l | 84 | 82 | 80-120 | 3 | 30 |
| Bromoform | < 5 | 5. | ug/l | 74 | 76 | 61-120 | 2 | 30 |
| Bromomethane | < 5 | 5. | ug/l | 74 | 72 | 44-120 | 2 | 30 |
| 2-Butanone | < 10 | 10. | ug/l | 97 | 96 | 66-151 | 1 | 30 |
| Carbon Disulfide | < 5 | 5. | ug/l | 77 | 76 | 62-120 | 2 | 30 |
| Carbon Tetrachloride | < 5 | 5. | ug/l | 86 | 84 | 75-123 | 2 | 30 |
| Chlorobenzene | < 5 | 5. | ug/l | 94 | 93 | 80-120 | 1 | 30 |
| Chloroethane | < 5 | 5. | ug/l | 78 | 77 | 49-129 | 1 | 30 |
| Chloroform | < 5 | 5. | ug/l | 93 | 91 | 77-122 | 2 | 30 |
| Chloromethane | < 5 | 5. | ug/l | 78 | 76 | 60-129 | 3 | 30 |
| Dibromochloromethane | < 5 | 5. | ug/l | 82 | 82 | 80-120 | 1 | 30 |
| 1,1-Dichloroethane | < 5 | 5. | ug/l | 92 | 90 | 79-120 | 2 | 30 |
| 1,2-Dichloroethane | < 5 | 5. | ug/l | 93 | 91 | 70-130 | 2 | 30 |
| 1,1-Dichloroethene | < 2 | 2. | ug/l | 95 | 92 | 74-123 | 2 | 30 |
| cis-1,2-Dichloroethene | < 5 | 5. | ug/l | 93 | 93 | 80-120 | 1 | 30 |
| trans-1,2-Dichloroethene | < 5 | 5. | ug/l | 94 | 93 | 80-120 | 1 | 30 |
| 1,2-Dichloropropane | < 5 | 5. | ug/l | 90 | 87 | 78-120 | 3 | 30 |
| cis-1,3-Dichloropropene | < 5 | 5. | ug/l | 85 | 84 | 80-120 | 2 | 30 |
| trans-1,3-Dichloropropene | < 5 | 5. | ug/l | 81 | 81 | 79-120 | 0 | 30 |
| Ethylbenzene | < 5 | 5. | ug/l | 92 | 91 | 79-120 | 1 | 30 |
| 2-Hexanone | < 10 | 10. | ug/l | 90 | 90 | 65-136 | 0 | 30 |
| 4-Methyl-2-pentanone | < 10 | 10. | ug/l | 85 | 84 | 70-121 | 1 | 30 |
| Methylene Chloride | < 5 | 5. | ug/l | 97 | 94 | 80-120 | 3 | 30 |
| Styrene | < 5 | 5. | ug/l | 88 | 86 | 80-120 | 2 | 30 |
| 1,1,2,2-Tetrachloroethane | < 5 | 5. | ug/l | 88 | 89 | 71-120 | 1 | 30 |
| Tetrachloroethene | < 5 | 5. | ug/l | 95 | 95 | 80-121 | 1 | 30 |
| Toluene | < 5 | 5. | ug/l | 92 | 92 | 79-120 | 0 | 30 |
| 1,1,1-Trichloroethane | < 5 | 5. | ug/l | 91 | 89 | 75-127 | 2 | 30 |
| 1,1,2-Trichloroethane | < 5 | 5. | ug/l | 92 | 92 | 80-120 | 0 | 30 |
| Trichloroethene | < 5 | 5. | ug/l | 95 | 91 | 80-120 | 4 | 30 |
| Vinyl Chloride | < 2 | 2. | ug/l | 81 | 77 | 65-125 | 5 | 30 |
| Xylene (Total) | < 5 | 5. | ug/l | 91 | 90 | 80-120 | 1 | 30 |
| Batch number: L112993AA | Sample number(s): 6446961-6446963 | | | | | | | |
| Acetone | < 20 | 20. | ug/l | 146 | | 49-234 | | |
| Benzene | < 5 | 5. | ug/l | 98 | | 79-120 | | |
| Bromodichloromethane | < 5 | 5. | ug/l | 84 | | 80-120 | | |
| Bromoform | < 5 | 5. | ug/l | 69 | | 61-120 | | |
| Bromomethane | < 5 | 5. | ug/l | 81 | | 44-120 | | |
| 2-Butanone | < 10 | 10. | ug/l | 99 | | 66-151 | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1272750
Reported: 11/03/11 at 03:43 PM

| Analysis Name | Blank Result | Blank LOQ | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Carbon Disulfide | < 5 | 5. | ug/l | 85 | | 62-120 | | |
| Carbon Tetrachloride | < 5 | 5. | ug/l | 91 | | 75-123 | | |
| Chlorobenzene | < 5 | 5. | ug/l | 96 | | 80-120 | | |
| Chloroethane | < 5 | 5. | ug/l | 82 | | 49-129 | | |
| Chloroform | < 5 | 5. | ug/l | 96 | | 77-122 | | |
| Chloromethane | < 5 | 5. | ug/l | 83 | | 60-129 | | |
| Dibromochloromethane | < 5 | 5. | ug/l | 80 | | 80-120 | | |
| 1,1-Dichloroethane | < 5 | 5. | ug/l | 93 | | 79-120 | | |
| 1,2-Dichloroethane | < 5 | 5. | ug/l | 96 | | 70-130 | | |
| 1,1-Dichloroethene | < 2 | 2. | ug/l | 102 | | 74-123 | | |
| cis-1,2-Dichloroethene | < 5 | 5. | ug/l | 97 | | 80-120 | | |
| trans-1,2-Dichloroethene | < 5 | 5. | ug/l | 98 | | 80-120 | | |
| 1,2-Dichloropropane | < 5 | 5. | ug/l | 90 | | 78-120 | | |
| cis-1,3-Dichloropropene | < 5 | 5. | ug/l | 82 | | 80-120 | | |
| trans-1,3-Dichloropropene | < 5 | 5. | ug/l | 79 | | 79-120 | | |
| Ethylbenzene | < 5 | 5. | ug/l | 95 | | 79-120 | | |
| 2-Hexanone | < 10 | 10. | ug/l | 85 | | 65-136 | | |
| 4-Methyl-2-pentanone | < 10 | 10. | ug/l | 84 | | 70-121 | | |
| Methylene Chloride | < 5 | 5. | ug/l | 99 | | 80-120 | | |
| Styrene | < 5 | 5. | ug/l | 88 | | 80-120 | | |
| 1,1,2,2-Tetrachloroethane | < 5 | 5. | ug/l | 87 | | 71-120 | | |
| Tetrachloroethene | < 5 | 5. | ug/l | 104 | | 80-121 | | |
| Toluene | < 5 | 5. | ug/l | 94 | | 79-120 | | |
| 1,1,1-Trichloroethane | < 5 | 5. | ug/l | 95 | | 75-127 | | |
| 1,1,2-Trichloroethane | < 5 | 5. | ug/l | 93 | | 80-120 | | |
| Trichloroethene | < 5 | 5. | ug/l | 96 | | 80-120 | | |
| Vinyl Chloride | < 2 | 2. | ug/l | 85 | | 65-125 | | |
| Xylene (Total) | < 5 | 5. | ug/l | 93 | | 80-120 | | |

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| Batch number: E112972AA | Sample number(s): 6446952-6446963 UNSPK: P444104 | | | | | | | | |
| 1,4-Dioxane | 104 | 111 | 73-138 | 5 | 30 | | | | |
| Batch number: L112993AA | Sample number(s): 6446961-6446963 UNSPK: P448179 | | | | | | | | |
| Acetone | 91 | 95 | 52-139 | 5 | 30 | | | | |
| Benzene | 92 | 95 | 80-126 | 4 | 30 | | | | |
| Bromodichloromethane | 79 | 84 | 78-125 | 6 | 30 | | | | |
| Bromoform | 66 | 71 | 60-121 | 7 | 30 | | | | |
| Bromomethane | 86 | 83 | 38-149 | 3 | 30 | | | | |
| 2-Butanone | 79 | 82 | 57-138 | 4 | 30 | | | | |
| Carbon Disulfide | 68 | 72 | 67-135 | 6 | 30 | | | | |
| Carbon Tetrachloride | 91 | 94 | 81-138 | 3 | 30 | | | | |
| Chlorobenzene | 92 | 96 | 87-124 | 4 | 30 | | | | |
| Chloroethane | 88 | 85 | 51-145 | 3 | 30 | | | | |
| Chloroform | 93 | 95 | 81-134 | 2 | 30 | | | | |
| Chloromethane | 82 | 82 | 67-154 | 0 | 30 | | | | |
| Dibromochloromethane | 76 | 79 | 74-116 | 4 | 30 | | | | |
| 1,1-Dichloroethane | 91 | 93 | 84-129 | 3 | 30 | | | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1272750
Reported: 11/03/11 at 03:43 PM

### Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloroethane | 92 | 94 | 66-141 | 2 | 30 | | | | |
| 1,1-Dichloroethene | 94 | 98 | 85-142 | 5 | 30 | | | | |
| cis-1,2-Dichloroethene | 90 | 95 | 85-125 | 6 | 30 | | | | |
| trans-1,2-Dichloroethene | 92 | 97 | 87-126 | 5 | 30 | | | | |
| 1,2-Dichloropropane | 86 | 90 | 83-124 | 5 | 30 | | | | |
| cis-1,3-Dichloropropene | 76 | 82 | 75-125 | 7 | 30 | | | | |
| trans-1,3-Dichloropropene | 73* | 79 | 74-119 | 7 | 30 | | | | |
| Ethylbenzene | 91 | 94 | 71-134 | 3 | 30 | | | | |
| 2-Hexanone | 75 | 79 | 55-127 | 4 | 30 | | | | |
| 4-Methyl-2-pentanone | 77 | 81 | 63-123 | 4 | 30 | | | | |
| Methylene Chloride | 91 | 93 | 79-120 | 3 | 30 | | | | |
| Styrene | 83 | 77* | 78-125 | 8 | 30 | | | | |
| 1,1,2,2-Tetrachloroethane | 81 | 86 | 72-128 | 6 | 30 | | | | |
| Tetrachloroethene | 97 | 98 | 80-128 | 1 | 30 | | | | |
| Toluene | 91 | 94 | 80-125 | 3 | 30 | | | | |
| 1,1,1-Trichloroethane | 95 | 98 | 80-143 | 3 | 30 | | | | |
| 1,1,2-Trichloroethane | 88 | 91 | 77-124 | 4 | 30 | | | | |
| Trichloroethene | 93 | 96 | 88-133 | 2 | 30 | | | | |
| Vinyl Chloride | 88 | 86 | 66-133 | 2 | 30 | | | | |
| Xylene (Total) | 90 | 92 | 79-125 | 3 | 30 | | | | |

### Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E112972AA

| | Toluene-d8 |
|---|---|
| 6446952 | 100 |
| 6446953 | 99 |
| 6446954 | 99 |
| 6446955 | 99 |
| 6446956 | 100 |
| 6446957 | 99 |
| 6446958 | 100 |
| 6446959 | 99 |
| 6446960 | 100 |
| 6446961 | 100 |
| 6446962 | 99 |
| 6446963 | 99 |
| Blank | 100 |
| LCS | 100 |
| MS | 100 |
| MSD | 100 |
| Limits: | 80-120 |

Analysis Name: 8260 Std. Water Master

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1272750
Reported: 11/03/11 at 03:43 PM

## Surrogate Quality Control

Batch number: L112991AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| 6446952 | 98 | 101 | 98 | 95 |
| 6446953 | 100 | 104 | 97 | 94 |
| 6446954 | 103 | 103 | 98 | 94 |
| 6446955 | 99 | 102 | 97 | 94 |
| 6446956 | 99 | 100 | 97 | 94 |
| 6446957 | 99 | 102 | 97 | 94 |
| 6446958 | 100 | 103 | 97 | 93 |
| 6446959 | 99 | 102 | 97 | 94 |
| 6446960 | 97 | 101 | 97 | 94 |
| Blank | 98 | 101 | 98 | 95 |
| LCS | 99 | 102 | 98 | 96 |
| LCSD | 99 | 102 | 99 | 96 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

Analysis Name: 8260 Std. Water Master
Batch number: L112993AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| 6446961 | 98 | 102 | 98 | 95 |
| 6446962 | 99 | 101 | 97 | 94 |
| 6446963 | 101 | 103 | 98 | 94 |
| Blank | 98 | 101 | 98 | 94 |
| LCS | 99 | 103 | 98 | 97 |
| MS | 99 | 102 | 99 | 97 |
| MSD | 99 | 100 | 99 | 97 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 6556 Group# 1272750 Sample # 6446952-63

**COC #** 271616

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: The Johnson Co. Acct. #: 06556
Project Name/#: AD-GA/1-0145-4 PWSID #:
Project Manager: Glen Kirkpatrick P.O.#: 1-0145-4
Sampler: Tristan Hardy / Maja Waern Quote #:
Name of state where samples were collected: GA

(2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | Matrix: Soil | Water | Other (Potable / NPDES Check if Applicable) | (4) Total # of Containers | (5) Analyses Requested — Preservation Codes: 1 | 8260B | 1,4-Dioxane via Iso Dil SIM

| Sample Identification | Date Collected | Time Collected | Grab | Composite | Soil | Water | Other | Total # of Containers | 1 | 8260B | 1,4-Dioxane via Iso Dil SIM |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Trip Blank | 10/21/11 | — | X | | | X | | 4 | 2 | 2 | |
| MW-9 | 10/20/11 | 1704 | X | | | X | | 6 | 3 | 3 | |
| MW-60D | 10/21/11 | 0912 | X | | | X | | 6 | 3 | 3 | |
| MW-58S | | 1042 | X | | | X | | 6 | 3 | 3 | |
| MW-58D | | 1157 | X | | | X | | 6 | 3 | 3 | |
| MW-56D | | 1337 | X | | | X | | 6 | 3 | 3 | |
| EB-1 | | 1510 | X | | | X | | 6 | 3 | 3 | |
| ~~MW~~ BR-19 | | 1612 | X | | | X | | 6 | 3 | 3 | |
| BR-22D | | 1042 | X | | | X | | 6 | 3 | 3 | |
| BR-22S | | 1222 | X | | | X | | 6 | 3 | 3 | |

**For Lab Use Only**
FSC:
SCR#:

**Preservation Codes**
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

(6) Temperature of samples upon receipt (if requested)

**Remarks** Please use a PQL of 2 µg/L for Vinyl Chloride

(7) **Turnaround Time Requested** (TAT) (please circle): (Normal) Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 802-229-4600 Fax #:
E-mail address: GAK@JCOMail.com

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)
SDG Complete? Yes No
Site-specific QC (MS/MSD/Dup)? (Yes) No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No

| Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|
| | 10/21/11 | 1630 | | | |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | 10/22/11 | 930 |

(9)

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300 Fax: (717) 656-6766
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

Issued by Dept. 6042 Management
2102.05

# Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 6556 Group# 1727750 Sample # 6446952-63

**COC #** 271617

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: The Johnson Co. Acct. #: 06556
Project Name/#: AD-GA / 1-0145-4 PWSID #:
Project Manager: Glen Kirkpatrick P.O.#: 1-0145-4
Sampler: Tristan Hardy / Maja Waern Quote #:
Name of state where samples were collected: GA

| (2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | Matrix: Soil | Water | Other (Potable / NPDES) | (4) Total # of Containers | (5) Analyses Requested: Preservation Codes — | H | 8260B | 1,4-Dioxane via 150 DL SIM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-62 | 10/21/11 | 1338 | X | | | X | | 6 | 3 | 3 | | |
| MW-36D | 10/21/11 | 1604 | X | | | X | | 6 | 3 | 3 | | |

For Lab Use Only
FSC:
SCR#:

Preservation Codes
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

(6) Temperature of samples upon receipt (if requested)

Remarks: Please use a PQL of 2 µg/L for Vinyl Chloride

(7) **Turnaround Time Requested** (TAT) (please circle): (Normal) Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 802-229-4600 Fax #:
E-mail address: GAK@jcomail.com

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

Site-specific QC (MS/MSD/Dup)? (Yes) No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No

| Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|
| | 10/21/11 | 1630 | | | |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | 10/22/11 | 930 |

(9)

Lancaster Laboratories

# Environmental Sample Administration
# Receipt Documentation Log

**Client/Project:** The Johnson Company

**Date of Receipt:** 10/22/11

**Time of Receipt:** 930

**Source Code:** 50-1

**Shipping Container Sealed:** (YES) NO

**Custody Seal Present * :** (YES) NO

* Custody seal was intact unless otherwise noted in the discrepancy section

**Package:** (Chilled) Not Chilled

| Temperature of Shipping Containers | | | | | | | |
|---|---|---|---|---|---|---|---|
| Cooler # | Thermometer ID | Temperature (°C) | Temp Bottle (TB) or Surface Temp (ST) | Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP) | Ice Present? Y/N | Loose (L) Bagged Ice (B) or NA | Comments |
| 1 | 0429951 | 1.9 | TB | WI | Y | B | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |

**Number of Trip Blanks received NOT listed on chain of custody:** 0

**Paperwork Discrepancy/Unpacking Problems:**

**Unpacker Signature/Emp#:** 2308 **Date/Time:** 10/22/11 1135

Issued by Dept. 6042 Management

2174.06

# Explanation of Symbols and Abbreviations

*The following defines common symbols and abbreviations used in reporting technical data:*

| | | | |
|---|---|---|---|
| **RL** | Reporting Limit | **BMQL** | Below Minimum Quantitation Level |
| **N.D.** | none detected | **MPN** | Most Probable Number |
| **TNTC** | Too Numerous To Count | **CP Units** | cobalt-chloroplatinate units |
| **IU** | International Units | **NTU** | nephelometric turbidity units |
| **umhos/cm** | micromhos/cm | **ng** | nanogram(s) |
| **C** | degrees Celsius | **F** | degrees Fahrenheit |
| **meq** | milliequivalents | **lb.** | pound(s) |
| **g** | gram(s) | **kg** | kilogram(s) |
| **ug** | microgram(s) | **mg** | milligram(s) |
| **ml** | milliliter(s) | **l** | liter(s) |
| **m3** | cubic meter(s) | **ul** | microliter(s) |

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**J** estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

*U.S. EPA CLP Data Qualifiers:*

**Organic Qualifiers**

| | |
|---|---|
| **A** | TIC is a possible aldol-condensation product |
| **B** | Analyte was also detected in the blank |
| **C** | Pesticide result confirmed by GC/MS |
| **D** | Compound quantitated on a diluted sample |
| **E** | Concentration exceeds the calibration range of the instrument |
| **N** | Presumptive evidence of a compound (TICs only) |
| **P** | Concentration difference between primary and confirmation columns >25% |
| **U** | Compound was not detected |
| **X,Y,Z** | Defined in case narrative |

**Inorganic Qualifiers**

| | |
|---|---|
| **B** | Value is <CRDL, but ≥IDL |
| **E** | Estimated due to interference |
| **M** | Duplicate injection precision not met |
| **N** | Spike sample not within control limits |
| **S** | Method of standard additions (MSA) used for calculation |
| **U** | Compound was not detected |
| **W** | Post digestion spike out of control limits |
| ***** | Duplicate analysis not within control limits |
| **+** | Correlation coefficient for MSA <0.995 |

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

Lancaster Laboratories

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# Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

November 04, 2011

Project: Avery Dennison / Flowery Branch, GA

Submittal Date: 10/25/2011
Group Number: 1272972
PO Number: 1-0145-4
State of Sample Origin: GA

| Client Sample Description | Lancaster Labs (LLI) # |
|---|---|
| Trip Blank Water | 6448164 |
| BR-7 Grab Water | 6448165 |
| MW-20S Grab Water | 6448166 |
| MW-25DRX Grab Water | 6448167 |
| MW-18S Grab Water | 6448168 |
| MW-20D Grab Water | 6448169 |
| BR-8S Grab Water | 6448170 |
| MW-28 Grab Water | 6448171 |
| BR-8D Grab Water | 6448172 |
| MW-17 Grab Water | 6448173 |
| BR-16 Grab Water | 6448174 |
| MW-49D Grab Water | 6448175 |
| MW-14 Grab Water | 6448176 |
| BR-6 Grab Water | 6448177 |
| Trip Blank Water | 6448178 |
| MW-45S Grab Water | 6448179 |
| MW-45S Matrix Spike Grab Water | 6448180 |
| MW-45S Matrix Spike Dup Grab Water | 6448181 |
| MW-45D Grab Water | 6448182 |
| BR-15 Grab Water | 6448183 |
| MW-7 Grab Water | 6448184 |
| MW-6 Grab Water | 6448185 |
| BR-4S Grab Water | 6448186 |
| MW-33 Grab Water | 6448187 |
| MW-35 Grab Water | 6448188 |
| MW-50D Grab Water | 6448189 |
| MW-18D Grab Water | 6448190 |

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# Analysis Report

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO The Johnson Company, Inc. Attn: Glen Kirkpatrick

Questions? Contact your Client Services Representative
Wendy A Kozma at (717) 656-2300 Ext. 1522

Respectfully Submitted,



Lawrence M. Taylor
Senior Specialist

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

# Analysis Report



**Sample Description: Trip Blank Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448164**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2011

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLTB2

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

Lancaster Laboratories

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# Analysis Report



**Sample Description: Trip Blank Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448164**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2011

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLTB2

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112993AA | 10/26/2011 23:20 | Kelly E Keller | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112991AA | 10/26/2011 10:29 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112991AA | 10/26/2011 10:29 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112993AA | 10/26/2011 23:20 | Kelly E Keller | 1 |

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# Analysis Report



**Sample Description: BR-7 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448165**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2011 15:17 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLBR7

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: BR-7 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448165**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2011 15:17 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLBR7

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112993AA | 10/26/2011 23:42 | Kelly E Keller | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112991AA | 10/26/2011 11:10 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112991AA | 10/26/2011 11:10 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112993AA | 10/26/2011 23:42 | Kelly E Keller | 1 |

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# Analysis Report



**Sample Description: MW-20S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448166**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2011 17:02 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FL20S

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-20S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448166**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2011 17:02 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FL20S

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112993AA | 10/27/2011 00:04 | Kelly E Keller | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112991AA | 10/26/2011 11:30 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112991AA | 10/26/2011 11:30 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112993AA | 10/27/2011 00:04 | Kelly E Keller | 1 |

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# Analysis Report



**Sample Description: MW-25DRX Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448167**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2011 15:47 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

F25DR

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 20 | 20 | 10 |

Reporting limits were raised due to sample foaming.

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

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# Analysis Report



**Sample Description: MW-25DRX Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448167**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2011 15:47 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

F25DR

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112993AA | 10/27/2011 00:26 | Kelly E Keller | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112991AA | 10/26/2011 17:09 | Jason M Long | 10 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112991AA | 10/26/2011 17:09 | Jason M Long | 10 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112993AA | 10/27/2011 00:26 | Kelly E Keller | 1 |

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# Analysis Report



**Sample Description: MW-18S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448168**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2011 17:10 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FL18S

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 4 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 4.5 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-18S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448168**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2011 17:10 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FL18S

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112993AA | 10/27/2011 00:49 | Kelly E Keller | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112991AA | 10/26/2011 12:10 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112991AA | 10/26/2011 12:10 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112993AA | 10/27/2011 00:49 | Kelly E Keller | 1 |

Lancaster Laboratories

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# Analysis Report



**Sample Description: MW-20D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448169**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/23/2011 10:52 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FM20D

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-20D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448169**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/23/2011 10:52 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FM20D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112993AA | 10/27/2011 01:11 | Kelly E Keller | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112991AA | 10/26/2011 12:30 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112991AA | 10/26/2011 12:30 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112993AA | 10/27/2011 01:11 | Kelly E Keller | 1 |

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# Analysis Report



**Sample Description: BR-8S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448170**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/23/2011 12:52 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBR8S

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: BR-8S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448170**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/23/2011 12:52 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBR8S

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112993AA | 10/27/2011 01:33 | Kelly E Keller | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112991AA | 10/26/2011 12:50 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112991AA | 10/26/2011 12:50 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112993AA | 10/27/2011 01:33 | Kelly E Keller | 1 |

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# Analysis Report



**Sample Description: MW-28 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448171**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/23/2011 13:52 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLM28

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-28 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448171**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/23/2011 13:52 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLM28

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112993AA | 10/27/2011 01:55 | Kelly E Keller | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112991AA | 10/26/2011 13:10 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112991AA | 10/26/2011 13:10 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112993AA | 10/27/2011 01:55 | Kelly E Keller | 1 |

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# Analysis Report



**Sample Description: BR-8D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448172**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/23/2011 15:45 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLB8D

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: BR-8D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448172**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/23/2011 15:45 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLB8D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112993AA | 10/27/2011 02:17 | Kelly E Keller | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112991AA | 10/26/2011 13:30 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112991AA | 10/26/2011 13:30 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112993AA | 10/27/2011 02:17 | Kelly E Keller | 1 |

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# Analysis Report



**Sample Description: MW-17 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448173**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/23/2011 14:37 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLM17

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 30 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 17 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 14 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-17 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448173**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/23/2011 14:37 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLM17

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112993AA | 10/27/2011 02:39 | Kelly E Keller | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112991AA | 10/26/2011 15:30 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112991AA | 10/26/2011 15:30 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112993AA | 10/27/2011 02:39 | Kelly E Keller | 1 |

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# Analysis Report



**Sample Description: BR-16 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448174**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/23/2011 14:52 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBR16

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 9 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 11 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: BR-16 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448174**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/23/2011 14:52 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBR16

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112993AA | 10/27/2011 03:01 | Kelly E Keller | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112991AA | 10/26/2011 15:50 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112991AA | 10/26/2011 15:50 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112993AA | 10/27/2011 03:01 | Kelly E Keller | 1 |

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# Analysis Report



**Sample Description: MW-49D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448175**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/23/2011 17:12 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FL49D

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-49D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448175**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/23/2011 17:12 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FL49D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112993AA | 10/27/2011 03:23 | Kelly E Keller | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112991AA | 10/26/2011 16:10 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112991AA | 10/26/2011 16:10 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112993AA | 10/27/2011 03:23 | Kelly E Keller | 1 |

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# Analysis Report



**Sample Description: MW-14 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448176**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/23/2011 16:00 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLM14

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-14 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448176**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/23/2011 16:00 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLM14

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112993AA | 10/27/2011 03:45 | Kelly E Keller | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112991AA | 10/26/2011 16:29 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112991AA | 10/26/2011 16:29 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112993AA | 10/27/2011 03:45 | Kelly E Keller | 1 |

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# Analysis Report



**Sample Description: BR-6 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448177**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/23/2011 17:07 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLBR6

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 39 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 260 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 3.7 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: BR-6 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448177**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/23/2011 17:07 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLBR6

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112993AA | 10/27/2011 04:07 | Kelly E Keller | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112991AA | 10/26/2011 16:49 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112991AA | 10/26/2011 16:49 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112993AA | 10/27/2011 04:07 | Kelly E Keller | 1 |

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# Analysis Report



**Sample Description: Trip Blank Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448178**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLTB1

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: Trip Blank Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448178**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLTB1

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112993AA | 10/27/2011 04:29 | Kelly E Keller | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112991AA | 10/26/2011 15:10 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112991AA | 10/26/2011 15:10 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112993AA | 10/27/2011 04:29 | Kelly E Keller | 1 |

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# Analysis Report



**Sample Description: MW-45S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448179**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 09:07 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FL45S

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 8.3 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-45S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448179**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 09:07 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FL45S

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112993AA | 10/27/2011 04:52 | Kelly E Keller | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112991AA | 10/26/2011 10:49 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112991AA | 10/26/2011 10:49 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112993AA | 10/27/2011 04:52 | Kelly E Keller | 1 |

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# Analysis Report



**Sample Description: MW-45S Matrix Spike Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448180**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 09:07 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

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Suite 600
100 State Street
Montpelier VT 05602

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| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | 140 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | 18 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | 16 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | 13 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | 17 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | 120 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | 14 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | 18 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | 18 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 18 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | 19 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | 16 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | 15 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 18 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | 18 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 19 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | 18 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | 18 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | 17 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | 15 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | 15 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | 18 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | 75 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | 77 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | 18 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | 17 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 16 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | 19 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | 18 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 19 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | 18 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | 19 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 18 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | 54 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 13 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-45S Matrix Spike Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448180**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 09:07 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FL45S

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112993AA | 10/27/2011 05:14 | Kelly E Keller | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112991AA | 10/26/2011 13:50 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112991AA | 10/26/2011 13:50 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112993AA | 10/27/2011 05:14 | Kelly E Keller | 1 |

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# Analysis Report



**Sample Description: MW-45S Matrix Spike Dup Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448181**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 09:07 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

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Suite 600
100 State Street
Montpelier VT 05602

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| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | 140 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | 19 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | 17 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | 14 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | 17 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | 120 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | 14 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | 19 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | 19 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 17 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | 19 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | 16 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | 16 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 19 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | 19 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 20 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | 19 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | 19 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | 18 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | 16 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | 16 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | 19 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | 79 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | 81 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | 19 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | 15 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 17 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | 20 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | 19 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 20 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | 18 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | 19 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 17 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | 55 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 14 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-45S Matrix Spike Dup Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448181**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 09:07 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FL45S

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112993AA | 10/27/2011 05:36 | Kelly E Keller | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112991AA | 10/26/2011 14:10 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112991AA | 10/26/2011 14:10 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112993AA | 10/27/2011 05:36 | Kelly E Keller | 1 |

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# Analysis Report



**Sample Description: MW-45D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448182**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 10:27 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FL45D

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-45D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448182**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 10:27 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FL45D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L112993AA | 10/27/2011 05:58 | Kelly E Keller | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112991AA | 10/26/2011 17:29 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112991AA | 10/26/2011 17:29 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L112993AA | 10/27/2011 05:58 | Kelly E Keller | 1 |

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# Analysis Report



**Sample Description: BR-15 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448183**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 12:12 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBR15

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: BR-15 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448183**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 12:12 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBR15

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113002AA | 10/27/2011 14:16 | Chelsea B Eastep | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112991AA | 10/26/2011 17:48 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112991AA | 10/26/2011 17:48 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113002AA | 10/27/2011 14:16 | Chelsea B Eastep | 1 |

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# Analysis Report



**Sample Description: MW-7 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448184**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 13:07 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLMW7

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 4.1 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-7 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448184**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 13:07 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLMW7

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113002AA | 10/27/2011 14:38 | Chelsea B Eastep | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112991AA | 10/26/2011 18:08 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112991AA | 10/26/2011 18:08 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113002AA | 10/27/2011 14:38 | Chelsea B Eastep | 1 |

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# Analysis Report



**Sample Description: MW-6 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448185**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 14:17 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLMW6

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 13 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-6 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448185**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 14:17 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLMW6

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113002AA | 10/27/2011 15:00 | Chelsea B Eastep | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112991AA | 10/26/2011 18:28 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112991AA | 10/26/2011 18:28 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113002AA | 10/27/2011 15:00 | Chelsea B Eastep | 1 |

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# Analysis Report



**Sample Description: BR-4S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448186**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 15:52 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBR4S

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: BR-4S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448186**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 15:52 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBR4S

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113002AA | 10/27/2011 15:22 | Chelsea B Eastep | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112992AA | 10/26/2011 21:20 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112992AA | 10/26/2011 21:20 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113002AA | 10/27/2011 15:22 | Chelsea B Eastep | 1 |

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# Analysis Report



**Sample Description: MW-33 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448187**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 09:08 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLM33

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-33 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448187**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 09:08 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLM33

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113002AA | 10/27/2011 15:44 | Chelsea B Eastep | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112992AA | 10/26/2011 21:40 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112992AA | 10/26/2011 21:40 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113002AA | 10/27/2011 15:44 | Chelsea B Eastep | 1 |

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# Analysis Report



**Sample Description: MW-35 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448188**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 10:30 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLM35

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-35 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448188**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 10:30 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLM35

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113002AA | 10/27/2011 16:06 | Chelsea B Eastep | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112992AA | 10/26/2011 22:00 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112992AA | 10/26/2011 22:00 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113002AA | 10/27/2011 16:06 | Chelsea B Eastep | 1 |

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# Analysis Report



**Sample Description: MW-50D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448189**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 13:42 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FL50D

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 11 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 75 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 24 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-50D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448189**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 13:42 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FL50D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113002AA | 10/27/2011 16:29 | Chelsea B Eastep | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112992AA | 10/26/2011 22:20 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112992AA | 10/26/2011 22:20 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113002AA | 10/27/2011 16:29 | Chelsea B Eastep | 1 |

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# Analysis Report



**Sample Description: MW-18D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448190**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 16:00 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FL18D

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 19 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 340 | 20 | 10 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 130 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 4.7 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-18D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6448190**
**LLI Group # 1272972**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 16:00 by TH

Submitted: 10/25/2011 09:30
Reported: 11/04/2011 16:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FL18D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113002AA | 10/27/2011 16:51 | Chelsea B Eastep | 1 |
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113002AA | 10/27/2011 21:38 | Chelsea B Eastep | 10 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112992AA | 10/26/2011 22:40 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112992AA | 10/26/2011 22:40 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113002AA | 10/27/2011 16:51 | Chelsea B Eastep | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 3 | L113002AA | 10/27/2011 21:38 | Chelsea B Eastep | 10 |

## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1272972
Reported: 11/04/11 at 04:16 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

## Laboratory Compliance Quality Control

| Analysis Name | Blank Result | Blank LOQ | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: E112991AA | Sample number(s): 6448164-6448185 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 102 | | 80-123 | | |
| Batch number: E112992AA | Sample number(s): 6448186-6448190 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 102 | 108 | 80-123 | 6 | 30 |
| Batch number: L112993AA | Sample number(s): 6448164-6448182 | | | | | | | |
| Acetone | < 20 | 20. | ug/l | 146 | | 49-234 | | |
| Benzene | < 5 | 5. | ug/l | 98 | | 79-120 | | |
| Bromodichloromethane | < 5 | 5. | ug/l | 84 | | 80-120 | | |
| Bromoform | < 5 | 5. | ug/l | 69 | | 61-120 | | |
| Bromomethane | < 5 | 5. | ug/l | 81 | | 44-120 | | |
| 2-Butanone | < 10 | 10. | ug/l | 99 | | 66-151 | | |
| Carbon Disulfide | < 5 | 5. | ug/l | 85 | | 62-120 | | |
| Carbon Tetrachloride | < 5 | 5. | ug/l | 91 | | 75-123 | | |
| Chlorobenzene | < 5 | 5. | ug/l | 96 | | 80-120 | | |
| Chloroethane | < 5 | 5. | ug/l | 82 | | 49-129 | | |
| Chloroform | < 5 | 5. | ug/l | 96 | | 77-122 | | |
| Chloromethane | < 5 | 5. | ug/l | 83 | | 60-129 | | |
| Dibromochloromethane | < 5 | 5. | ug/l | 80 | | 80-120 | | |
| 1,1-Dichloroethane | < 5 | 5. | ug/l | 93 | | 79-120 | | |
| 1,2-Dichloroethane | < 5 | 5. | ug/l | 96 | | 70-130 | | |
| 1,1-Dichloroethene | < 2 | 2. | ug/l | 102 | | 74-123 | | |
| cis-1,2-Dichloroethene | < 5 | 5. | ug/l | 97 | | 80-120 | | |
| trans-1,2-Dichloroethene | < 5 | 5. | ug/l | 98 | | 80-120 | | |
| 1,2-Dichloropropane | < 5 | 5. | ug/l | 90 | | 78-120 | | |
| cis-1,3-Dichloropropene | < 5 | 5. | ug/l | 82 | | 80-120 | | |
| trans-1,3-Dichloropropene | < 5 | 5. | ug/l | 79 | | 79-120 | | |
| Ethylbenzene | < 5 | 5. | ug/l | 95 | | 79-120 | | |
| 2-Hexanone | < 10 | 10. | ug/l | 85 | | 65-136 | | |
| 4-Methyl-2-pentanone | < 10 | 10. | ug/l | 84 | | 70-121 | | |
| Methylene Chloride | < 5 | 5. | ug/l | 99 | | 80-120 | | |
| Styrene | < 5 | 5. | ug/l | 88 | | 80-120 | | |
| 1,1,2,2-Tetrachloroethane | < 5 | 5. | ug/l | 87 | | 71-120 | | |
| Tetrachloroethene | < 5 | 5. | ug/l | 104 | | 80-121 | | |
| Toluene | < 5 | 5. | ug/l | 94 | | 79-120 | | |
| 1,1,1-Trichloroethane | < 5 | 5. | ug/l | 95 | | 75-127 | | |
| 1,1,2-Trichloroethane | < 5 | 5. | ug/l | 93 | | 80-120 | | |
| Trichloroethene | < 5 | 5. | ug/l | 96 | | 80-120 | | |
| Vinyl Chloride | < 2 | 2. | ug/l | 85 | | 65-125 | | |
| Xylene (Total) | < 5 | 5. | ug/l | 93 | | 80-120 | | |
| Batch number: L113002AA | Sample number(s): 6448183-6448190 | | | | | | | |
| Acetone | < 20 | 20. | ug/l | 148 | 137 | 49-234 | 7 | 30 |
| Benzene | < 5 | 5. | ug/l | 99 | 96 | 79-120 | 3 | 30 |
| Bromodichloromethane | < 5 | 5. | ug/l | 88 | 85 | 80-120 | 4 | 30 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1272972
Reported: 11/04/11 at 04:16 PM

| Analysis Name | Blank Result | Blank LOQ | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Bromoform | < 5 | 5. | ug/l | 76 | 76 | 61-120 | 0 | 30 |
| Bromomethane | < 5 | 5. | ug/l | 85 | 84 | 44-120 | 2 | 30 |
| 2-Butanone | < 10 | 10. | ug/l | 101 | 98 | 66-151 | 4 | 30 |
| Carbon Disulfide | < 5 | 5. | ug/l | 90 | 87 | 62-120 | 4 | 30 |
| Carbon Tetrachloride | < 5 | 5. | ug/l | 96 | 91 | 75-123 | 5 | 30 |
| Chlorobenzene | < 5 | 5. | ug/l | 97 | 94 | 80-120 | 2 | 30 |
| Chloroethane | < 5 | 5. | ug/l | 85 | 83 | 49-129 | 3 | 30 |
| Chloroform | < 5 | 5. | ug/l | 99 | 95 | 77-122 | 4 | 30 |
| Chloromethane | < 5 | 5. | ug/l | 84 | 80 | 60-129 | 4 | 30 |
| Dibromochloromethane | < 5 | 5. | ug/l | 84 | 82 | 80-120 | 3 | 30 |
| 1,1-Dichloroethane | < 5 | 5. | ug/l | 98 | 95 | 79-120 | 3 | 30 |
| 1,2-Dichloroethane | < 5 | 5. | ug/l | 101 | 97 | 70-130 | 4 | 30 |
| 1,1-Dichloroethene | < 2 | 2. | ug/l | 108 | 102 | 74-123 | 6 | 30 |
| cis-1,2-Dichloroethene | < 5 | 5. | ug/l | 99 | 97 | 80-120 | 2 | 30 |
| trans-1,2-Dichloroethene | < 5 | 5. | ug/l | 100 | 97 | 80-120 | 3 | 30 |
| 1,2-Dichloropropane | < 5 | 5. | ug/l | 94 | 91 | 78-120 | 3 | 30 |
| cis-1,3-Dichloropropene | < 5 | 5. | ug/l | 88 | 86 | 80-120 | 2 | 30 |
| trans-1,3-Dichloropropene | < 5 | 5. | ug/l | 84 | 83 | 79-120 | 2 | 30 |
| Ethylbenzene | < 5 | 5. | ug/l | 96 | 92 | 79-120 | 4 | 30 |
| 2-Hexanone | < 10 | 10. | ug/l | 91 | 88 | 65-136 | 3 | 30 |
| 4-Methyl-2-pentanone | < 10 | 10. | ug/l | 87 | 86 | 70-121 | 1 | 30 |
| Methylene Chloride | < 5 | 5. | ug/l | 102 | 99 | 80-120 | 3 | 30 |
| Styrene | < 5 | 5. | ug/l | 89 | 86 | 80-120 | 4 | 30 |
| 1,1,2,2-Tetrachloroethane | < 5 | 5. | ug/l | 90 | 89 | 71-120 | 1 | 30 |
| Tetrachloroethene | < 5 | 5. | ug/l | 100 | 95 | 80-121 | 6 | 30 |
| Toluene | < 5 | 5. | ug/l | 96 | 93 | 79-120 | 3 | 30 |
| 1,1,1-Trichloroethane | < 5 | 5. | ug/l | 98 | 95 | 75-127 | 3 | 30 |
| 1,1,2-Trichloroethane | < 5 | 5. | ug/l | 95 | 93 | 80-120 | 2 | 30 |
| Trichloroethene | < 5 | 5. | ug/l | 98 | 95 | 80-120 | 3 | 30 |
| Vinyl Chloride | < 2 | 2. | ug/l | 86 | 83 | 65-125 | 4 | 30 |
| Xylene (Total) | < 5 | 5. | ug/l | 94 | 91 | 80-120 | 3 | 30 |

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| Batch number: E112991AA | Sample number(s): 6448164-6448185 UNSPK: 6448179 | | | | | | | | |
| 1,4-Dioxane | 100 | 109 | 73-138 | 3 | 30 | | | | |
| Batch number: L112993AA | Sample number(s): 6448164-6448182 UNSPK: 6448179 | | | | | | | | |
| Acetone | 91 | 95 | 52-139 | 5 | 30 | | | | |
| Benzene | 92 | 95 | 80-126 | 4 | 30 | | | | |
| Bromodichloromethane | 79 | 84 | 78-125 | 6 | 30 | | | | |
| Bromoform | 66 | 71 | 60-121 | 7 | 30 | | | | |
| Bromomethane | 86 | 83 | 38-149 | 3 | 30 | | | | |
| 2-Butanone | 79 | 82 | 57-138 | 4 | 30 | | | | |
| Carbon Disulfide | 68 | 72 | 67-135 | 6 | 30 | | | | |
| Carbon Tetrachloride | 91 | 94 | 81-138 | 3 | 30 | | | | |
| Chlorobenzene | 92 | 96 | 87-124 | 4 | 30 | | | | |
| Chloroethane | 88 | 85 | 51-145 | 3 | 30 | | | | |
| Chloroform | 93 | 95 | 81-134 | 2 | 30 | | | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1272972
Reported: 11/04/11 at 04:16 PM

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| Chloromethane | 82 | 82 | 67-154 | 0 | 30 | | | | |
| Dibromochloromethane | 76 | 79 | 74-116 | 4 | 30 | | | | |
| 1,1-Dichloroethane | 91 | 93 | 84-129 | 3 | 30 | | | | |
| 1,2-Dichloroethane | 92 | 94 | 66-141 | 2 | 30 | | | | |
| 1,1-Dichloroethene | 94 | 98 | 85-142 | 5 | 30 | | | | |
| cis-1,2-Dichloroethene | 90 | 95 | 85-125 | 6 | 30 | | | | |
| trans-1,2-Dichloroethene | 92 | 97 | 87-126 | 5 | 30 | | | | |
| 1,2-Dichloropropane | 86 | 90 | 83-124 | 5 | 30 | | | | |
| cis-1,3-Dichloropropene | 76 | 82 | 75-125 | 7 | 30 | | | | |
| trans-1,3-Dichloropropene | 73* | 79 | 74-119 | 7 | 30 | | | | |
| Ethylbenzene | 91 | 94 | 71-134 | 3 | 30 | | | | |
| 2-Hexanone | 75 | 79 | 55-127 | 4 | 30 | | | | |
| 4-Methyl-2-pentanone | 77 | 81 | 63-123 | 4 | 30 | | | | |
| Methylene Chloride | 91 | 93 | 79-120 | 3 | 30 | | | | |
| Styrene | 83 | 77* | 78-125 | 8 | 30 | | | | |
| 1,1,2,2-Tetrachloroethane | 81 | 86 | 72-128 | 6 | 30 | | | | |
| Tetrachloroethene | 97 | 98 | 80-128 | 1 | 30 | | | | |
| Toluene | 91 | 94 | 80-125 | 3 | 30 | | | | |
| 1,1,1-Trichloroethane | 95 | 98 | 80-143 | 3 | 30 | | | | |
| 1,1,2-Trichloroethane | 88 | 91 | 77-124 | 4 | 30 | | | | |
| Trichloroethene | 93 | 96 | 88-133 | 2 | 30 | | | | |
| Vinyl Chloride | 88 | 86 | 66-133 | 2 | 30 | | | | |
| Xylene (Total) | 90 | 92 | 79-125 | 3 | 30 | | | | |

## Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed
unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E112991AA

| | Toluene-d8 |
|---|---|
| 6448164 | 100 |
| 6448165 | 100 |
| 6448166 | 99 |
| 6448167 | 99 |
| 6448168 | 99 |
| 6448169 | 99 |
| 6448170 | 99 |
| 6448171 | 99 |
| 6448172 | 99 |
| 6448173 | 99 |
| 6448174 | 99 |
| 6448175 | 99 |
| 6448176 | 99 |
| 6448177 | 99 |
| 6448178 | 99 |
| 6448179 | 99 |
| 6448180 | 99 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1272972
Reported: 11/04/11 at 04:16 PM

## Surrogate Quality Control

| | |
|---|---|
| 6448181 | 99 |
| 6448182 | 99 |
| 6448183 | 99 |
| 6448184 | 99 |
| 6448185 | 99 |
| Blank | 100 |
| LCS | 100 |
| MS | 99 |
| MSD | 99 |
| Limits: | 80-120 |

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E112992AA

| | Toluene-d8 |
|---|---|
| 6448186 | 99 |
| 6448187 | 99 |
| 6448188 | 99 |
| 6448189 | 99 |
| 6448190 | 99 |
| Blank | 100 |
| LCS | 99 |
| LCSD | 99 |
| Limits: | 80-120 |

Analysis Name: 8260 Std. Water Master
Batch number: L112993AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| 6448164 | 98 | 101 | 97 | 94 |
| 6448165 | 99 | 102 | 97 | 94 |
| 6448166 | 100 | 100 | 97 | 93 |
| 6448167 | 99 | 102 | 97 | 93 |
| 6448168 | 99 | 102 | 98 | 94 |
| 6448169 | 100 | 103 | 98 | 94 |
| 6448170 | 99 | 102 | 97 | 94 |
| 6448171 | 100 | 103 | 98 | 93 |
| 6448172 | 99 | 103 | 97 | 94 |
| 6448173 | 100 | 103 | 98 | 94 |
| 6448174 | 100 | 103 | 98 | 93 |
| 6448175 | 99 | 102 | 98 | 94 |
| 6448176 | 100 | 104 | 97 | 94 |
| 6448177 | 100 | 102 | 97 | 94 |
| 6448178 | 99 | 102 | 98 | 95 |
| 6448179 | 100 | 101 | 98 | 93 |
| 6448180 | 99 | 102 | 99 | 97 |
| 6448181 | 99 | 100 | 99 | 97 |
| 6448182 | 98 | 101 | 98 | 94 |
| Blank | 98 | 101 | 98 | 94 |
| LCS | 99 | 103 | 98 | 97 |
| MS | 99 | 102 | 99 | 97 |
| MSD | 99 | 100 | 99 | 97 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

Analysis Name: 8260 Std. Water Master

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1272972
Reported: 11/04/11 at 04:16 PM

## Surrogate Quality Control

Batch number: L113002AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| 6448183 | 98 | 101 | 99 | 95 |
| 6448184 | 98 | 102 | 98 | 95 |
| 6448185 | 98 | 101 | 98 | 94 |
| 6448186 | 98 | 101 | 98 | 95 |
| 6448187 | 99 | 100 | 98 | 94 |
| 6448188 | 99 | 101 | 97 | 93 |
| 6448189 | 100 | 104 | 98 | 94 |
| 6448190 | 100 | 103 | 99 | 95 |
| Blank | 98 | 101 | 98 | 94 |
| LCS | 99 | 102 | 99 | 98 |
| LCSD | 98 | 101 | 99 | 97 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 65556 Group# 1272872 Sample # 644816Y-90

**COC #** 271618

Please print. Instructions on reverse side correspond with circled numbers.

(1) Client: The Johnson Co. Acct. #: 065556

Project Name/#: AD-GA / 1-0145-4 PWSID #:

Project Manager: Glen Kirkpatrick P.O.#: 1-0145-4

Sampler: Tristan Hardy / Maja Waern Quote #:

Name of state where samples were collected: GA

For Lab Use Only
FSC:
SCR#:

**Preservation Codes**
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

(6) Temperature of samples upon receipt (if requested)

Remarks: Please use a PQL of 2ug/L for Vinyl Chloride

| (2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | (4) Matrix: Soil | Water (Potable / NPDES) | Other | Total # of Containers | (5) Analyses Requested: 8260B | 1,4-Dioxane via Iso DI-SIM |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | 1 | H |
| Trip Blank | 10/22/11 | — | X | | | X | | 4 | 2 | 2 |
| BR-7 | | 1517 | X | | | X | | 6 | 3 | 3 |
| MW-20S | | 1702 | X | | | X | | 6 | 3 | 3 |
| MW-25DRX | | 1547 | X | | | X | | 6 | 3 | 3 |
| MW-18S | ↓ | 1710 | X | | | X | | 6 | 3 | 3 |
| MW-20D | 10/23/11 | 1052 | X | | | X | | 6 | 3 | 3 |
| BR-8S | | 1252 | X | | | X | | 6 | 3 | 3 |
| MW-28 | | 1352 | X | | | X | | 6 | 3 | 3 |
| BR-8D | | 1545 | X | | | X | | 6 | 3 | 3 |
| MW-17 | ↓ | 1437 | X | | | X | | 6 | 3 | 3 |

(7) **Turnaround Time Requested** (TAT) (please circle): (Normal) Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 802-229-4600 Fax #:
E-mail address: GAK@JCOmail.com

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg)
Type II (Tier II)
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)
TX TRRP-13
MA MCP CT RCP
Site-specific QC (MS/MSD/Dup)? (Yes) No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No

SDG Complete? Yes No

(9)

| Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|
| | 10/24/11 | 1630 | | | |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | 10/25/11 Date | 0930 Time |

# Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 6556 Group# 127992 Sample # 644864-90

**COC #** 271619

Please print. Instructions on reverse side correspond with circled numbers.

(1) Client: The Johnson Co. Acct. #: 06556

Project Name/#: AD-GA/1-0145-4 PWSID #:

Project Manager: Glen Kirkpatrick P.O.#: 1-0145-4

Sampler: Tristan Hardy / Maja Waern Quote #:

Name of state where samples were collected: GA

| (2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | (4) Matrix: Soil | Water (Potable / NPDES) | Other | Total # of Containers | (5) Analyses Requested: 8260B | 1,4-Dioxane via 150 DL SIM |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | 1 | H |
| BR-16 | 10/23/11 | 1452 | X | | | X | | 6 | 3 | 3 |
| MW-49D | | 1712 | X | | | X | | 6 | 3 | 3 |
| MW-14 | | 1600 | X | | | X | | 6 | 3 | 3 |
| BR-6 | 10/23/11 | 1707 | X | | | X | | 6 | 3 | 3 |

Preservation Codes: H=HCl T=Thiosulfate N=$HNO_3$ B=NaOH S=$H_2SO_4$ O=Other

Remarks: Please use a PQL of 2 µg/L for Vinyl Chloride

(6) Temperature of samples upon receipt (if requested)

For Lab Use Only
FSC:
SCR#:

(7) **Turnaround Time Requested** (TAT) (please circle): (Normal) Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 802-229-4600 Fax #:
E-mail address: GAK@jcomail.com

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg)
Type II (Tier II)
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)
TX TRRP-13
MA MCP CT RCP
SDG Complete? Yes No
Site-specific QC (MS/MSD/Dup)? (Yes) No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No

(9)

| Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|
| | 10/24/11 | 1630 | | | |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | 10/25/11 | 0936 |

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300 Fax: (717) 656-6766
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

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2102.05

# Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 6556 Group# 127972 Sample # 644918/64-90 **COC #** 271620

Please print. Instructions on reverse side correspond with circled numbers.

(1) Client: The Johnson Co. Acct. #: 06556

Project Name/#: AD-GA/1-0145-4 PWSID #:

Project Manager: Glen Kirkpatrick P.O.#: 1-0145-4

Sampler: Tristan Hardy/Maja Wuest Quote #:

Name of state where samples were collected: GA

For Lab Use Only
FSC:
SCR#:

**Preservation Codes**
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

(6) Temperature of samples upon receipt (if requested)

Please use a PQL of 2µg/L for Vinyl Chloride

**Remarks**

| (2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | Matrix (4) Soil | Water (Check if ☐ Potable ☐ NPDES) | Other | Total # of Containers | (5) Analyses Requested: Preservation Codes — | H | 8260B | 1,4-Dioxane via ISO DIL SIM | MS/MSD | | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Trip Blank | 10/24/11 | — | X | | | X | | 4 | 2 | 2 | | | | | | | | | |
| MW-45S | 10/24/11 ~~10/24/11~~ | 0907 | X | | | X | | 18 | 9 | 9 | | | X | | | | | | MS/MSD collected |
| MW-45D TEH 10/24/11 | 10/24/11 ~~10/24/11~~ | 1027 | X | | | X | | 6 | 3 | 3 | | | | | | | | | |
| BR-15 | 10/24/11 | 1212 | X | | | X | | 6 | 3 | 3 | | | | | | | | | |
| MW-7 | 10/24/11 | 1307 | X | | | X | | 6 | 3 | 3 | | | | | | | | | |
| MW-6 | 10/24/11 | 1417 | X | | | X | | 6 | 3 | 3 | | | | | | | | | |
| BR-45 | 10/24/11 | 1552 | X | | | X | | 6 | 3 | 3 | | | | | | | | | |
| MW-33 | ↓ | 0908 | X | | | X | | 6 | 3 | 3 | | | | | | | | | |
| MW-35 | | 1030 | X | | | X | | 6 | 3 | 3 | | | | | | | | | |
| MW-50D | ↓ | 1342 | X | | | X | | 6 | 3 | 3 | | | | | | | | | |

(7) **Turnaround Time Requested** (TAT) (please circle): (Normal) Rush

(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)

Date results are needed:

Rush results requested by (please circle): Phone Fax E-mail

Phone #: 802-229-4600 Fax #:

E-mail address: GAK@jcomail.com

(8) **Data Package Options** (please circle if required)

Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)

Internal COC Required? Yes / No

(9)

| Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|
| | 10/24/11 | 1630 | | | |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | 10/25/11 | 0930 |

# Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 6556 Group# 1272972 Sample # 644816 4-90

**COC #** 271622

Please print. Instructions on reverse side correspond with circled numbers.

(1) Client: The Johnson Co. Acct. #: 06556

Project Name/#: AD-GA/1-0145-4 PWSID #:

Project Manager: Glen Kirkpatrick P.O.#: 1-0145-4

Sampler: Tristan Hardy/Maya Wagem Quote #:

Name of state where samples were collected: GA

| (2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | (4) Matrix: Soil | Water | Other (Potable / NPDES) | Total # of Containers | (5) Analyses Requested: Preservation Codes — | H | 8260B | 1,4-Dioxane Iso Dil SIM | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-18D | 10/24/11 | 1600 | X | | | X | | 6 | 3 | 3 | | | |

**For Lab Use Only**

FSC:

SCR#:

**Preservation Codes**

H=HCl T=Thiosulfate

N=$HNO_3$ B=NaOH

S=$H_2SO_4$ O=Other

Please use a PQL of 2 µg/L for Vinyl Chloride

(6) Temperature of samples upon receipt (if requested)

(7) **Turnaround Time Requested** (TAT) (please circle): (Normal) Rush

(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)

Date results are needed:

Rush results requested by (please circle): Phone Fax E-mail

Phone #: 802-229-4600 Fax #:

E-mail address: GAK@jcomail.com

(8) **Data Package Options** (please circle if required)

Type I (validation/NJ Reg)

Type II (Tier II)

Type III (Reduced NJ)

Type IV (CLP SOW)

Type VI (Raw Data Only)

TX TRRP-13

MA MCP CT RCP

Site-specific QC (MS/MSD/Dup)? Yes No

(If yes, indicate QC sample and submit triplicate volume.)

Internal COC Required? Yes / No

SDG Complete? Yes No

| Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|
| | 10/24/11 | 1630 | | | |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | 10/25/11 | 0930 |

(9)

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300 Fax: (717) 656-6766

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

Issued by Dept. 6042 Management

2102.05

Lancaster Laboratories

# Environmental Sample Administration
# Receipt Documentation Log

**Client/Project:** The Johnson Co.

**Date of Receipt:** 10/25/11

**Time of Receipt:** 0930

**Source Code:** So. 1

**Shipping Container Sealed:** (YES) NO

**Custody Seal Present * :** (YES) NO

* Custody seal was intact unless otherwise noted in the discrepancy section

**Package:** (Chilled) Not Chilled

| Temperature of Shipping Containers | | | | | | | |
|---|---|---|---|---|---|---|---|
| Cooler # | Thermometer ID | Temperature (°C) | Temp Bottle (TB) or Surface Temp (ST) | Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP) | Ice Present? Y/N | Loose (L) Bagged Ice (B) or NA | Comments |
| 1 | 2737 | 2.2°C | TB | WI | Y | B | |
| 2 | ↓ | 0.8°C | ↓ | ↓ | ↓ | ↓ | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |

**Number of Trip Blanks received NOT listed on chain of custody:** 0

**Paperwork Discrepancy/Unpacking Problems:**

**Unpacker Signature/Emp#:** 2316 **Date/Time:** 10/25/11 1120

Issued by Dept. 6042 Management

# Explanation of Symbols and Abbreviations

*The following defines common symbols and abbreviations used in reporting technical data:*

| | | | |
|---|---|---|---|
| **RL** | Reporting Limit | **BMQL** | Below Minimum Quantitation Level |
| **N.D.** | none detected | **MPN** | Most Probable Number |
| **TNTC** | Too Numerous To Count | **CP Units** | cobalt-chloroplatinate units |
| **IU** | International Units | **NTU** | nephelometric turbidity units |
| **umhos/cm** | micromhos/cm | **ng** | nanogram(s) |
| **C** | degrees Celsius | **F** | degrees Fahrenheit |
| **meq** | milliequivalents | **lb.** | pound(s) |
| **g** | gram(s) | **kg** | kilogram(s) |
| **ug** | microgram(s) | **mg** | milligram(s) |
| **ml** | milliliter(s) | **l** | liter(s) |
| **m3** | cubic meter(s) | **ul** | microliter(s) |

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**J** estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

*U.S. EPA CLP Data Qualifiers:*

**Organic Qualifiers**

| | |
|---|---|
| **A** | TIC is a possible aldol-condensation product |
| **B** | Analyte was also detected in the blank |
| **C** | Pesticide result confirmed by GC/MS |
| **D** | Compound quantitated on a diluted sample |
| **E** | Concentration exceeds the calibration range of the instrument |
| **N** | Presumptive evidence of a compound (TICs only) |
| **P** | Concentration difference between primary and confirmation columns >25% |
| **U** | Compound was not detected |
| **X,Y,Z** | Defined in case narrative |

**Inorganic Qualifiers**

| | |
|---|---|
| **B** | Value is <CRDL, but ≥IDL |
| **E** | Estimated due to interference |
| **M** | Duplicate injection precision not met |
| **N** | Spike sample not within control limits |
| **S** | Method of standard additions (MSA) used for calculation |
| **U** | Compound was not detected |
| **W** | Post digestion spike out of control limits |
| ***** | Duplicate analysis not within control limits |
| **+** | Correlation coefficient for MSA <0.995 |

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

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# Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

November 07, 2011

Project: Avery Dennison / Flowery Branch, GA

Submittal Date: 10/26/2011
Group Number: 1273196
PO Number: 1-0145-4
State of Sample Origin: GA

| Client Sample Description | Lancaster Labs (LLI) # |
|---|---|
| Trip Blank Grab Water | 6450073 |
| MW-47S Grab Water | 6450074 |
| MW-47D Grab Water | 6450075 |
| BR-4D Grab Water | 6450076 |
| BR-24 Grab Water | 6450077 |
| MW-48D Grab Water | 6450078 |
| DP-2 Grab Water | 6450079 |
| MW-48S Grab Water | 6450080 |
| MW-23 Grab Water | 6450081 |
| MW-38 Grab Water | 6450082 |
| MW-12 Grab Water | 6450083 |
| DP-3 Grab Water | 6450084 |
| MW-36S Grab Water | 6450085 |
| MW-11 Grab Water | 6450086 |

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO The Johnson Company, Inc. Attn: Glen Kirkpatrick

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# Analysis Report

Questions? Contact your Client Services Representative
Wendy A Kozma at (717) 656-2300 Ext. 1522

Respectfully Submitted,

Lawrence M. Taylor
Senior Specialist

Lancaster Laboratories

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# Analysis Report



**Sample Description: Trip Blank Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6450073**
**LLI Group # 1273196**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/25/2011

Submitted: 10/26/2011 09:00
Reported: 11/07/2011 13:21

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

TBO25

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: Trip Blank Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6450073**
**LLI Group # 1273196**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/25/2011

Submitted: 10/26/2011 09:00
Reported: 11/07/2011 13:21

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

TBO25

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113002AA | 10/27/2011 13:54 | Chelsea B Eastep | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112992AA | 10/26/2011 20:59 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112992AA | 10/26/2011 20:59 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113002AA | 10/27/2011 13:54 | Chelsea B Eastep | 1 |

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# Analysis Report



**Sample Description: MW-47S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6450074**
**LLI Group # 1273196**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 17:55 by TH

Submitted: 10/26/2011 09:00
Reported: 11/07/2011 13:21

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FL47S

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 40 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 3 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 17 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-47S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6450074**
**LLI Group # 1273196**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 17:55 by TH

Submitted: 10/26/2011 09:00
Reported: 11/07/2011 13:21

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FL47S

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113002AA | 10/27/2011 17:13 | Chelsea B Eastep | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112992AA | 10/26/2011 23:00 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112992AA | 10/26/2011 23:00 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113002AA | 10/27/2011 17:13 | Chelsea B Eastep | 1 |

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# Analysis Report



**Sample Description: MW-47D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6450075**
**LLI Group # 1273196**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/25/2011 09:02 by TH

Submitted: 10/26/2011 09:00
Reported: 11/07/2011 13:21

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FL47D

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-47D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6450075**
**LLI Group # 1273196**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/25/2011 09:02 by TH

Submitted: 10/26/2011 09:00
Reported: 11/07/2011 13:21

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FL47D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113002AA | 10/27/2011 17:35 | Chelsea B Eastep | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113001AA | 10/27/2011 11:59 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113001AA | 10/27/2011 11:59 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113002AA | 10/27/2011 17:35 | Chelsea B Eastep | 1 |

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# Analysis Report



**Sample Description: BR-4D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6450076**
**LLI Group # 1273196**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/25/2011 10:17 by TH

Submitted: 10/26/2011 09:00
Reported: 11/07/2011 13:21

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLB4D

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: BR-4D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6450076**
**LLI Group # 1273196**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/25/2011 10:17 by TH

Submitted: 10/26/2011 09:00
Reported: 11/07/2011 13:21

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLB4D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113002AA | 10/27/2011 17:57 | Chelsea B Eastep | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112992AA | 10/26/2011 23:40 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112992AA | 10/26/2011 23:40 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113002AA | 10/27/2011 17:57 | Chelsea B Eastep | 1 |

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# Analysis Report



**Sample Description: BR-24 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6450077**
**LLI Group # 1273196**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/25/2011 11:32 by TH

Submitted: 10/26/2011 09:00
Reported: 11/07/2011 13:21

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLB24

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: BR-24 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6450077**
**LLI Group # 1273196**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/25/2011 11:32 by TH

Submitted: 10/26/2011 09:00
Reported: 11/07/2011 13:21

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLB24

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113002AA | 10/27/2011 18:19 | Chelsea B Eastep | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E112992AA | 10/27/2011 00:00 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E112992AA | 10/27/2011 00:00 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113002AA | 10/27/2011 18:19 | Chelsea B Eastep | 1 |

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# Analysis Report



**Sample Description: MW-48D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6450078**
**LLI Group # 1273196**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/25/2011 12:17 by TH

Submitted: 10/26/2011 09:00
Reported: 11/07/2011 13:21

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FL48D

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 110 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 1,400 | 20 | 10 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 450 | 50 | 10 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 460 | 200 | 100 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-48D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6450078**
**LLI Group # 1273196**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/25/2011 12:17 by TH

Submitted: 10/26/2011 09:00
Reported: 11/07/2011 13:21

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FL48D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113002AA | 10/27/2011 18:41 | Chelsea B Eastep | 1 |
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113002AA | 10/27/2011 19:03 | Chelsea B Eastep | 10 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113001AA | 10/27/2011 14:39 | Jason M Long | 100 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113001AA | 10/27/2011 14:39 | Jason M Long | 100 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113002AA | 10/27/2011 18:41 | Chelsea B Eastep | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 3 | L113002AA | 10/27/2011 19:03 | Chelsea B Eastep | 10 |

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# Analysis Report



**Sample Description: DP-2 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6450079**
**LLI Group # 1273196**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/25/2011 12:00 by TH

Submitted: 10/26/2011 09:00
Reported: 11/07/2011 13:21

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLFD2

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 99 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 1,100 | 20 | 10 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 180 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 6 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 260 | 100 | 50 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: DP-2 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6450079**
**LLI Group # 1273196**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/25/2011 12:00 by TH

Submitted: 10/26/2011 09:00
Reported: 11/07/2011 13:21

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLFD2

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113002AA | 10/27/2011 19:26 | Chelsea B Eastep | 1 |
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113002AA | 10/27/2011 22:00 | Chelsea B Eastep | 10 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113001AA | 10/27/2011 13:59 | Jason M Long | 50 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113001AA | 10/27/2011 13:59 | Jason M Long | 50 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113002AA | 10/27/2011 19:26 | Chelsea B Eastep | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 3 | L113002AA | 10/27/2011 22:00 | Chelsea B Eastep | 10 |

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# Analysis Report



**Sample Description: MW-48S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6450080**
**LLI Group # 1273196**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/25/2011 13:07 by TH

Submitted: 10/26/2011 09:00
Reported: 11/07/2011 13:21

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FL48S

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 98 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 1,000 | 20 | 10 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 170 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 6 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 280 | 100 | 50 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-48S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6450080**
**LLI Group # 1273196**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/25/2011 13:07 by TH

Submitted: 10/26/2011 09:00
Reported: 11/07/2011 13:21

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FL48S

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113002AA | 10/27/2011 19:48 | Chelsea B Eastep | 1 |
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113002AA | 10/27/2011 22:22 | Chelsea B Eastep | 10 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113001AA | 10/27/2011 14:19 | Jason M Long | 50 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113001AA | 10/27/2011 14:19 | Jason M Long | 50 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113002AA | 10/27/2011 19:48 | Chelsea B Eastep | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 3 | L113002AA | 10/27/2011 22:22 | Chelsea B Eastep | 10 |

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# Analysis Report



**Sample Description: MW-23 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6450081**
**LLI Group # 1273196**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/25/2011 14:17 by TH

Submitted: 10/26/2011 09:00
Reported: 11/07/2011 13:21

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLM23

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 6 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 11 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | 9 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 12 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 28 | 10 | 5 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-23 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6450081**
**LLI Group # 1273196**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/25/2011 14:17 by TH

Submitted: 10/26/2011 09:00
Reported: 11/07/2011 13:21

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLM23

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113002AA | 10/27/2011 20:10 | Chelsea B Eastep | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113001AA | 10/27/2011 13:19 | Jason M Long | 5 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113001AA | 10/27/2011 13:19 | Jason M Long | 5 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113002AA | 10/27/2011 20:10 | Chelsea B Eastep | 1 |

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# Analysis Report



**Sample Description: MW-38 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6450082**
**LLI Group # 1273196**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/25/2011 15:27 by TH

Submitted: 10/26/2011 09:00
Reported: 11/07/2011 13:21

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLM38

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-38 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6450082**
**LLI Group # 1273196**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/25/2011 15:27 by TH

Submitted: 10/26/2011 09:00
Reported: 11/07/2011 13:21

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLM38

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113002AA | 10/27/2011 20:32 | Chelsea B Eastep | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113001AA | 10/27/2011 12:19 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113001AA | 10/27/2011 12:19 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113002AA | 10/27/2011 20:32 | Chelsea B Eastep | 1 |

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# Analysis Report



**Sample Description: MW-12 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6450083**
**LLI Group # 1273196**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/25/2011 11:46 by TH

Submitted: 10/26/2011 09:00
Reported: 11/07/2011 13:21

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLM12

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 7.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-12 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6450083**
**LLI Group # 1273196**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/25/2011 11:46 by TH

Submitted: 10/26/2011 09:00
Reported: 11/07/2011 13:21

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLM12

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113002AA | 10/27/2011 20:54 | Chelsea B Eastep | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113001AA | 10/27/2011 12:39 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113001AA | 10/27/2011 12:39 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113002AA | 10/27/2011 20:54 | Chelsea B Eastep | 1 |

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# Analysis Report



**Sample Description: DP-3 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6450084**
**LLI Group # 1273196**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/25/2011 12:30 by TH

Submitted: 10/26/2011 09:00
Reported: 11/07/2011 13:21

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLFD3

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 7.5 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: DP-3 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6450084**
**LLI Group # 1273196**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/25/2011 12:30 by TH

Submitted: 10/26/2011 09:00
Reported: 11/07/2011 13:21

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLFD3

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113002AA | 10/27/2011 21:16 | Chelsea B Eastep | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113001AA | 10/27/2011 12:59 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113001AA | 10/27/2011 12:59 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113002AA | 10/27/2011 21:16 | Chelsea B Eastep | 1 |

Lancaster Laboratories

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# Analysis Report



**Sample Description: MW-36S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6450085**
**LLI Group # 1273196**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/25/2011 13:44 by TH

Submitted: 10/26/2011 09:00
Reported: 11/07/2011 13:21

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FL36S

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 25 | 10 | 5 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

Lancaster Laboratories

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# Analysis Report



**Sample Description: MW-36S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6450085**
**LLI Group # 1273196**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/25/2011 13:44 by TH

Submitted: 10/26/2011 09:00
Reported: 11/07/2011 13:21

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FL36S

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113012AA | 10/29/2011 00:40 | Stephanie A Selis | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113001AA | 10/27/2011 13:39 | Jason M Long | 5 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113001AA | 10/27/2011 13:39 | Jason M Long | 5 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113012AA | 10/29/2011 00:40 | Stephanie A Selis | 1 |

Lancaster Laboratories

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# Analysis Report



**Sample Description: MW-11 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6450086**
**LLI Group # 1273196**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/25/2011 15:22 by TH

Submitted: 10/26/2011 09:00
Reported: 11/07/2011 13:21

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLM11

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-11 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6450086**
**LLI Group # 1273196**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/25/2011 15:22 by TH

Submitted: 10/26/2011 09:00
Reported: 11/07/2011 13:21

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLM11

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113012AA | 10/29/2011 01:02 | Stephanie A Selis | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113001AA | 10/27/2011 11:39 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113001AA | 10/27/2011 11:39 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113012AA | 10/29/2011 01:02 | Stephanie A Selis | 1 |

## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1273196
Reported: 11/07/11 at 01:21 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

## Laboratory Compliance Quality Control

| Analysis Name | Blank Result | Blank LOQ | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: E112992AA | Sample number(s): 6450073-6450074,6450076-6450077 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 102 | 108 | 80-123 | 6 | 30 |
| Batch number: E113001AA | Sample number(s): 6450075,6450078-6450086 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 104 | 104 | 80-123 | 1 | 30 |
| Batch number: L113002AA | Sample number(s): 6450073-6450084 | | | | | | | |
| Acetone | < 20 | 20. | ug/l | 148 | 137 | 49-234 | 7 | 30 |
| Benzene | < 5 | 5. | ug/l | 99 | 96 | 79-120 | 3 | 30 |
| Bromodichloromethane | < 5 | 5. | ug/l | 88 | 85 | 80-120 | 4 | 30 |
| Bromoform | < 5 | 5. | ug/l | 76 | 76 | 61-120 | 0 | 30 |
| Bromomethane | < 5 | 5. | ug/l | 85 | 84 | 44-120 | 2 | 30 |
| 2-Butanone | < 10 | 10. | ug/l | 101 | 98 | 66-151 | 4 | 30 |
| Carbon Disulfide | < 5 | 5. | ug/l | 90 | 87 | 62-120 | 4 | 30 |
| Carbon Tetrachloride | < 5 | 5. | ug/l | 96 | 91 | 75-123 | 5 | 30 |
| Chlorobenzene | < 5 | 5. | ug/l | 97 | 94 | 80-120 | 2 | 30 |
| Chloroethane | < 5 | 5. | ug/l | 85 | 83 | 49-129 | 3 | 30 |
| Chloroform | < 5 | 5. | ug/l | 99 | 95 | 77-122 | 4 | 30 |
| Chloromethane | < 5 | 5. | ug/l | 84 | 80 | 60-129 | 4 | 30 |
| Dibromochloromethane | < 5 | 5. | ug/l | 84 | 82 | 80-120 | 3 | 30 |
| 1,1-Dichloroethane | < 5 | 5. | ug/l | 98 | 95 | 79-120 | 3 | 30 |
| 1,2-Dichloroethane | < 5 | 5. | ug/l | 101 | 97 | 70-130 | 4 | 30 |
| 1,1-Dichloroethene | < 2 | 2. | ug/l | 108 | 102 | 74-123 | 6 | 30 |
| cis-1,2-Dichloroethene | < 5 | 5. | ug/l | 99 | 97 | 80-120 | 2 | 30 |
| trans-1,2-Dichloroethene | < 5 | 5. | ug/l | 100 | 97 | 80-120 | 3 | 30 |
| 1,2-Dichloropropane | < 5 | 5. | ug/l | 94 | 91 | 78-120 | 3 | 30 |
| cis-1,3-Dichloropropene | < 5 | 5. | ug/l | 88 | 86 | 80-120 | 2 | 30 |
| trans-1,3-Dichloropropene | < 5 | 5. | ug/l | 84 | 83 | 79-120 | 2 | 30 |
| Ethylbenzene | < 5 | 5. | ug/l | 96 | 92 | 79-120 | 4 | 30 |
| 2-Hexanone | < 10 | 10. | ug/l | 91 | 88 | 65-136 | 3 | 30 |
| 4-Methyl-2-pentanone | < 10 | 10. | ug/l | 87 | 86 | 70-121 | 1 | 30 |
| Methylene Chloride | < 5 | 5. | ug/l | 102 | 99 | 80-120 | 3 | 30 |
| Styrene | < 5 | 5. | ug/l | 89 | 86 | 80-120 | 4 | 30 |
| 1,1,2,2-Tetrachloroethane | < 5 | 5. | ug/l | 90 | 89 | 71-120 | 1 | 30 |
| Tetrachloroethene | < 5 | 5. | ug/l | 100 | 95 | 80-121 | 6 | 30 |
| Toluene | < 5 | 5. | ug/l | 96 | 93 | 79-120 | 3 | 30 |
| 1,1,1-Trichloroethane | < 5 | 5. | ug/l | 98 | 95 | 75-127 | 3 | 30 |
| 1,1,2-Trichloroethane | < 5 | 5. | ug/l | 95 | 93 | 80-120 | 2 | 30 |
| Trichloroethene | < 5 | 5. | ug/l | 98 | 95 | 80-120 | 3 | 30 |
| Vinyl Chloride | < 2 | 2. | ug/l | 86 | 83 | 65-125 | 4 | 30 |
| Xylene (Total) | < 5 | 5. | ug/l | 94 | 91 | 80-120 | 3 | 30 |
| Batch number: L113012AA | Sample number(s): 6450085-6450086 | | | | | | | |
| Acetone | < 20 | 20. | ug/l | 110 | | 49-234 | | |
| Benzene | < 5 | 5. | ug/l | 96 | | 79-120 | | |
| Bromodichloromethane | < 5 | 5. | ug/l | 85 | | 80-120 | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1273196
Reported: 11/07/11 at 01:21 PM

| Analysis Name | Blank Result | Blank LOQ | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Bromoform | < 5 | 5. | ug/l | 78 | | 61-120 | | |
| Bromomethane | < 5 | 5. | ug/l | 82 | | 44-120 | | |
| 2-Butanone | < 10 | 10. | ug/l | 89 | | 66-151 | | |
| Carbon Disulfide | < 5 | 5. | ug/l | 79 | | 62-120 | | |
| Carbon Tetrachloride | < 5 | 5. | ug/l | 90 | | 75-123 | | |
| Chlorobenzene | < 5 | 5. | ug/l | 95 | | 80-120 | | |
| Chloroethane | < 5 | 5. | ug/l | 77 | | 49-129 | | |
| Chloroform | < 5 | 5. | ug/l | 95 | | 77-122 | | |
| Chloromethane | < 5 | 5. | ug/l | 78 | | 60-129 | | |
| Dibromochloromethane | < 5 | 5. | ug/l | 83 | | 80-120 | | |
| 1,1-Dichloroethane | < 5 | 5. | ug/l | 93 | | 79-120 | | |
| 1,2-Dichloroethane | < 5 | 5. | ug/l | 97 | | 70-130 | | |
| 1,1-Dichloroethene | < 2 | 2. | ug/l | 99 | | 74-123 | | |
| cis-1,2-Dichloroethene | < 5 | 5. | ug/l | 96 | | 80-120 | | |
| trans-1,2-Dichloroethene | < 5 | 5. | ug/l | 97 | | 80-120 | | |
| 1,2-Dichloropropane | < 5 | 5. | ug/l | 90 | | 78-120 | | |
| cis-1,3-Dichloropropene | < 5 | 5. | ug/l | 86 | | 80-120 | | |
| trans-1,3-Dichloropropene | < 5 | 5. | ug/l | 83 | | 79-120 | | |
| Ethylbenzene | < 5 | 5. | ug/l | 93 | | 79-120 | | |
| 2-Hexanone | < 10 | 10. | ug/l | 82 | | 65-136 | | |
| 4-Methyl-2-pentanone | < 10 | 10. | ug/l | 85 | | 70-121 | | |
| Methylene Chloride | < 5 | 5. | ug/l | 99 | | 80-120 | | |
| Styrene | < 5 | 5. | ug/l | 88 | | 80-120 | | |
| 1,1,2,2-Tetrachloroethane | < 5 | 5. | ug/l | 88 | | 71-120 | | |
| Tetrachloroethene | < 5 | 5. | ug/l | 97 | | 80-121 | | |
| Toluene | < 5 | 5. | ug/l | 93 | | 79-120 | | |
| 1,1,1-Trichloroethane | < 5 | 5. | ug/l | 94 | | 75-127 | | |
| 1,1,2-Trichloroethane | < 5 | 5. | ug/l | 94 | | 80-120 | | |
| Trichloroethene | < 5 | 5. | ug/l | 95 | | 80-120 | | |
| Vinyl Chloride | < 2 | 2. | ug/l | 79 | | 65-125 | | |
| Xylene (Total) | < 5 | 5. | ug/l | 93 | | 80-120 | | |

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| Batch number: L113012AA | Sample number(s): 6450085-6450086 UNSPK: P451753 | | | | | | | | |
| Acetone | 151* | 152* | 52-139 | 1 | 30 | | | | |
| Benzene | 100 | 107 | 80-126 | 7 | 30 | | | | |
| Bromodichloromethane | 87 | 92 | 78-125 | 6 | 30 | | | | |
| Bromoform | 73 | 81 | 60-121 | 11 | 30 | | | | |
| Bromomethane | 87 | 86 | 38-149 | 2 | 30 | | | | |
| 2-Butanone | 97 | 103 | 57-138 | 5 | 30 | | | | |
| Carbon Disulfide | 85 | 93 | 67-135 | 9 | 30 | | | | |
| Carbon Tetrachloride | 102 | 107 | 81-138 | 5 | 30 | | | | |
| Chlorobenzene | 98 | 105 | 87-124 | 8 | 30 | | | | |
| Chloroethane | 82 | 82 | 51-145 | 1 | 30 | | | | |
| Chloroform | 100 | 107 | 81-134 | 7 | 30 | | | | |
| Chloromethane | 81 | 82 | 67-154 | 2 | 30 | | | | |
| Dibromochloromethane | 81 | 89 | 74-116 | 9 | 30 | | | | |
| 1,1-Dichloroethane | 101 | 110 | 84-129 | 8 | 30 | | | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1273196
Reported: 11/07/11 at 01:21 PM

### Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloroethane | 98 | 104 | 66-141 | 6 | 30 | | | | |
| 1,1-Dichloroethene | 110 | 116 | 85-142 | 5 | 30 | | | | |
| cis-1,2-Dichloroethene | 99 | 108 | 85-125 | 8 | 30 | | | | |
| trans-1,2-Dichloroethene | 102 | 111 | 87-126 | 8 | 30 | | | | |
| 1,2-Dichloropropane | 93 | 100 | 83-124 | 7 | 30 | | | | |
| cis-1,3-Dichloropropene | 86 | 93 | 75-125 | 8 | 30 | | | | |
| trans-1,3-Dichloropropene | 80 | 87 | 74-119 | 9 | 30 | | | | |
| Ethylbenzene | 97 | 103 | 71-134 | 7 | 30 | | | | |
| 2-Hexanone | 83 | 90 | 55-127 | 7 | 30 | | | | |
| 4-Methyl-2-pentanone | 81 | 87 | 63-123 | 7 | 30 | | | | |
| Methylene Chloride | 100 | 107 | 79-120 | 6 | 30 | | | | |
| Styrene | 90 | 97 | 78-125 | 8 | 30 | | | | |
| 1,1,2,2-Tetrachloroethane | 82 | 90 | 72-128 | 9 | 30 | | | | |
| Tetrachloroethene | 106 | 115 | 80-128 | 8 | 30 | | | | |
| Toluene | 96 | 104 | 80-125 | 8 | 30 | | | | |
| 1,1,1-Trichloroethane | 103 | 108 | 80-143 | 4 | 30 | | | | |
| 1,1,2-Trichloroethane | 93 | 101 | 77-124 | 8 | 30 | | | | |
| Trichloroethene | 102 | 108 | 88-133 | 6 | 30 | | | | |
| Vinyl Chloride | 87 | 88 | 66-133 | 1 | 30 | | | | |
| Xylene (Total) | 96 | 102 | 79-125 | 7 | 30 | | | | |

### Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed
unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E112992AA

| | Toluene-d8 |
|---|---|
| 6450073 | 99 |
| 6450074 | 99 |
| 6450076 | 99 |
| 6450077 | 99 |
| Blank | 100 |
| LCS | 99 |
| LCSD | 99 |
| Limits: | 80-120 |

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E113001AA

| | Toluene-d8 |
|---|---|
| 6450075 | 99 |
| 6450078 | 98 |
| 6450079 | 99 |
| 6450080 | 99 |
| 6450081 | 99 |
| 6450082 | 99 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1273196
Reported: 11/07/11 at 01:21 PM

### Surrogate Quality Control

| | |
|---|---|
| 6450083 | 99 |
| 6450084 | 99 |
| 6450085 | 99 |
| 6450086 | 99 |
| Blank | 99 |
| LCS | 99 |
| LCSD | 99 |
| Limits: | 80-120 |

Analysis Name: 8260 Std. Water Master
Batch number: L113002AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| 6450073 | 97 | 101 | 98 | 94 |
| 6450074 | 101 | 102 | 99 | 94 |
| 6450075 | 100 | 103 | 98 | 95 |
| 6450076 | 100 | 101 | 97 | 94 |
| 6450077 | 100 | 102 | 97 | 94 |
| 6450078 | 105 | 101 | 98 | 95 |
| 6450079 | 102 | 102 | 98 | 94 |
| 6450080 | 102 | 103 | 98 | 95 |
| 6450081 | 99 | 103 | 97 | 94 |
| 6450082 | 100 | 104 | 98 | 94 |
| 6450083 | 99 | 102 | 98 | 94 |
| 6450084 | 99 | 101 | 98 | 95 |
| Blank | 98 | 101 | 98 | 94 |
| LCS | 99 | 102 | 99 | 98 |
| LCSD | 98 | 101 | 99 | 97 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

Analysis Name: 8260 Std. Water Master
Batch number: L113012AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| 6450085 | 99 | 102 | 97 | 93 |
| 6450086 | 99 | 103 | 97 | 93 |
| Blank | 99 | 102 | 97 | 93 |
| LCS | 99 | 104 | 98 | 96 |
| MS | 101 | 104 | 98 | 96 |
| MSD | 100 | 102 | 98 | 97 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 6556 Group# 1273196 Sample # 6450073-86

**COC #** 271621

Please print. Instructions on reverse side correspond with circled numbers.

(1) Client: The Johnson Co. Acct. #: 06556

Project Name/#: AD-GA / 1-0145-4 PWSID #:

Project Manager: Glen Kirkpatrick P.O.#: 1-0145-4

Sampler: Tristan Hardy / Maja Waern Quote #:

Name of state where samples were collected: GA

For Lab Use Only

FSC:

SCR#:

**Preservation Codes**

H=HCl T=Thiosulfate

N=$HNO_3$ B=NaOH

S=$H_2SO_4$ O=Other

(6) Temperature of samples upon receipt (if requested)

Please use a PQL of 2 µg/L for Vinyl Chloride

**Remarks**

| (2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | Matrix (4): Soil | Potable / NPDES (Check if Applicable) | Water | Other | Total # of Containers | (5) Analyses Requested — Preservation Codes: — | H | 8260B | 1,4-Dioxane via 1SO 3M SIM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Trip Blank | 10/25/11 | — | X | | | | X | | 4 | | | 2 | 2 |
| MW-47S | 10/24/11 | 1755 | X | | | | X | | 6 | | | 3 | 3 |
| MW-47D | 10/25/11 | 0902 | X | | | | X | | 6 | | | 3 | 3 |
| BR-4D | | 1017 | X | | | | X | | 6 | | | 3 | 3 |
| BR-24 | | 1132 | X | | | | X | | 6 | | | 3 | 3 |
| MW-48D | | 1217 | X | | | | X | | 6 | | | 3 | 3 |
| DP-2 | | 1200 | X | | | | X | | 6 | | | 3 | 3 |
| MW-48S | | 1307 | X | | | | X | | 6 | | | 3 | 3 |
| MW-23 | | 1417 | X | | | | X | | 6 | | | 3 | 3 |
| MW-38 | ↓ | 1527 | X | | | | X | | 6 | | | 3 | 3 |

(7) **Turnaround Time Requested** (TAT) (please circle): (Normal) Rush

(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)

Date results are needed:

Rush results requested by (please circle): Phone Fax E-mail

Phone #: 802-229-4600 Fax #:

E-mail address: GAK@xcomail.com

(8) **Data Package Options** (please circle if required)

Type I (validation/NJ Reg)

Type II (Tier II)

Type III (Reduced NJ)

Type IV (CLP SOW)

Type VI (Raw Data Only)

TX TRRP-13

MA MCP CT RCP

SDG Complete? Yes No

Site-specific QC (MS/MSD/Dup)? (Yes) No

(If yes, indicate QC sample and submit triplicate volume.)

Internal COC Required? Yes / No

| (9) Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|
| | 10/25/11 | 1600 | | | |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: Suzette Lehman | 10/26/11 | 0900 |

# Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 6556 Group# 1273196 Sample # 6480073-86

**COC #** 273522

Please print. Instructions on reverse side correspond with circled numbers.

(1) Client: The Johnson Co. Acct. #: 06556

Project Name/#: AD-GA / 1-0145-4 PWSID #:

Project Manager: Glen Kirkpatrick P.O.#: 1-0145-4

Sampler: Tristan Hardy / Maja Naerm Quote #:

Name of state where samples were collected:

| (2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | (4) Matrix: Soil | Water (Potable / NPDES) | Other | Total # of Containers | (5) Analyses Requested: Preservation Codes — 1 | H |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | 8260B | 1,4 Dioxane via Iso Dil SIM |
| MW-12 | 10/25/11 | 1146 | X | | | X | | 6 | 3 | 3 |
| DP-3 | | 1230 | X | | | X | | 6 | 3 | 3 |
| MW-36S | | 1344 | X | | | X | | 6 | 3 | 3 |
| MW-11 | | 1522 | X | | | X | | 6 | 3 | 3 |

**For Lab Use Only**

FSC:

SCR#:

**Preservation Codes**

H=HCl T=Thiosulfate

N=$HNO_3$ B=NaOH

S=$H_2SO_4$ O=Other

(6) Temperature of samples upon receipt (if requested)

**Remarks**

(7) **Turnaround Time Requested** (TAT) (please circle): (Normal) Rush

(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)

Date results are needed:

Rush results requested by (please circle): Phone Fax E-mail

Phone #: 802-229-4600 Fax #:

E-mail address: GAK@jcomail.com

(8) **Data Package Options** (please circle if required)

Type I (validation/NJ Reg)
Type II (Tier II)
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

TX TRRP-13
MA MCP CT RCP

SDG Complete? Yes No

Site-specific QC (MS/MSD/Dup)? (Yes) No

(If yes, indicate QC sample and submit triplicate volume.)

Internal COC Required? Yes / No

| Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|
| | 10/25/11 | 1600 | | | |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: Suzette Lehman | 10/26/11 | 0900 |

(9)

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300 Fax: (717) 656-6766

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

Issued by Dept. 6042 Management

2102.05

Lancaster Laboratories

# Environmental Sample Administration
# Receipt Documentation Log

**Client/Project:** The JOHNSON Co

**Date of Receipt:** 10/26/11

**Time of Receipt:** 0900

**Source Code:** 50-1

**Shipping Container Sealed:** (YES) NO

**Custody Seal Present * :** (YES) NO

* Custody seal was intact unless otherwise noted in the discrepancy section

**Package:** (Chilled) Not Chilled

| Temperature of Shipping Containers | | | | | | | |
|---|---|---|---|---|---|---|---|
| Cooler # | Thermometer ID | Temperature (°C) | Temp Bottle (TB) or Surface Temp (ST) | Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP) | Ice Present? Y/N | Loose (L) Bagged Ice (B) or NA | Comments |
| 1 | 9422 | 4.2 | TD | WI | Y | B | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |

**Number of Trip Blanks received NOT listed on chain of custody:** 0

**Paperwork Discrepancy/Unpacking Problems:**

**Unpacker Signature/Emp#:** Suzette Lehman 1677 **Date/Time:** 10/26/11 10:40

Issued by Dept. 6042 Management

2174.06

# Explanation of Symbols and Abbreviations

*The following defines common symbols and abbreviations used in reporting technical data:*

| | | | |
|---|---|---|---|
| **RL** | Reporting Limit | **BMQL** | Below Minimum Quantitation Level |
| **N.D.** | none detected | **MPN** | Most Probable Number |
| **TNTC** | Too Numerous To Count | **CP Units** | cobalt-chloroplatinate units |
| **IU** | International Units | **NTU** | nephelometric turbidity units |
| **umhos/cm** | micromhos/cm | **ng** | nanogram(s) |
| **C** | degrees Celsius | **F** | degrees Fahrenheit |
| **meq** | milliequivalents | **lb.** | pound(s) |
| **g** | gram(s) | **kg** | kilogram(s) |
| **ug** | microgram(s) | **mg** | milligram(s) |
| **ml** | milliliter(s) | **l** | liter(s) |
| **m3** | cubic meter(s) | **ul** | microliter(s) |

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**J** estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

*U.S. EPA CLP Data Qualifiers:*

**Organic Qualifiers**

| | |
|---|---|
| **A** | TIC is a possible aldol-condensation product |
| **B** | Analyte was also detected in the blank |
| **C** | Pesticide result confirmed by GC/MS |
| **D** | Compound quantitated on a diluted sample |
| **E** | Concentration exceeds the calibration range of the instrument |
| **N** | Presumptive evidence of a compound (TICs only) |
| **P** | Concentration difference between primary and confirmation columns >25% |
| **U** | Compound was not detected |
| **X,Y,Z** | Defined in case narrative |

**Inorganic Qualifiers**

| | |
|---|---|
| **B** | Value is <CRDL, but ≥IDL |
| **E** | Estimated due to interference |
| **M** | Duplicate injection precision not met |
| **N** | Spike sample not within control limits |
| **S** | Method of standard additions (MSA) used for calculation |
| **U** | Compound was not detected |
| **W** | Post digestion spike out of control limits |
| ***** | Duplicate analysis not within control limits |
| **+** | Correlation coefficient for MSA <0.995 |

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

Lancaster Laboratories

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# Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

November 08, 2011

Project: Avery Dennison / Flowery Branch, GA

Submittal Date: 10/27/2011
Group Number: 1273480
PO Number: 1-0145-4
State of Sample Origin: GA

| Client Sample Description | Lancaster Labs (LLI) # |
|---|---|
| Trip Blank Water | 6451748 |
| MW-46I Grab Water | 6451749 |
| MW-46D Grab Water | 6451750 |
| MW-5 Grab Water | 6451751 |
| MW-25D Grab Water | 6451752 |
| BR-17 Grab Water | 6451753 |
| BR-17 MS Grab Water | 6451754 |
| BR-17 MSD Grab Water | 6451755 |
| SBW-Trip Blank Water | 6451756 |
| SBW-1 Grab Water | 6451757 |
| SBW-2 Grab Water | 6451758 |
| SBW-3 Grab Water | 6451759 |
| SBW-4 Grab Water | 6451760 |
| SBW-4 MS Grab Water | 6451761 |
| SBW-4 MSD Grab Water | 6451762 |
| DP-5 Grab Water | 6451763 |
| SBW-5 Grab Water | 6451764 |
| SBW-6 Grab Water | 6451765 |
| SBW-7 Grab Water | 6451766 |
| SBW-8 Grab Water | 6451767 |
| SBW-9 Grab Water | 6451768 |
| SBW-10 Grab Water | 6451769 |
| SW-Trip Blank Water | 6451770 |
| SW-DS-2 Grab Water | 6451771 |
| SW-DS-1 Grab Water | 6451772 |
| SW-0 Grab Water | 6451773 |
| SW-1 Grab Water | 6451774 |
| SW-1 MS Grab Water | 6451775 |

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# Analysis Report

| | |
|---|---|
| SW-1 MSD Grab Water | 6451776 |
| DP-SW Grab Water | 6451777 |
| SW-2 Grab Water | 6451778 |
| SW-3 Grab Water | 6451779 |
| SW-4 Grab Water | 6451780 |
| SW-5 Grab Water | 6451781 |
| SW-6 Grab Water | 6451782 |

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO The Johnson Company, Inc. Attn: Glen Kirkpatrick

Questions? Contact your Client Services Representative
Wendy A Kozma at (717) 656-2300 Ext. 1522

Respectfully Submitted,

Robin C. Runkle
Senior Specialist

Lancaster Laboratories

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# Analysis Report



**Sample Description: Trip Blank Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451748**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD-TB

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

Lancaster Laboratories

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# Analysis Report



**Sample Description: Trip Blank Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451748**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD-TB

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113012AA | 10/29/2011 01:24 | Stephanie A Selis | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113012AA | 10/28/2011 22:29 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113012AA | 10/28/2011 22:29 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113012AA | 10/29/2011 01:24 | Stephanie A Selis | 1 |

Lancaster Laboratories

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# Analysis Report



**Sample Description: MW-46I Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451749**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/25/2011 18:02 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD46I

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 13 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 13 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 4 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 3.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-46I Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451749**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/25/2011 18:02 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD46I

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113012AA | 10/29/2011 01:46 | Stephanie A Selis | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113012AA | 10/28/2011 23:30 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113012AA | 10/28/2011 23:30 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113012AA | 10/29/2011 01:46 | Stephanie A Selis | 1 |

Lancaster Laboratories

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# Analysis Report



**Sample Description: MW-46D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451750**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/25/2011 16:18 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD46D

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-46D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451750**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/25/2011 16:18 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD46D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113012AA | 10/29/2011 02:08 | Stephanie A Selis | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113012AA | 10/28/2011 23:50 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113012AA | 10/28/2011 23:50 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113012AA | 10/29/2011 02:08 | Stephanie A Selis | 1 |

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# Analysis Report



**Sample Description: MW-5 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451751**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/25/2011 17:22 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD-M5

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 6 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 28 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 7.4 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-5 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451751**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/25/2011 17:22 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD-M5

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113012AA | 10/29/2011 02:30 | Stephanie A Selis | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113012AA | 10/29/2011 00:10 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113012AA | 10/29/2011 00:10 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113012AA | 10/29/2011 02:30 | Stephanie A Selis | 1 |

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# Analysis Report



**Sample Description: MW-25D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451752**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 08:45 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD25D

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-25D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451752**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 08:45 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD25D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113012AA | 10/29/2011 02:52 | Stephanie A Selis | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113012AA | 10/29/2011 00:30 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113012AA | 10/29/2011 00:30 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113012AA | 10/29/2011 02:52 | Stephanie A Selis | 1 |

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# Analysis Report



**Sample Description: BR-17 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451753**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 10:02 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADB17

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: BR-17 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451753**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 10:02 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADB17

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113012AA | 10/29/2011 03:14 | Stephanie A Selis | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113012AA | 10/28/2011 22:09 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113012AA | 10/28/2011 22:09 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113012AA | 10/29/2011 03:14 | Stephanie A Selis | 1 |

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# Analysis Report



**Sample Description: BR-17 MS Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451754**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 10:02 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADB17

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | 230 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | 20 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | 17 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | 15 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | 17 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | 150 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | 17 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | 20 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | 20 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 16 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | 20 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | 16 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | 16 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 20 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | 20 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 22 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | 20 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | 20 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | 19 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | 17 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | 16 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | 19 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | 83 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | 81 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | 20 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | 18 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 16 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | 21 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | 19 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 21 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | 19 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | 20 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 17 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | 57 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 5.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: BR-17 MS Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451754**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 10:02 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADB17

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113012AA | 10/29/2011 03:36 | Stephanie A Selis | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113012AA | 10/29/2011 04:29 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | L113012AA | 10/29/2011 03:36 | Stephanie A Selis | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E113012AA | 10/29/2011 04:29 | Sara E Johnson | 1 |

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# Analysis Report



**Sample Description: BR-17 MSD Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451755**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 10:02 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADB17

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | 230 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | 21 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | 18 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | 16 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | 17 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | 150 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | 19 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | 21 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | 21 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 16 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | 21 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | 16 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | 18 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 22 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | 21 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 23 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | 22 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | 22 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | 20 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | 19 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | 17 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | 21 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | 90 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | 87 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | 21 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | 19 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 18 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | 23 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | 21 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 22 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | 20 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | 22 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 18 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | 61 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 5.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: BR-17 MSD Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451755**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 10:02 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADB17

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113012AA | 10/29/2011 03:58 | Stephanie A Selis | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113012AA | 10/29/2011 04:50 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | L113012AA | 10/29/2011 03:58 | Stephanie A Selis | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E113012AA | 10/29/2011 04:50 | Sara E Johnson | 1 |

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# Analysis Report



**Sample Description: SBW-Trip Blank Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451756**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SBWTB

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: SBW-Trip Blank Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451756**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SBWTB

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113012AA | 10/29/2011 04:20 | Stephanie A Selis | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113012AA | 10/28/2011 22:49 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113012AA | 10/28/2011 22:49 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113012AA | 10/29/2011 04:20 | Stephanie A Selis | 1 |

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# Analysis Report



**Sample Description: SBW-1 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451757**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 13:35 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SBW1-

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 8 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: SBW-1 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451757**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 13:35 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SBW1-

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113012AA | 10/29/2011 04:42 | Stephanie A Selis | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113012AA | 10/29/2011 00:50 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113012AA | 10/29/2011 00:50 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113012AA | 10/29/2011 04:42 | Stephanie A Selis | 1 |

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# Analysis Report



**Sample Description: SBW-2 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451758**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 13:45 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SBW2-

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: SBW-2 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451758**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 13:45 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SBW2-

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113012AA | 10/29/2011 05:04 | Stephanie A Selis | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113012AA | 10/29/2011 01:10 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113012AA | 10/29/2011 01:10 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113012AA | 10/29/2011 05:04 | Stephanie A Selis | 1 |

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# Analysis Report



**Sample Description: SBW-3 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451759**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 14:15 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SBW3-

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 7 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: SBW-3 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451759**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 14:15 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SBW3-

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113042AA | 10/31/2011 17:40 | Sara E Johnson | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113012AA | 10/29/2011 01:30 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113012AA | 10/29/2011 01:30 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113042AA | 10/31/2011 17:40 | Sara E Johnson | 1 |

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# Analysis Report



**Sample Description: SBW-4 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451760**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 14:10 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SBW4-

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 44 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 150 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | 21 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 54 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 5.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: SBW-4 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451760**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 14:10 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SBW4-

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113012BA | 10/29/2011 05:26 | Stephanie A Selis | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113071AA | 11/03/2011 11:30 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | L113012BA | 10/29/2011 05:26 | Stephanie A Selis | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E113071AA | 11/03/2011 11:30 | Jason M Long | 1 |

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# Analysis Report



**Sample Description: SBW-4 MS Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451761**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 14:10 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

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Suite 600
100 State Street
Montpelier VT 05602

SBW4-

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | 150 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | 20 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | 17 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | 15 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | 17 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | 120 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | 17 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | 21 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | 19 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 18 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | 20 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | 16 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | 16 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 63 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | 20 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 170 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | 20 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | 21 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | 18 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | 17 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | 16 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | 19 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | 76 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | 80 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | 20 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | 18 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 17 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | 21 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | 34 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 76 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | 18 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | 21 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 18 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | 57 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 9.5 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: SBW-4 MS Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451761**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 14:10 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SBW4-

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113012BA | 10/29/2011 05:48 | Stephanie A Selis | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113071AA | 11/03/2011 11:50 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | L113012BA | 10/29/2011 05:48 | Stephanie A Selis | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E113071AA | 11/03/2011 11:50 | Jason M Long | 1 |

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# Analysis Report



**Sample Description: SBW-4 MSD Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451762**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 14:10 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

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Suite 600
100 State Street
Montpelier VT 05602

SBW4-

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | 140 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | 20 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | 17 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | 15 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | 16 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | 120 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | 17 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | 20 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | 20 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 18 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | 20 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | 16 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | 17 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 63 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | 19 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 170 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | 20 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | 21 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | 18 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | 17 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | 16 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | 19 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | 76 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | 81 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | 20 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | 18 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 17 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | 22 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | 31 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 77 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | 18 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | 21 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 18 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | 57 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 9.7 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: SBW-4 MSD Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451762**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 14:10 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SBW4-

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113012BA | 10/29/2011 06:10 | Stephanie A Selis | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113071AA | 11/03/2011 12:10 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | L113012BA | 10/29/2011 06:10 | Stephanie A Selis | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E113071AA | 11/03/2011 12:10 | Jason M Long | 1 |

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# Analysis Report



**Sample Description: DP-5 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451763**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 12:00 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

DP5--

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 44 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 150 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | 11 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 57 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 5.1 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: DP-5 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451763**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 12:00 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

DP5--

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113012AA | 10/29/2011 06:31 | Stephanie A Selis | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113012AA | 10/29/2011 01:50 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113012AA | 10/29/2011 01:50 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113012AA | 10/29/2011 06:31 | Stephanie A Selis | 1 |

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# Analysis Report



**Sample Description: SBW-5 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451764**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 14:30 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SBW5-

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: SBW-5 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451764**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 14:30 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SBW5-

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113012AA | 10/29/2011 06:53 | Stephanie A Selis | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113012AA | 10/29/2011 02:10 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113012AA | 10/29/2011 02:10 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113012AA | 10/29/2011 06:53 | Stephanie A Selis | 1 |

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# Analysis Report



**Sample Description: SBW-6 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451765**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 14:45 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SBW6-

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 3.4 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: SBW-6 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451765**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 14:45 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SBW6-

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113012AA | 10/29/2011 07:15 | Stephanie A Selis | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113012AA | 10/29/2011 02:30 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113012AA | 10/29/2011 02:30 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113012AA | 10/29/2011 07:15 | Stephanie A Selis | 1 |

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# Analysis Report



**Sample Description: SBW-7 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451766**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 07:45 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SBW7-

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 8 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 2.9 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: SBW-7 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451766**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 07:45 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SBW7-

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113012AA | 10/29/2011 07:37 | Stephanie A Selis | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113012AA | 10/29/2011 02:50 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113012AA | 10/29/2011 02:50 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113012AA | 10/29/2011 07:37 | Stephanie A Selis | 1 |

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# Analysis Report



**Sample Description: SBW-8 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451767**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 15:10 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SBW8-

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 5 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 6.9 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: SBW-8 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451767**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 15:10 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SBW8-

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113012AA | 10/29/2011 07:59 | Stephanie A Selis | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113012AA | 10/29/2011 03:09 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113012AA | 10/29/2011 03:09 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113012AA | 10/29/2011 07:59 | Stephanie A Selis | 1 |

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# Analysis Report



**Sample Description: SBW-9 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451768**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 15:25 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SBW9-

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 36 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 400 | 20 | 10 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 130 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 150 | 40 | 20 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: SBW-9 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451768**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 15:25 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SBW9-

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113021AA | 10/29/2011 15:05 | Chelsea B Eastep | 1 |
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113042AA | 10/31/2011 18:02 | Sara E Johnson | 10 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113071AA | 11/03/2011 12:30 | Jason M Long | 20 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | L113021AA | 10/29/2011 15:05 | Chelsea B Eastep | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113042AA | 10/31/2011 18:02 | Sara E Johnson | 10 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 3 | E113071AA | 11/03/2011 12:30 | Jason M Long | 20 |

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# Analysis Report



**Sample Description: SBW-10 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451769**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 15:35 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SBW10

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: SBW-10 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451769**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 15:35 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SBW10

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113021AA | 10/29/2011 15:27 | Chelsea B Eastep | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113012AA | 10/29/2011 03:30 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113012AA | 10/29/2011 03:30 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113021AA | 10/29/2011 15:27 | Chelsea B Eastep | 1 |

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# Analysis Report



**Sample Description: SW-Trip Blank Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451770**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SWTB-

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: SW-Trip Blank Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451770**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SWTB-

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113021AA | 10/29/2011 15:49 | Chelsea B Eastep | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113012AA | 10/28/2011 23:09 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113012AA | 10/28/2011 23:09 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113021AA | 10/29/2011 15:49 | Chelsea B Eastep | 1 |

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# Analysis Report



**Sample Description: SW-DS-2 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451771**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 12:50 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SWDS2

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 6 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 2.1 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: SW-DS-2 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451771**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 12:50 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SWDS2

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113021AA | 10/29/2011 16:11 | Chelsea B Eastep | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113012AA | 10/29/2011 03:50 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113012AA | 10/29/2011 03:50 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113021AA | 10/29/2011 16:11 | Chelsea B Eastep | 1 |

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# Analysis Report



**Sample Description: SW-DS-1 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451772**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 13:00 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SWDS1

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 9 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: SW-DS-1 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451772**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 13:00 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SWDS1

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113021AA | 10/29/2011 16:34 | Chelsea B Eastep | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113012AA | 10/29/2011 04:09 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113012AA | 10/29/2011 04:09 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113021AA | 10/29/2011 16:34 | Chelsea B Eastep | 1 |

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# Analysis Report



**Sample Description: SW-0 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451773**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 13:10 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SW0--

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 7 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: SW-0 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451773**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 13:10 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SW0--

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113021AA | 10/29/2011 16:56 | Chelsea B Eastep | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113021AA | 10/29/2011 13:02 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113021AA | 10/29/2011 13:02 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113021AA | 10/29/2011 16:56 | Chelsea B Eastep | 1 |

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# Analysis Report



**Sample Description: SW-1 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451774**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 13:25 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SW1--

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 17 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: SW-1 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451774**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 13:25 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SW1--

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113021AA | 10/29/2011 17:18 | Chelsea B Eastep | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113021AA | 10/29/2011 12:22 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113021AA | 10/29/2011 12:22 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113021AA | 10/29/2011 17:18 | Chelsea B Eastep | 1 |

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# Analysis Report



**Sample Description: SW-1 MS Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451775**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 13:25 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SW1--

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | 170 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | 19 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | 17 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | 14 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | 17 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | 130 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | 16 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | 19 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | 19 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 16 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | 19 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | 16 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | 16 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 21 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | 19 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 38 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | 19 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | 19 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | 18 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | 17 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | 16 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | 19 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | 78 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | 79 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | 19 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | 17 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 16 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | 20 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | 19 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 26 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | 18 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | 20 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 17 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | 55 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 7.1 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: SW-1 MS Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451775**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 13:25 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SW1--

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113021AA | 10/29/2011 17:40 | Chelsea B Eastep | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113021AA | 10/29/2011 13:22 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113021AA | 10/29/2011 13:22 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113021AA | 10/29/2011 17:40 | Chelsea B Eastep | 1 |

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# Analysis Report



**Sample Description: SW-1 MSD Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451776**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 13:25 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SW1--

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | 170 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | 19 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | 17 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | 15 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | 16 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | 130 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | 16 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | 19 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | 19 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 15 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | 19 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | 15 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | 16 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 21 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | 19 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 38 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | 19 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | 19 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | 18 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | 17 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | 16 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | 19 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | 79 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | 79 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | 19 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | 18 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 16 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | 21 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | 19 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 25 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | 18 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | 19 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 16 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | 56 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 6.9 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: SW-1 MSD Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451776**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 13:25 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SW1--

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113021AA | 10/29/2011 18:02 | Chelsea B Eastep | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113021AA | 10/29/2011 13:42 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113021AA | 10/29/2011 13:42 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113021AA | 10/29/2011 18:02 | Chelsea B Eastep | 1 |

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# Analysis Report



**Sample Description: DP-SW Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451777**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 13:25 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SWDP-

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 17 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: DP-SW Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451777**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 13:25 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SWDP-

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113021AA | 10/29/2011 18:24 | Chelsea B Eastep | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113021AA | 10/29/2011 14:22 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113021AA | 10/29/2011 14:22 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113021AA | 10/29/2011 18:24 | Chelsea B Eastep | 1 |

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# Analysis Report



**Sample Description: SW-2 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451778**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 14:00 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SW2--

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 24 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 8 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 2.3 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: SW-2 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451778**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 14:00 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SW2--

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113021AA | 10/29/2011 18:46 | Chelsea B Eastep | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113021AA | 10/29/2011 14:42 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113021AA | 10/29/2011 14:42 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113021AA | 10/29/2011 18:46 | Chelsea B Eastep | 1 |

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# Analysis Report



**Sample Description: SW-3 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451779**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 14:40 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SW3--

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 2.1 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: SW-3 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451779**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 14:40 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SW3--

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113021AA | 10/29/2011 19:08 | Chelsea B Eastep | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113021AA | 10/29/2011 15:02 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113021AA | 10/29/2011 15:02 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113021AA | 10/29/2011 19:08 | Chelsea B Eastep | 1 |

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# Analysis Report



**Sample Description: SW-4 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451780**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 14:50 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SW4--

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 3 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 2.6 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: SW-4 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451780**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 14:50 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SW4--

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113021AA | 10/29/2011 19:30 | Chelsea B Eastep | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113021AA | 10/29/2011 15:22 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113021AA | 10/29/2011 15:22 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113021AA | 10/29/2011 19:30 | Chelsea B Eastep | 1 |

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# Analysis Report



**Sample Description: SW-5 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451781**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 15:30 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SW5--

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: SW-5 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451781**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 15:30 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SW5--

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113021AA | 10/29/2011 19:52 | Chelsea B Eastep | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113021AA | 10/29/2011 15:42 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113021AA | 10/29/2011 15:42 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113021AA | 10/29/2011 19:52 | Chelsea B Eastep | 1 |

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# Analysis Report



**Sample Description: SW-6 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451782**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 15:45 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SW6--

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

# Analysis Report



**Sample Description: SW-6 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6451782**
**LLI Group # 1273480**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 15:45 by TH

Submitted: 10/27/2011 09:25
Reported: 11/08/2011 19:20

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SW6--

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113021AA | 10/29/2011 20:14 | Chelsea B Eastep | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113021AA | 10/29/2011 16:02 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113021AA | 10/29/2011 16:02 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113021AA | 10/29/2011 20:14 | Chelsea B Eastep | 1 |

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# Analysis Report



## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1273480
Reported: 11/08/11 at 07:20 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

## Laboratory Compliance Quality Control

| Analysis Name | Blank Result | Blank LOQ | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: E113012AA | Sample number(s): 6451748-6451759,6451763-6451767,6451769-6451772 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 107 | | 80-123 | | |
| Batch number: E113021AA | Sample number(s): 6451773-6451782 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 101 | | 80-123 | | |
| Batch number: E113071AA | Sample number(s): 6451760-6451762,6451768 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 107 | | 80-123 | | |
| Batch number: L113012AA | Sample number(s): 6451748-6451758,6451763-6451767 | | | | | | | |
| Acetone | < 20 | 20. | ug/l | 110 | | 49-234 | | |
| Benzene | < 5 | 5. | ug/l | 96 | | 79-120 | | |
| Bromodichloromethane | < 5 | 5. | ug/l | 85 | | 80-120 | | |
| Bromoform | < 5 | 5. | ug/l | 78 | | 61-120 | | |
| Bromomethane | < 5 | 5. | ug/l | 82 | | 44-120 | | |
| 2-Butanone | < 10 | 10. | ug/l | 89 | | 66-151 | | |
| Carbon Disulfide | < 5 | 5. | ug/l | 79 | | 62-120 | | |
| Carbon Tetrachloride | < 5 | 5. | ug/l | 90 | | 75-123 | | |
| Chlorobenzene | < 5 | 5. | ug/l | 95 | | 80-120 | | |
| Chloroethane | < 5 | 5. | ug/l | 77 | | 49-129 | | |
| Chloroform | < 5 | 5. | ug/l | 95 | | 77-122 | | |
| Chloromethane | < 5 | 5. | ug/l | 78 | | 60-129 | | |
| Dibromochloromethane | < 5 | 5. | ug/l | 83 | | 80-120 | | |
| 1,1-Dichloroethane | < 5 | 5. | ug/l | 93 | | 79-120 | | |
| 1,2-Dichloroethane | < 5 | 5. | ug/l | 97 | | 70-130 | | |
| 1,1-Dichloroethene | < 2 | 2. | ug/l | 99 | | 74-123 | | |
| cis-1,2-Dichloroethene | < 5 | 5. | ug/l | 96 | | 80-120 | | |
| trans-1,2-Dichloroethene | < 5 | 5. | ug/l | 97 | | 80-120 | | |
| 1,2-Dichloropropane | < 5 | 5. | ug/l | 90 | | 78-120 | | |
| cis-1,3-Dichloropropene | < 5 | 5. | ug/l | 86 | | 80-120 | | |
| trans-1,3-Dichloropropene | < 5 | 5. | ug/l | 83 | | 79-120 | | |
| Ethylbenzene | < 5 | 5. | ug/l | 93 | | 79-120 | | |
| 2-Hexanone | < 10 | 10. | ug/l | 82 | | 65-136 | | |
| 4-Methyl-2-pentanone | < 10 | 10. | ug/l | 85 | | 70-121 | | |
| Methylene Chloride | < 5 | 5. | ug/l | 99 | | 80-120 | | |
| Styrene | < 5 | 5. | ug/l | 88 | | 80-120 | | |
| 1,1,2,2-Tetrachloroethane | < 5 | 5. | ug/l | 88 | | 71-120 | | |
| Tetrachloroethene | < 5 | 5. | ug/l | 97 | | 80-121 | | |
| Toluene | < 5 | 5. | ug/l | 93 | | 79-120 | | |
| 1,1,1-Trichloroethane | < 5 | 5. | ug/l | 94 | | 75-127 | | |
| 1,1,2-Trichloroethane | < 5 | 5. | ug/l | 94 | | 80-120 | | |
| Trichloroethene | < 5 | 5. | ug/l | 95 | | 80-120 | | |
| Vinyl Chloride | < 2 | 2. | ug/l | 79 | | 65-125 | | |
| Xylene (Total) | < 5 | 5. | ug/l | 93 | | 80-120 | | |
| Batch number: L113012BA | Sample number(s): 6451760-6451762 | | | | | | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1273480
Reported: 11/08/11 at 07:20 PM

| Analysis Name | Blank Result | Blank LOQ | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Acetone | < 20 | 20. | ug/l | 110 | | 49-234 | | |
| Benzene | < 5 | 5. | ug/l | 96 | | 79-120 | | |
| Bromodichloromethane | < 5 | 5. | ug/l | 85 | | 80-120 | | |
| Bromoform | < 5 | 5. | ug/l | 78 | | 61-120 | | |
| Bromomethane | < 5 | 5. | ug/l | 82 | | 44-120 | | |
| 2-Butanone | < 10 | 10. | ug/l | 89 | | 66-151 | | |
| Carbon Disulfide | < 5 | 5. | ug/l | 79 | | 62-120 | | |
| Carbon Tetrachloride | < 5 | 5. | ug/l | 90 | | 75-123 | | |
| Chlorobenzene | < 5 | 5. | ug/l | 95 | | 80-120 | | |
| Chloroethane | < 5 | 5. | ug/l | 77 | | 49-129 | | |
| Chloroform | < 5 | 5. | ug/l | 95 | | 77-122 | | |
| Chloromethane | < 5 | 5. | ug/l | 78 | | 60-129 | | |
| Dibromochloromethane | < 5 | 5. | ug/l | 83 | | 80-120 | | |
| 1,1-Dichloroethane | < 5 | 5. | ug/l | 93 | | 79-120 | | |
| 1,2-Dichloroethane | < 5 | 5. | ug/l | 97 | | 70-130 | | |
| 1,1-Dichloroethene | < 2 | 2. | ug/l | 99 | | 74-123 | | |
| cis-1,2-Dichloroethene | < 5 | 5. | ug/l | 96 | | 80-120 | | |
| trans-1,2-Dichloroethene | < 5 | 5. | ug/l | 97 | | 80-120 | | |
| 1,2-Dichloropropane | < 5 | 5. | ug/l | 90 | | 78-120 | | |
| cis-1,3-Dichloropropene | < 5 | 5. | ug/l | 86 | | 80-120 | | |
| trans-1,3-Dichloropropene | < 5 | 5. | ug/l | 83 | | 79-120 | | |
| Ethylbenzene | < 5 | 5. | ug/l | 93 | | 79-120 | | |
| 2-Hexanone | < 10 | 10. | ug/l | 82 | | 65-136 | | |
| 4-Methyl-2-pentanone | < 10 | 10. | ug/l | 85 | | 70-121 | | |
| Methylene Chloride | < 5 | 5. | ug/l | 99 | | 80-120 | | |
| Styrene | < 5 | 5. | ug/l | 88 | | 80-120 | | |
| 1,1,2,2-Tetrachloroethane | < 5 | 5. | ug/l | 88 | | 71-120 | | |
| Tetrachloroethene | < 5 | 5. | ug/l | 97 | | 80-121 | | |
| Toluene | < 5 | 5. | ug/l | 93 | | 79-120 | | |
| 1,1,1-Trichloroethane | < 5 | 5. | ug/l | 94 | | 75-127 | | |
| 1,1,2-Trichloroethane | < 5 | 5. | ug/l | 94 | | 80-120 | | |
| Trichloroethene | < 5 | 5. | ug/l | 95 | | 80-120 | | |
| Vinyl Chloride | < 2 | 2. | ug/l | 79 | | 65-125 | | |
| Xylene (Total) | < 5 | 5. | ug/l | 93 | | 80-120 | | |
| Batch number: L113021AA | Sample number(s): 6451768-6451782 | | | | | | | |
| Acetone | < 20 | 20. | ug/l | 120 | | 49-234 | | |
| Benzene | < 5 | 5. | ug/l | 93 | | 79-120 | | |
| Bromodichloromethane | < 5 | 5. | ug/l | 83 | | 80-120 | | |
| Bromoform | < 5 | 5. | ug/l | 75 | | 61-120 | | |
| Bromomethane | < 5 | 5. | ug/l | 78 | | 44-120 | | |
| 2-Butanone | < 10 | 10. | ug/l | 88 | | 66-151 | | |
| Carbon Disulfide | < 5 | 5. | ug/l | 72 | | 62-120 | | |
| Carbon Tetrachloride | < 5 | 5. | ug/l | 91 | | 75-123 | | |
| Chlorobenzene | < 5 | 5. | ug/l | 92 | | 80-120 | | |
| Chloroethane | < 5 | 5. | ug/l | 77 | | 49-129 | | |
| Chloroform | < 5 | 5. | ug/l | 92 | | 77-122 | | |
| Chloromethane | < 5 | 5. | ug/l | 72 | | 60-129 | | |
| Dibromochloromethane | < 5 | 5. | ug/l | 80 | | 80-120 | | |
| 1,1-Dichloroethane | < 5 | 5. | ug/l | 92 | | 79-120 | | |
| 1,2-Dichloroethane | < 5 | 5. | ug/l | 95 | | 70-130 | | |
| 1,1-Dichloroethene | < 2 | 2. | ug/l | 94 | | 74-123 | | |
| cis-1,2-Dichloroethene | < 5 | 5. | ug/l | 92 | | 80-120 | | |
| trans-1,2-Dichloroethene | < 5 | 5. | ug/l | 94 | | 80-120 | | |
| 1,2-Dichloropropane | < 5 | 5. | ug/l | 87 | | 78-120 | | |
| cis-1,3-Dichloropropene | < 5 | 5. | ug/l | 83 | | 80-120 | | |
| trans-1,3-Dichloropropene | < 5 | 5. | ug/l | 80 | | 79-120 | | |
| Ethylbenzene | < 5 | 5. | ug/l | 90 | | 79-120 | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1273480
Reported: 11/08/11 at 07:20 PM

| Analysis Name | Blank Result | Blank LOQ | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| 2-Hexanone | < 10 | 10. | ug/l | 81 | | 65-136 | | |
| 4-Methyl-2-pentanone | < 10 | 10. | ug/l | 81 | | 70-121 | | |
| Methylene Chloride | < 5 | 5. | ug/l | 95 | | 80-120 | | |
| Styrene | < 5 | 5. | ug/l | 84 | | 80-120 | | |
| 1,1,2,2-Tetrachloroethane | < 5 | 5. | ug/l | 83 | | 71-120 | | |
| Tetrachloroethene | < 5 | 5. | ug/l | 97 | | 80-121 | | |
| Toluene | < 5 | 5. | ug/l | 89 | | 79-120 | | |
| 1,1,1-Trichloroethane | < 5 | 5. | ug/l | 92 | | 75-127 | | |
| 1,1,2-Trichloroethane | < 5 | 5. | ug/l | 92 | | 80-120 | | |
| Trichloroethene | < 5 | 5. | ug/l | 92 | | 80-120 | | |
| Vinyl Chloride | < 2 | 2. | ug/l | 75 | | 65-125 | | |
| Xylene (Total) | < 5 | 5. | ug/l | 89 | | 80-120 | | |
| Batch number: L113042AA | Sample number(s): 6451759,6451768 | | | | | | | |
| Acetone | < 20 | 20. | ug/l | 110 | 142 | 49-234 | 25 | 30 |
| Benzene | < 5 | 5. | ug/l | 98 | 96 | 79-120 | 1 | 30 |
| Bromodichloromethane | < 5 | 5. | ug/l | 87 | 87 | 80-120 | 0 | 30 |
| Bromoform | < 5 | 5. | ug/l | 81 | 79 | 61-120 | 2 | 30 |
| Bromomethane | < 5 | 5. | ug/l | 80 | 79 | 44-120 | 2 | 30 |
| 2-Butanone | < 10 | 10. | ug/l | 94 | 103 | 66-151 | 9 | 30 |
| Carbon Disulfide | < 5 | 5. | ug/l | 89 | 89 | 62-120 | 1 | 30 |
| Carbon Tetrachloride | < 5 | 5. | ug/l | 91 | 90 | 75-123 | 2 | 30 |
| Chlorobenzene | < 5 | 5. | ug/l | 96 | 96 | 80-120 | 0 | 30 |
| Chloroethane | < 5 | 5. | ug/l | 75 | 79 | 49-129 | 5 | 30 |
| Chloroform | < 5 | 5. | ug/l | 96 | 95 | 77-122 | 1 | 30 |
| Chloromethane | < 5 | 5. | ug/l | 79 | 79 | 60-129 | 0 | 30 |
| Dibromochloromethane | < 5 | 5. | ug/l | 86 | 86 | 80-120 | 0 | 30 |
| 1,1-Dichloroethane | < 5 | 5. | ug/l | 96 | 95 | 79-120 | 1 | 30 |
| 1,2-Dichloroethane | < 5 | 5. | ug/l | 96 | 94 | 70-130 | 2 | 30 |
| 1,1-Dichloroethene | < 2 | 2. | ug/l | 105 | 100 | 74-123 | 5 | 30 |
| cis-1,2-Dichloroethene | < 5 | 5. | ug/l | 97 | 96 | 80-120 | 1 | 30 |
| trans-1,2-Dichloroethene | < 5 | 5. | ug/l | 99 | 97 | 80-120 | 1 | 30 |
| 1,2-Dichloropropane | < 5 | 5. | ug/l | 93 | 92 | 78-120 | 1 | 30 |
| cis-1,3-Dichloropropene | < 5 | 5. | ug/l | 89 | 89 | 80-120 | 0 | 30 |
| trans-1,3-Dichloropropene | < 5 | 5. | ug/l | 86 | 86 | 79-120 | 0 | 30 |
| Ethylbenzene | < 5 | 5. | ug/l | 93 | 93 | 79-120 | 0 | 30 |
| 2-Hexanone | < 10 | 10. | ug/l | 86 | 89 | 65-136 | 3 | 30 |
| 4-Methyl-2-pentanone | < 10 | 10. | ug/l | 88 | 88 | 70-121 | 0 | 30 |
| Methylene Chloride | < 5 | 5. | ug/l | 101 | 97 | 80-120 | 4 | 30 |
| Styrene | < 5 | 5. | ug/l | 89 | 88 | 80-120 | 1 | 30 |
| 1,1,2,2-Tetrachloroethane | < 5 | 5. | ug/l | 88 | 86 | 71-120 | 2 | 30 |
| Tetrachloroethene | < 5 | 5. | ug/l | 100 | 98 | 80-121 | 2 | 30 |
| Toluene | < 5 | 5. | ug/l | 95 | 95 | 79-120 | 0 | 30 |
| 1,1,1-Trichloroethane | < 5 | 5. | ug/l | 93 | 91 | 75-127 | 2 | 30 |
| 1,1,2-Trichloroethane | < 5 | 5. | ug/l | 95 | 94 | 80-120 | 1 | 30 |
| Trichloroethene | < 5 | 5. | ug/l | 96 | 93 | 80-120 | 4 | 30 |
| Vinyl Chloride | < 2 | 2. | ug/l | 81 | 80 | 65-125 | 1 | 30 |
| Xylene (Total) | < 5 | 5. | ug/l | 94 | 93 | 80-120 | 1 | 30 |

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| | MS | MSD | MS/MSD | RPD | BKG | DUP | DUP | Dup RPD |
|---|---|---|---|---|---|---|---|---|

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1273480
Reported: 11/08/11 at 07:20 PM

| Analysis Name | %REC | %REC | Limits | RPD | MAX | Conc | Conc | RPD | Max |
|---|---|---|---|---|---|---|---|---|---|
| Batch number: E113012AA | Sample number(s): 6451748-6451759,6451763-6451767,6451769-6451772 UNSPK: 6451753 | | | | | | | | |
| 1,4-Dioxane | 101 | 100 | 73-138 | 1 | 30 | | | | |
| Batch number: E113021AA | Sample number(s): 6451773-6451782 UNSPK: 6451774 | | | | | | | | |
| 1,4-Dioxane | 101 | 96 | 73-138 | 3 | 30 | | | | |
| Batch number: E113071AA | Sample number(s): 6451760-6451762,6451768 UNSPK: 6451760 | | | | | | | | |
| 1,4-Dioxane | 91 | 95 | 73-138 | 2 | 30 | | | | |
| Batch number: L113012AA | Sample number(s): 6451748-6451758,6451763-6451767 UNSPK: 6451753 | | | | | | | | |
| Acetone | 151* | 152* | 52-139 | 1 | 30 | | | | |
| Benzene | 100 | 107 | 80-126 | 7 | 30 | | | | |
| Bromodichloromethane | 87 | 92 | 78-125 | 6 | 30 | | | | |
| Bromoform | 73 | 81 | 60-121 | 11 | 30 | | | | |
| Bromomethane | 87 | 86 | 38-149 | 2 | 30 | | | | |
| 2-Butanone | 97 | 103 | 57-138 | 5 | 30 | | | | |
| Carbon Disulfide | 85 | 93 | 67-135 | 9 | 30 | | | | |
| Carbon Tetrachloride | 102 | 107 | 81-138 | 5 | 30 | | | | |
| Chlorobenzene | 98 | 105 | 87-124 | 8 | 30 | | | | |
| Chloroethane | 82 | 82 | 51-145 | 1 | 30 | | | | |
| Chloroform | 100 | 107 | 81-134 | 7 | 30 | | | | |
| Chloromethane | 81 | 82 | 67-154 | 2 | 30 | | | | |
| Dibromochloromethane | 81 | 89 | 74-116 | 9 | 30 | | | | |
| 1,1-Dichloroethane | 101 | 110 | 84-129 | 8 | 30 | | | | |
| 1,2-Dichloroethane | 98 | 104 | 66-141 | 6 | 30 | | | | |
| 1,1-Dichloroethene | 110 | 116 | 85-142 | 5 | 30 | | | | |
| cis-1,2-Dichloroethene | 99 | 108 | 85-125 | 8 | 30 | | | | |
| trans-1,2-Dichloroethene | 102 | 111 | 87-126 | 8 | 30 | | | | |
| 1,2-Dichloropropane | 93 | 100 | 83-124 | 7 | 30 | | | | |
| cis-1,3-Dichloropropene | 86 | 93 | 75-125 | 8 | 30 | | | | |
| trans-1,3-Dichloropropene | 80 | 87 | 74-119 | 9 | 30 | | | | |
| Ethylbenzene | 97 | 103 | 71-134 | 7 | 30 | | | | |
| 2-Hexanone | 83 | 90 | 55-127 | 7 | 30 | | | | |
| 4-Methyl-2-pentanone | 81 | 87 | 63-123 | 7 | 30 | | | | |
| Methylene Chloride | 100 | 107 | 79-120 | 6 | 30 | | | | |
| Styrene | 90 | 97 | 78-125 | 8 | 30 | | | | |
| 1,1,2,2-Tetrachloroethane | 82 | 90 | 72-128 | 9 | 30 | | | | |
| Tetrachloroethene | 106 | 115 | 80-128 | 8 | 30 | | | | |
| Toluene | 96 | 104 | 80-125 | 8 | 30 | | | | |
| 1,1,1-Trichloroethane | 103 | 108 | 80-143 | 4 | 30 | | | | |
| 1,1,2-Trichloroethane | 93 | 101 | 77-124 | 8 | 30 | | | | |
| Trichloroethene | 102 | 108 | 88-133 | 6 | 30 | | | | |
| Vinyl Chloride | 87 | 88 | 66-133 | 1 | 30 | | | | |
| Xylene (Total) | 96 | 102 | 79-125 | 7 | 30 | | | | |
| Batch number: L113012BA | Sample number(s): 6451760-6451762 UNSPK: 6451760 | | | | | | | | |
| Acetone | 103 | 97 | 52-139 | 7 | 30 | | | | |
| Benzene | 100 | 99 | 80-126 | 1 | 30 | | | | |
| Bromodichloromethane | 87 | 87 | 78-125 | 0 | 30 | | | | |
| Bromoform | 74 | 74 | 60-121 | 1 | 30 | | | | |
| Bromomethane | 85 | 82 | 38-149 | 3 | 30 | | | | |
| 2-Butanone | 82 | 82 | 57-138 | 0 | 30 | | | | |
| Carbon Disulfide | 85 | 86 | 67-135 | 1 | 30 | | | | |
| Carbon Tetrachloride | 103 | 101 | 81-138 | 1 | 30 | | | | |
| Chlorobenzene | 97 | 98 | 87-124 | 1 | 30 | | | | |
| Chloroethane | 84 | 86 | 51-145 | 3 | 30 | | | | |
| Chloroform | 99 | 98 | 81-134 | 1 | 30 | | | | |
| Chloromethane | 81 | 81 | 67-154 | 1 | 30 | | | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1273480
Reported: 11/08/11 at 07:20 PM

### Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| Dibromochloromethane | 82 | 83 | 74-116 | 1 | 30 | | | | |
| 1,1-Dichloroethane | 92 | 93 | 84-129 | 1 | 30 | | | | |
| 1,2-Dichloroethane | 98 | 97 | 66-141 | 0 | 30 | | | | |
| 1,1-Dichloroethene | 120 (2) | 122 (2) | 85-142 | 0 | 30 | | | | |
| cis-1,2-Dichloroethene | 100 | 100 | 85-125 | 0 | 30 | | | | |
| trans-1,2-Dichloroethene | 103 | 103 | 87-126 | 1 | 30 | | | | |
| 1,2-Dichloropropane | 91 | 91 | 83-124 | 0 | 30 | | | | |
| cis-1,3-Dichloropropene | 86 | 86 | 75-125 | 1 | 30 | | | | |
| trans-1,3-Dichloropropene | 79 | 81 | 74-119 | 2 | 30 | | | | |
| Ethylbenzene | 96 | 96 | 71-134 | 1 | 30 | | | | |
| 2-Hexanone | 76 | 76 | 55-127 | 0 | 30 | | | | |
| 4-Methyl-2-pentanone | 80 | 81 | 63-123 | 1 | 30 | | | | |
| Methylene Chloride | 100 | 100 | 79-120 | 1 | 30 | | | | |
| Styrene | 89 | 89 | 78-125 | 0 | 30 | | | | |
| 1,1,2,2-Tetrachloroethane | 83 | 83 | 72-128 | 1 | 30 | | | | |
| Tetrachloroethene | 107 | 109 | 80-128 | 1 | 30 | | | | |
| Toluene | 66* | 55* | 80-125 | 7 | 30 | | | | |
| 1,1,1-Trichloroethane | 110 | 113 | 80-143 | 1 | 30 | | | | |
| 1,1,2-Trichloroethane | 92 | 92 | 77-124 | 0 | 30 | | | | |
| Trichloroethene | 104 | 103 | 88-133 | 1 | 30 | | | | |
| Vinyl Chloride | 85 | 86 | 66-133 | 1 | 30 | | | | |
| Xylene (Total) | 95 | 96 | 79-125 | 1 | 30 | | | | |
| Batch number: L113021AA | Sample number(s): 6451768-6451782 UNSPK: 6451774 | | | | | | | | |
| Acetone | 110 | 114 | 52-139 | 3 | 30 | | | | |
| Benzene | 96 | 96 | 80-126 | 1 | 30 | | | | |
| Bromodichloromethane | 84 | 85 | 78-125 | 0 | 30 | | | | |
| Bromoform | 71 | 74 | 60-121 | 4 | 30 | | | | |
| Bromomethane | 85 | 79 | 38-149 | 8 | 30 | | | | |
| 2-Butanone | 84 | 85 | 57-138 | 1 | 30 | | | | |
| Carbon Disulfide | 78 | 78 | 67-135 | 1 | 30 | | | | |
| Carbon Tetrachloride | 97 | 97 | 81-138 | 0 | 30 | | | | |
| Chlorobenzene | 95 | 96 | 87-124 | 1 | 30 | | | | |
| Chloroethane | 81 | 76 | 51-145 | 6 | 30 | | | | |
| Chloroform | 96 | 96 | 81-134 | 1 | 30 | | | | |
| Chloromethane | 79 | 74 | 67-154 | 7 | 30 | | | | |
| Dibromochloromethane | 80 | 82 | 74-116 | 3 | 30 | | | | |
| 1,1-Dichloroethane | 93 | 94 | 84-129 | 1 | 30 | | | | |
| 1,2-Dichloroethane | 96 | 95 | 66-141 | 1 | 30 | | | | |
| 1,1-Dichloroethene | 105 | 104 | 85-142 | 0 | 30 | | | | |
| cis-1,2-Dichloroethene | 95 | 96 | 85-125 | 0 | 30 | | | | |
| trans-1,2-Dichloroethene | 97 | 97 | 87-126 | 0 | 30 | | | | |
| 1,2-Dichloropropane | 89 | 91 | 83-124 | 2 | 30 | | | | |
| cis-1,3-Dichloropropene | 83 | 85 | 75-125 | 3 | 30 | | | | |
| trans-1,3-Dichloropropene | 78 | 80 | 74-119 | 3 | 30 | | | | |
| Ethylbenzene | 94 | 95 | 71-134 | 1 | 30 | | | | |
| 2-Hexanone | 78 | 79 | 55-127 | 2 | 30 | | | | |
| 4-Methyl-2-pentanone | 79 | 79 | 63-123 | 1 | 30 | | | | |
| Methylene Chloride | 96 | 96 | 79-120 | 1 | 30 | | | | |
| Styrene | 87 | 88 | 78-125 | 1 | 30 | | | | |
| 1,1,2,2-Tetrachloroethane | 81 | 82 | 72-128 | 2 | 30 | | | | |
| Tetrachloroethene | 101 | 104 | 80-128 | 3 | 30 | | | | |
| Toluene | 94 | 96 | 80-125 | 2 | 30 | | | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1273480
Reported: 11/08/11 at 07:20 PM

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 101 | 100 | 80-143 | 1 | 30 | | | | |
| 1,1,2-Trichloroethane | 90 | 92 | 77-124 | 2 | 30 | | | | |
| Trichloroethene | 99 | 97 | 88-133 | 2 | 30 | | | | |
| Vinyl Chloride | 85 | 79 | 66-133 | 8 | 30 | | | | |
| Xylene (Total) | 92 | 94 | 79-125 | 1 | 30 | | | | |

## Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed
unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E113012AA

| | Toluene-d8 |
|---|---|
| 6451748 | 98 |
| 6451749 | 98 |
| 6451750 | 98 |
| 6451751 | 98 |
| 6451752 | 98 |
| 6451753 | 99 |
| 6451754 | 98 |
| 6451755 | 98 |
| 6451756 | 98 |
| 6451757 | 98 |
| 6451758 | 98 |
| 6451759 | 98 |
| 6451763 | 98 |
| 6451764 | 98 |
| 6451765 | 98 |
| 6451766 | 98 |
| 6451767 | 98 |
| 6451769 | 98 |
| 6451770 | 99 |
| 6451771 | 98 |
| 6451772 | 98 |
| Blank | 98 |
| LCS | 98 |
| MS | 98 |
| MSD | 98 |
| Limits: | 80-120 |

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E113021AA

| | Toluene-d8 |
|---|---|
| 6451773 | 98 |
| 6451774 | 99 |
| 6451775 | 99 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1273480
Reported: 11/08/11 at 07:20 PM

## Surrogate Quality Control

| | |
|---|---|
| 6451776 | 98 |
| 6451777 | 98 |
| 6451778 | 98 |
| 6451779 | 99 |
| 6451780 | 99 |
| 6451781 | 99 |
| 6451782 | 98 |
| Blank | 99 |
| LCS | 99 |
| MS | 99 |
| MSD | 98 |
| Limits: | 80-120 |

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E113071AA

| | Toluene-d8 |
|---|---|
| 6451760 | 98 |
| 6451761 | 99 |
| 6451762 | 99 |
| 6451768 | 99 |
| Blank | 99 |
| LCS | 99 |
| MS | 99 |
| MSD | 99 |
| Limits: | 80-120 |

Analysis Name: 8260 Std. Water Master
Batch number: L113012AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| 6451748 | 100 | 103 | 97 | 93 |
| 6451749 | 101 | 104 | 97 | 93 |
| 6451750 | 100 | 103 | 97 | 94 |
| 6451751 | 101 | 102 | 97 | 93 |
| 6451752 | 101 | 104 | 97 | 93 |
| 6451753 | 100 | 104 | 97 | 92 |
| 6451754 | 101 | 104 | 98 | 96 |
| 6451755 | 100 | 102 | 98 | 97 |
| 6451756 | 98 | 103 | 97 | 93 |
| 6451757 | 98 | 103 | 97 | 93 |
| 6451758 | 100 | 101 | 97 | 93 |
| 6451763 | 100 | 102 | 97 | 94 |
| 6451764 | 98 | 101 | 98 | 94 |
| 6451765 | 99 | 101 | 97 | 93 |
| 6451766 | 99 | 102 | 98 | 94 |
| 6451767 | 100 | 102 | 98 | 92 |
| Blank | 99 | 102 | 97 | 93 |
| LCS | 99 | 104 | 98 | 96 |
| MS | 101 | 104 | 98 | 96 |
| MSD | 100 | 102 | 98 | 97 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

Analysis Name: 8260 Std. Water Master
Batch number: L113012BA

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1273480
Reported: 11/08/11 at 07:20 PM

## Surrogate Quality Control

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| 6451760 | 101 | 102 | 97 | 92 |
| 6451761 | 101 | 103 | 98 | 96 |
| 6451762 | 101 | 102 | 98 | 95 |
| Blank | 99 | 102 | 97 | 93 |
| LCS | 99 | 104 | 98 | 96 |
| MS | 101 | 103 | 98 | 96 |
| MSD | 101 | 102 | 98 | 95 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

Analysis Name: 8260 Std. Water Master
Batch number: L113021AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| 6451768 | 100 | 103 | 98 | 93 |
| 6451769 | 99 | 103 | 98 | 93 |
| 6451770 | 99 | 104 | 97 | 93 |
| 6451771 | 101 | 104 | 98 | 93 |
| 6451772 | 100 | 102 | 97 | 93 |
| 6451773 | 101 | 102 | 96 | 93 |
| 6451774 | 101 | 102 | 97 | 92 |
| 6451775 | 100 | 101 | 98 | 96 |
| 6451776 | 100 | 100 | 98 | 97 |
| 6451777 | 98 | 99 | 98 | 92 |
| 6451778 | 99 | 104 | 97 | 92 |
| 6451779 | 99 | 103 | 97 | 93 |
| 6451780 | 101 | 103 | 97 | 93 |
| 6451781 | 100 | 103 | 97 | 94 |
| 6451782 | 100 | 103 | 97 | 93 |
| Blank | 100 | 102 | 98 | 94 |
| LCS | 100 | 102 | 98 | 96 |
| MS | 100 | 101 | 98 | 96 |
| MSD | 100 | 100 | 98 | 97 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

Analysis Name: 8260 Std. Water Master
Batch number: L113042AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| 6451759 | 97 | 101 | 97 | 94 |
| Blank | 98 | 102 | 97 | 94 |
| LCS | 99 | 99 | 98 | 96 |
| LCSD | 98 | 101 | 99 | 96 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 6556 Group# 127348 Sample # 645748-52 **COC #**

Please print. Instructions on reverse side correspond with circled numbers.

**For Lab Use Only**
FSC:
SCR#: 112587

(1) Client: The Johnson Co. Acct. #: 06556
Project Name/#: AD-GA / 1-0145-4 PWSID #:
Project Manager: Glen Kirkpatrick P.O.#: 1-0145-4
Sampler: Tristan Hardy / Maya Quote #:
Name of state where samples were collected:

**Preservation Codes**
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

(6) Temperature of samples upon receipt (if requested)

| (2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | Matrix (4) Soil | Water | Other | Total # of Containers | (5) Analyses Requested — Preservation Codes: 1 | H | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | 8260B | 1,4-Dioxane via SIM | | VOCs (MS/MSD) | | | | | |
| Trip Blank | 10/26/11 | — | X | | | X | | 4 | 2 | 2 | | | | | | | |
| MW-46I | | 1502 | X | | | X | | 6 | 3 | 3 | | | | | | | |
| MW-46D | | 1618 | X | | | X | | 6 | 3 | 3 | | | | | | | |
| MW-5 | | 1722 | X | | | X | | 6 | 3 | 3 | | | | | | | |
| MW-25D | | 0845 | X | | | X | | 6 | 3 | 3 | | | | | | | |
| BR-17 | | 1002 | X | | | X | | ~~6~~ 18 | ~~3~~ 3 | ~~3~~ 3 | | X | | | | | |
| | | | | | | | | | TEH 10/26/11 | | | | | | | | |

Remarks: Please use a PQL of 2ug/L for Vinyl Chloride

collected 10/25/11 per client email work 10/27/11

MS/MSD

(7) **Turnaround Time Requested** (TAT) (please circle): (Normal) Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 802-229-4600 Fax #:
E-mail address: CoAK@comail.com

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg)
Type II (Tier II)
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)
TX TRRP-13
MA MCP CT RCP
SDG Complete? Yes No
Site-specific QC (MS/MSD/Dup)? (Yes) No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No

| Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|
| | 10/13/11 | 12 | | 10/25 | 1600 |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| | 10/26/11 | 1635 | | | |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| | | | | 10/27/11 | 925 |

(9)

# Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 06556 Group# 1773490 Sample # 6451748-52

**COC #**

Please print. Instructions on reverse side correspond with circled numbers.

(1) Client: The Johnson Co Acct. #: 06556

Project Name/#: AD-GA/1-0145-4 PWSID #:

Project Manager: Glen Kirkpatrick P.O.#: 1-0145-4

Sampler: Tristan Hardy Quote #:

Name of state where samples were collected: GA

**For Lab Use Only**

FSC:

SCR#:

**Preservation Codes**

H=HCl T=Thiosulfate

N=$HNO_3$ B=NaOH

S=$H_2SO_4$ O=Other

(6) Temperature of samples upon receipt (if requested)

Please use a PQL of 2ug/L for vinyl chloride

| (2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | Matrix (4): Soil / Water / Other (Potable, NPDES) | Total # of Containers | (5) Analyses Requested — Preservation Codes: 1 | H | SW8260B | 1A Dioxane 1:50 DilSIM | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SBW-Trip Blank | 10/26/11 | — | X | | X | 4 | 2 | 2 | | | |
| SBW-1 | | 1335 | | | | 6 | 3 | 3 | | | |
| SBW-2 | | 1345 | | | | 6 | 3 | 3 | | | |
| SBW-3 | | 1415 | | | | 6 | 3 | 3 | | | |
| SBW-4 | | 1410 | | | | 18 | 9 | 9 | | | MS/MSD |
| DP-5 | | ~~1200~~ 1230 | | | | 6 | 3 | 3 | | | |
| SBW-5 | | ~~1415~~ 1430 | | | | 6 | 3 | 3 | | | |
| SBW-6 | | 1445 | | | | 6 | 3 | 3 | | | |
| SBW-7 | | 0745 | | | | 6 | 3 | 3 | | | |
| SBW-8 | | 1510 | | | | 6 | 3 | 3 | | | |

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush

(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)

Date results are needed:

Rush results requested by (please circle): Phone Fax E-mail

Phone #: Fax #:

E-mail address:

(8) **Data Package Options** (please circle if required)

Type I (validation/NJ Reg)

Type II (Tier II)

Type III (Reduced NJ)

Type IV (CLP SOW)

Type VI (Raw Data Only)

TX TRRP-13

MA MCP CT RCP

SDG Complete? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No

(Yes, indicate QC sample and submit triplicate volume.)

Internal COC Required? Yes / No

(9)

| Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|
| | 10/26/11 | 1630 | | | |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | 10/27/11 | 925 |

# Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 10556 Group# 127390 Sample # 645743-92

**COC #**

Please print. Instructions on reverse side correspond with circled numbers.

**For Lab Use Only**
FSC: _____
SCR#: _____

(1) Client: The Johnson Co. Acct. #: _____
Project Name/#: AD-GA PWSID #: _____
Project Manager: Glen Kirkpatrick P.O.#: _____
Sampler: Trystan Hardy Quote #: _____
Name of state where samples were collected: GA

| (2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | (4) Matrix: Soil | Water (Potable / NPDES) | Other | Total # of Containers | (5) Analyses Requested / Preservation Codes: — | H | 8260B | 1,4 Dioxane 1,3 DL SIM | | | | | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SBW-9 | 10/26/11 | 1525 | X | | | X | | 6 | | 3 | 3 | | | | | | | | | | |
| SBW-10 | " | 1535 | X | | | X | | 6 | | 3 | 3 | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |

**Preservation Codes**
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

(6) Temperature of samples upon receipt (if requested)

(7) **Turnaround Time Requested** (TAT) (please circle): (Normal) Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax E-mail
Phone #: _____ Fax #: _____
E-mail address: _____

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg)
Type II (Tier II)
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)
TX TRRP-13
MA MCP CT RCP
SDG Complete? Yes No
Site-specific QC (MS/MSD/Dup)? (Yes) No
If yes, indicate QC sample and submit triplicate volume.
Internal COC Required? Yes / No _____

| (9) Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|
| | 10/26/11 | 1630 | | | |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | 10/27/11 | 925 |

# Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 6556 Group# 127349 Sample # 6451748-52

**COC #**

Please print. Instructions on reverse side correspond with circled numbers.

(1) Client: The Johnson Co. Acct. #: 06556

Project Name/#: AD-GA/10454 PWSID #:

Project Manager: Glen Kirkpatrick P.O.#:

Sampler: Tristan Hardy Quote #:

Name of state where samples were collected: GA

For Lab Use Only
FSC:
SCR#:

**Preservation Codes**
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

(6) Temperature of samples upon receipt (if requested)

| (2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | Matrix (4) Soil | Water (Potable / NPDES) | Other | Total # of Containers | (5) Analyses Requested: 8260B | 1,4-Dioxane, 1,2,3-TCP, DIC, SIM | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | 1 | H | |
| SW-Trip Blank | 10/26/11 | — | X | | | X | | 4 | 2 | 2 | |
| SW-DS-2 | | 1250 | | | | | | 6 | 3 | 3 | |
| SW-DS-1 | | 1300 | | | | | | 6 | 3 | 3 | |
| SW-0 | | 1310 | | | | | | 6 | 3 | 3 | |
| SW-1 | | 1325 | | | | | | 18 | 9 | 9 | MS/MSD |
| DP-SW | | 1325 | | | | | | 6 | 3 | 3 | |
| SW-2 | | 1400 | | | | | | | | | |
| SW-3 | | 1440 | | | | | | | | | |
| SW-4 | | 1450 | | | | | | | | | |
| ~~SW-5~~ | | ~~1530~~ | | | | | | | | | |
| ~~SW-6~~ | | 1545 | | | | | | | | | |

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone Fax E-mail
Phone #: Fax #:
E-mail address:

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg)
Type II (Tier II)
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)
TX TRRP-13
MA MCP CT RCP
Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No

SDG Complete? Yes No

(9)

| Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|
| | 10/26/11 | 1630 | | | |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | 10/27/11 | 925 |

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300 Fax: (717) 656-6766
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

Issued by Dept. 6042 Management
2102.05

Lancaster Laboratories

# Environmental Sample Administration
# Receipt Documentation Log

**Client/Project:** The Johnson Company

**Date of Receipt:** 10/27/11

**Time of Receipt:** 925

**Source Code:** 50-1

**Shipping Container Sealed:** (YES) NO

**Custody Seal Present * :** (YES) NO

* Custody seal was intact unless otherwise noted in the discrepancy section

**Package:** (Chilled) Not Chilled

| Temperature of Shipping Containers | | | | | | | |
|---|---|---|---|---|---|---|---|
| Cooler # | Thermometer ID | Temperature (°C) | Temp Bottle (TB) or Surface Temp (ST) | Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP) | Ice Present? Y/N | Loose (L) Bagged Ice (B) or NA | Comments |
| 1 | 0429951 | 1.3° | TB | WI | Y | B | |
| 2 | ↓ | 0.8° | ↓ | ↓ | ↓ | ↓ | |
| 3 | ↓ | 1.2° | ↓ | ↓ | ↓ | ↓ | |
| 4 | | | \ | | | | |
| 5 | | | \ | | | | |
| 6 | | | \ | | | | |

**Number of Trip Blanks received NOT listed on chain of custody:** 0

**Paperwork Discrepancy/Unpacking Problems:**

CoC# 273521: MW-5 date = 10/25/11 - ok per client WAK 10/27/11

1 vial of SBW-1 (#38) 10/26/11 1335 = SBW-5 10/26/11 1335

Samples SBW-3 and SBW-7 only received 4 vials (2#38 + 2#40) - correct per client WAK 10/27/11

**Unpacker Signature/Emp#:** 230 **Date/Time:** 10/27/11 1220

Issued by Dept. 6042 Management

2174.06

# Explanation of Symbols and Abbreviations

*The following defines common symbols and abbreviations used in reporting technical data:*

| | | | |
|---|---|---|---|
| **RL** | Reporting Limit | **BMQL** | Below Minimum Quantitation Level |
| **N.D.** | none detected | **MPN** | Most Probable Number |
| **TNTC** | Too Numerous To Count | **CP Units** | cobalt-chloroplatinate units |
| **IU** | International Units | **NTU** | nephelometric turbidity units |
| **umhos/cm** | micromhos/cm | **ng** | nanogram(s) |
| **C** | degrees Celsius | **F** | degrees Fahrenheit |
| **meq** | milliequivalents | **lb.** | pound(s) |
| **g** | gram(s) | **kg** | kilogram(s) |
| **ug** | microgram(s) | **mg** | milligram(s) |
| **ml** | milliliter(s) | **l** | liter(s) |
| **m3** | cubic meter(s) | **ul** | microliter(s) |

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**J** estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

*U.S. EPA CLP Data Qualifiers:*

**Organic Qualifiers**

| | |
|---|---|
| **A** | TIC is a possible aldol-condensation product |
| **B** | Analyte was also detected in the blank |
| **C** | Pesticide result confirmed by GC/MS |
| **D** | Compound quantitated on a diluted sample |
| **E** | Concentration exceeds the calibration range of the instrument |
| **N** | Presumptive evidence of a compound (TICs only) |
| **P** | Concentration difference between primary and confirmation columns >25% |
| **U** | Compound was not detected |
| **X,Y,Z** | Defined in case narrative |

**Inorganic Qualifiers**

| | |
|---|---|
| **B** | Value is <CRDL, but ≥IDL |
| **E** | Estimated due to interference |
| **M** | Duplicate injection precision not met |
| **N** | Spike sample not within control limits |
| **S** | Method of standard additions (MSA) used for calculation |
| **U** | Compound was not detected |
| **W** | Post digestion spike out of control limits |
| ***** | Duplicate analysis not within control limits |
| **+** | Correlation coefficient for MSA <0.995 |

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

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# Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

November 08, 2011

Project: Avery Dennison / Flowery Branch, GA

Submittal Date: 10/28/2011
Group Number: 1273674
PO Number: 1-0145-4
State of Sample Origin: GA

| Client Sample Description | Lancaster Labs (LLI) # |
|---|---|
| Trip Blank Water | 6453237 |
| MW-61 Grab Water | 6453238 |
| MW-63 Grab Water | 6453239 |
| MW-65D Grab Water | 6453240 |
| DP-4 Grab Water | 6453241 |
| MW-32 Grab Water | 6453242 |
| MW-1 Grab Water | 6453243 |
| MW-2 Grab Water | 6453244 |
| MW-3 Grab Water | 6453245 |
| MW-4 Grab Water | 6453246 |
| EB-2 Grab Water | 6453247 |
| WSA-Purge Composite Water | 6453248 |
| SSA-Purge Composite Water | 6453249 |

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO The Johnson Company, Inc. Attn: Glen Kirkpatrick

Lancaster Laboratories

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# Analysis Report

Questions? Contact your Client Services Representative
Wendy A Kozma at (717) 656-2300 Ext. 1522

Respectfully Submitted,

Robin C. Runkle
Senior Specialist

Lancaster Laboratories

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# Analysis Report



**Sample Description: Trip Blank Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6453237**
**LLI Group # 1273674**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/27/2011

Submitted: 10/28/2011 09:10
Reported: 11/08/2011 18:36

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

27-TB

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: Trip Blank Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6453237**
**LLI Group # 1273674**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/27/2011

Submitted: 10/28/2011 09:10
Reported: 11/08/2011 18:36

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

27-TB

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113021AA | 10/29/2011 20:36 | Chelsea B Eastep | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113021AA | 10/29/2011 12:42 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113021AA | 10/29/2011 12:42 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113021AA | 10/29/2011 20:36 | Chelsea B Eastep | 1 |

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# Analysis Report



**Sample Description: MW-61 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6453238**
**LLI Group # 1273674**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 17:50 by TH

Submitted: 10/28/2011 09:10
Reported: 11/08/2011 18:36

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GMW61

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | 15 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-61 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6453238**
**LLI Group # 1273674**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/26/2011 17:50 by TH

Submitted: 10/28/2011 09:10
Reported: 11/08/2011 18:36

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GMW61

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113021AA | 10/29/2011 20:58 | Chelsea B Eastep | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113021AA | 10/29/2011 19:02 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113021AA | 10/29/2011 19:02 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113021AA | 10/29/2011 20:58 | Chelsea B Eastep | 1 |

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# Analysis Report



**Sample Description: MW-63 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6453239**
**LLI Group # 1273674**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/27/2011 07:42 by TH

Submitted: 10/28/2011 09:10
Reported: 11/08/2011 18:36

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GMW63

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 200 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 6 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 2.4 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-63 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6453239**
**LLI Group # 1273674**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/27/2011 07:42 by TH

Submitted: 10/28/2011 09:10
Reported: 11/08/2011 18:36

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GMW63

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113021AA | 10/29/2011 21:20 | Chelsea B Eastep | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113021AA | 10/29/2011 16:22 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113021AA | 10/29/2011 16:22 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113021AA | 10/29/2011 21:20 | Chelsea B Eastep | 1 |

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# Analysis Report



**Sample Description: MW-65D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6453240**
**LLI Group # 1273674**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/27/2011 08:32 by TH

Submitted: 10/28/2011 09:10
Reported: 11/08/2011 18:36

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GM65D

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 32 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 37 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 18 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-65D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6453240**
**LLI Group # 1273674**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/27/2011 08:32 by TH

Submitted: 10/28/2011 09:10
Reported: 11/08/2011 18:36

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GM65D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113021AA | 10/29/2011 21:42 | Chelsea B Eastep | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113021AA | 10/29/2011 16:42 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113021AA | 10/29/2011 16:42 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113021AA | 10/29/2011 21:42 | Chelsea B Eastep | 1 |

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# Analysis Report



**Sample Description: DP-4 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6453241**
**LLI Group # 1273674**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/27/2011 09:00 by TH

Submitted: 10/28/2011 09:10
Reported: 11/08/2011 18:36

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

G-DP4

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 32 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 39 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 17 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: DP-4 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6453241**
**LLI Group # 1273674**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/27/2011 09:00 by TH

Submitted: 10/28/2011 09:10
Reported: 11/08/2011 18:36

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

G-DP4

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113021AA | 10/29/2011 22:04 | Chelsea B Eastep | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113021AA | 10/29/2011 17:02 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113021AA | 10/29/2011 17:02 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113021AA | 10/29/2011 22:04 | Chelsea B Eastep | 1 |

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# Analysis Report



**Sample Description: MW-32 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6453242**
**LLI Group # 1273674**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/27/2011 09:17 by TH

Submitted: 10/28/2011 09:10
Reported: 11/08/2011 18:36

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GMW32

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-32 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6453242**
**LLI Group # 1273674**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/27/2011 09:17 by TH

Submitted: 10/28/2011 09:10
Reported: 11/08/2011 18:36

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GMW32

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113021AA | 10/29/2011 22:26 | Chelsea B Eastep | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113021AA | 10/29/2011 17:22 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113021AA | 10/29/2011 17:22 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113021AA | 10/29/2011 22:26 | Chelsea B Eastep | 1 |

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# Analysis Report



**Sample Description: MW-1 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6453243**
**LLI Group # 1273674**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/27/2011 10:02 by TH

Submitted: 10/28/2011 09:10
Reported: 11/08/2011 18:36

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GMW01

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-1 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6453243**
**LLI Group # 1273674**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/27/2011 10:02 by TH

Submitted: 10/28/2011 09:10
Reported: 11/08/2011 18:36

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GMW01

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113021AA | 10/29/2011 22:48 | Chelsea B Eastep | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113021AA | 10/29/2011 17:42 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113021AA | 10/29/2011 17:42 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113021AA | 10/29/2011 22:48 | Chelsea B Eastep | 1 |

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# Analysis Report



**Sample Description: MW-2 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6453244**
**LLI Group # 1273674**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/27/2011 10:27 by TH

Submitted: 10/28/2011 09:10
Reported: 11/08/2011 18:36

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GMW02

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-2 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6453244**
**LLI Group # 1273674**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/27/2011 10:27 by TH

Submitted: 10/28/2011 09:10
Reported: 11/08/2011 18:36

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GMW02

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113042AA | 10/31/2011 18:24 | Sara E Johnson | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113021AA | 10/29/2011 18:02 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113021AA | 10/29/2011 18:02 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113042AA | 10/31/2011 18:24 | Sara E Johnson | 1 |

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# Analysis Report



**Sample Description: MW-3 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6453245**
**LLI Group # 1273674**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/27/2011 11:07 by TH

Submitted: 10/28/2011 09:10
Reported: 11/08/2011 18:36

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GMW03

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 21 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 180 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 3 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 3.4 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-3 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6453245**
**LLI Group # 1273674**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/27/2011 11:07 by TH

Submitted: 10/28/2011 09:10
Reported: 11/08/2011 18:36

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GMW03

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113042AA | 10/31/2011 18:46 | Sara E Johnson | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113021AA | 10/29/2011 18:22 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113021AA | 10/29/2011 18:22 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113042AA | 10/31/2011 18:46 | Sara E Johnson | 1 |

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# Analysis Report



**Sample Description: MW-4 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6453246**
**LLI Group # 1273674**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/27/2011 12:07 by TH

Submitted: 10/28/2011 09:10
Reported: 11/08/2011 18:36

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GMW04

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-4 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6453246**
**LLI Group # 1273674**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/27/2011 12:07 by TH

Submitted: 10/28/2011 09:10
Reported: 11/08/2011 18:36

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GMW04

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113042AA | 10/31/2011 19:08 | Sara E Johnson | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113021AA | 10/29/2011 18:42 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113021AA | 10/29/2011 18:42 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113042AA | 10/31/2011 19:08 | Sara E Johnson | 1 |

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# Analysis Report



**Sample Description: EB-2 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6453247**
**LLI Group # 1273674**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/27/2011 12:15 by TH

Submitted: 10/28/2011 09:10
Reported: 11/08/2011 18:36

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GMEB2

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: EB-2 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6453247**
**LLI Group # 1273674**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/27/2011 12:15 by TH

Submitted: 10/28/2011 09:10
Reported: 11/08/2011 18:36

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GMEB2

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113042AA | 10/31/2011 19:30 | Sara E Johnson | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E113021AA | 10/29/2011 14:02 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E113021AA | 10/29/2011 14:02 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L113042AA | 10/31/2011 19:30 | Sara E Johnson | 1 |

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# Analysis Report



**Sample Description: WSA-Purge Composite Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6453248**
**LLI Group # 1273674**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/27/2011 12:30 by TH

Submitted: 10/28/2011 09:10
Reported: 11/08/2011 18:36

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

WSAPG

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | 44 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 18 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 61 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 20 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113042AA | 10/31/2011 19:52 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | L113042AA | 10/31/2011 19:52 | Sara E Johnson | 1 |

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# Analysis Report



**Sample Description: SSA-Purge Composite Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6453249**
**LLI Group # 1273674**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/27/2011 12:35 by TH

Submitted: 10/28/2011 09:10
Reported: 11/08/2011 18:36

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SSAPG

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 29 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 8 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L113042AA | 10/31/2011 20:14 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | L113042AA | 10/31/2011 20:14 | Sara E Johnson | 1 |

## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1273674
Reported: 11/08/11 at 06:36 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

## Laboratory Compliance Quality Control

| Analysis Name | Blank Result | Blank LOQ | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: E113021AA | Sample number(s): 6453237-6453247 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 101 | | 80-123 | | |
| Batch number: L113021AA | Sample number(s): 6453237-6453243 | | | | | | | |
| Acetone | < 20 | 20. | ug/l | 120 | | 49-234 | | |
| Benzene | < 5 | 5. | ug/l | 93 | | 79-120 | | |
| Bromodichloromethane | < 5 | 5. | ug/l | 83 | | 80-120 | | |
| Bromoform | < 5 | 5. | ug/l | 75 | | 61-120 | | |
| Bromomethane | < 5 | 5. | ug/l | 78 | | 44-120 | | |
| 2-Butanone | < 10 | 10. | ug/l | 88 | | 66-151 | | |
| Carbon Disulfide | < 5 | 5. | ug/l | 72 | | 62-120 | | |
| Carbon Tetrachloride | < 5 | 5. | ug/l | 91 | | 75-123 | | |
| Chlorobenzene | < 5 | 5. | ug/l | 92 | | 80-120 | | |
| Chloroethane | < 5 | 5. | ug/l | 77 | | 49-129 | | |
| Chloroform | < 5 | 5. | ug/l | 92 | | 77-122 | | |
| Chloromethane | < 5 | 5. | ug/l | 72 | | 60-129 | | |
| Dibromochloromethane | < 5 | 5. | ug/l | 80 | | 80-120 | | |
| 1,1-Dichloroethane | < 5 | 5. | ug/l | 92 | | 79-120 | | |
| 1,2-Dichloroethane | < 5 | 5. | ug/l | 95 | | 70-130 | | |
| 1,1-Dichloroethene | < 2 | 2. | ug/l | 94 | | 74-123 | | |
| cis-1,2-Dichloroethene | < 5 | 5. | ug/l | 92 | | 80-120 | | |
| trans-1,2-Dichloroethene | < 5 | 5. | ug/l | 94 | | 80-120 | | |
| 1,2-Dichloropropane | < 5 | 5. | ug/l | 87 | | 78-120 | | |
| cis-1,3-Dichloropropene | < 5 | 5. | ug/l | 83 | | 80-120 | | |
| trans-1,3-Dichloropropene | < 5 | 5. | ug/l | 80 | | 79-120 | | |
| Ethylbenzene | < 5 | 5. | ug/l | 90 | | 79-120 | | |
| 2-Hexanone | < 10 | 10. | ug/l | 81 | | 65-136 | | |
| 4-Methyl-2-pentanone | < 10 | 10. | ug/l | 81 | | 70-121 | | |
| Methylene Chloride | < 5 | 5. | ug/l | 95 | | 80-120 | | |
| Styrene | < 5 | 5. | ug/l | 84 | | 80-120 | | |
| 1,1,2,2-Tetrachloroethane | < 5 | 5. | ug/l | 83 | | 71-120 | | |
| Tetrachloroethene | < 5 | 5. | ug/l | 97 | | 80-121 | | |
| Toluene | < 5 | 5. | ug/l | 89 | | 79-120 | | |
| 1,1,1-Trichloroethane | < 5 | 5. | ug/l | 92 | | 75-127 | | |
| 1,1,2-Trichloroethane | < 5 | 5. | ug/l | 92 | | 80-120 | | |
| Trichloroethene | < 5 | 5. | ug/l | 92 | | 80-120 | | |
| Vinyl Chloride | < 2 | 2. | ug/l | 75 | | 65-125 | | |
| Xylene (Total) | < 5 | 5. | ug/l | 89 | | 80-120 | | |
| Batch number: L113042AA | Sample number(s): 6453244-6453249 | | | | | | | |
| Acetone | < 20 | 20. | ug/l | 110 | 142 | 49-234 | 25 | 30 |
| Benzene | < 5 | 5. | ug/l | 98 | 96 | 79-120 | 1 | 30 |
| Bromodichloromethane | < 5 | 5. | ug/l | 87 | 87 | 80-120 | 0 | 30 |
| Bromoform | < 5 | 5. | ug/l | 81 | 79 | 61-120 | 2 | 30 |
| Bromomethane | < 5 | 5. | ug/l | 80 | 79 | 44-120 | 2 | 30 |
| 2-Butanone | < 10 | 10. | ug/l | 94 | 103 | 66-151 | 9 | 30 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1273674
Reported: 11/08/11 at 06:36 PM

| Analysis Name | Blank Result | Blank LOQ | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Carbon Disulfide | < 5 | 5. | ug/l | 89 | 89 | 62-120 | 1 | 30 |
| Carbon Tetrachloride | < 5 | 5. | ug/l | 91 | 90 | 75-123 | 2 | 30 |
| Chlorobenzene | < 5 | 5. | ug/l | 96 | 96 | 80-120 | 0 | 30 |
| Chloroethane | < 5 | 5. | ug/l | 75 | 79 | 49-129 | 5 | 30 |
| Chloroform | < 5 | 5. | ug/l | 96 | 95 | 77-122 | 1 | 30 |
| Chloromethane | < 5 | 5. | ug/l | 79 | 79 | 60-129 | 0 | 30 |
| Dibromochloromethane | < 5 | 5. | ug/l | 86 | 86 | 80-120 | 0 | 30 |
| 1,1-Dichloroethane | < 5 | 5. | ug/l | 96 | 95 | 79-120 | 1 | 30 |
| 1,2-Dichloroethane | < 5 | 5. | ug/l | 96 | 94 | 70-130 | 2 | 30 |
| 1,1-Dichloroethene | < 2 | 2. | ug/l | 105 | 100 | 74-123 | 5 | 30 |
| cis-1,2-Dichloroethene | < 5 | 5. | ug/l | 97 | 96 | 80-120 | 1 | 30 |
| trans-1,2-Dichloroethene | < 5 | 5. | ug/l | 99 | 97 | 80-120 | 1 | 30 |
| 1,2-Dichloropropane | < 5 | 5. | ug/l | 93 | 92 | 78-120 | 1 | 30 |
| cis-1,3-Dichloropropene | < 5 | 5. | ug/l | 89 | 89 | 80-120 | 0 | 30 |
| trans-1,3-Dichloropropene | < 5 | 5. | ug/l | 86 | 86 | 79-120 | 0 | 30 |
| Ethylbenzene | < 5 | 5. | ug/l | 93 | 93 | 79-120 | 0 | 30 |
| 2-Hexanone | < 10 | 10. | ug/l | 86 | 89 | 65-136 | 3 | 30 |
| 4-Methyl-2-pentanone | < 10 | 10. | ug/l | 88 | 88 | 70-121 | 0 | 30 |
| Methylene Chloride | < 5 | 5. | ug/l | 101 | 97 | 80-120 | 4 | 30 |
| Styrene | < 5 | 5. | ug/l | 89 | 88 | 80-120 | 1 | 30 |
| 1,1,2,2-Tetrachloroethane | < 5 | 5. | ug/l | 88 | 86 | 71-120 | 2 | 30 |
| Tetrachloroethene | < 5 | 5. | ug/l | 100 | 98 | 80-121 | 2 | 30 |
| Toluene | < 5 | 5. | ug/l | 95 | 95 | 79-120 | 0 | 30 |
| 1,1,1-Trichloroethane | < 5 | 5. | ug/l | 93 | 91 | 75-127 | 2 | 30 |
| 1,1,2-Trichloroethane | < 5 | 5. | ug/l | 95 | 94 | 80-120 | 1 | 30 |
| Trichloroethene | < 5 | 5. | ug/l | 96 | 93 | 80-120 | 4 | 30 |
| Vinyl Chloride | < 2 | 2. | ug/l | 81 | 80 | 65-125 | 1 | 30 |
| Xylene (Total) | < 5 | 5. | ug/l | 94 | 93 | 80-120 | 1 | 30 |

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| Batch number: E113021AA | Sample number(s): 6453237-6453247 UNSPK: P451774 | | | | | | | | |
| 1,4-Dioxane | 101 | 96 | 73-138 | 3 | 30 | | | | |
| Batch number: L113021AA | Sample number(s): 6453237-6453243 UNSPK: P451774 | | | | | | | | |
| Acetone | 110 | 114 | 52-139 | 3 | 30 | | | | |
| Benzene | 96 | 96 | 80-126 | 1 | 30 | | | | |
| Bromodichloromethane | 84 | 85 | 78-125 | 0 | 30 | | | | |
| Bromoform | 71 | 74 | 60-121 | 4 | 30 | | | | |
| Bromomethane | 85 | 79 | 38-149 | 8 | 30 | | | | |
| 2-Butanone | 84 | 85 | 57-138 | 1 | 30 | | | | |
| Carbon Disulfide | 78 | 78 | 67-135 | 1 | 30 | | | | |
| Carbon Tetrachloride | 97 | 97 | 81-138 | 0 | 30 | | | | |
| Chlorobenzene | 95 | 96 | 87-124 | 1 | 30 | | | | |
| Chloroethane | 81 | 76 | 51-145 | 6 | 30 | | | | |
| Chloroform | 96 | 96 | 81-134 | 1 | 30 | | | | |
| Chloromethane | 79 | 74 | 67-154 | 7 | 30 | | | | |
| Dibromochloromethane | 80 | 82 | 74-116 | 3 | 30 | | | | |
| 1,1-Dichloroethane | 93 | 94 | 84-129 | 1 | 30 | | | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1273674
Reported: 11/08/11 at 06:36 PM

### Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloroethane | 96 | 95 | 66-141 | 1 | 30 | | | | |
| 1,1-Dichloroethene | 105 | 104 | 85-142 | 0 | 30 | | | | |
| cis-1,2-Dichloroethene | 95 | 96 | 85-125 | 0 | 30 | | | | |
| trans-1,2-Dichloroethene | 97 | 97 | 87-126 | 0 | 30 | | | | |
| 1,2-Dichloropropane | 89 | 91 | 83-124 | 2 | 30 | | | | |
| cis-1,3-Dichloropropene | 83 | 85 | 75-125 | 3 | 30 | | | | |
| trans-1,3-Dichloropropene | 78 | 80 | 74-119 | 3 | 30 | | | | |
| Ethylbenzene | 94 | 95 | 71-134 | 1 | 30 | | | | |
| 2-Hexanone | 78 | 79 | 55-127 | 2 | 30 | | | | |
| 4-Methyl-2-pentanone | 79 | 79 | 63-123 | 1 | 30 | | | | |
| Methylene Chloride | 96 | 96 | 79-120 | 1 | 30 | | | | |
| Styrene | 87 | 88 | 78-125 | 1 | 30 | | | | |
| 1,1,2,2-Tetrachloroethane | 81 | 82 | 72-128 | 2 | 30 | | | | |
| Tetrachloroethene | 101 | 104 | 80-128 | 3 | 30 | | | | |
| Toluene | 94 | 96 | 80-125 | 2 | 30 | | | | |
| 1,1,1-Trichloroethane | 101 | 100 | 80-143 | 1 | 30 | | | | |
| 1,1,2-Trichloroethane | 90 | 92 | 77-124 | 2 | 30 | | | | |
| Trichloroethene | 99 | 97 | 88-133 | 2 | 30 | | | | |
| Vinyl Chloride | 85 | 79 | 66-133 | 8 | 30 | | | | |
| Xylene (Total) | 92 | 94 | 79-125 | 1 | 30 | | | | |

### Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed
unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E113021AA

| | Toluene-d8 |
|---|---|
| 6453237 | 99 |
| 6453238 | 98 |
| 6453239 | 98 |
| 6453240 | 98 |
| 6453241 | 98 |
| 6453242 | 98 |
| 6453243 | 98 |
| 6453244 | 98 |
| 6453245 | 98 |
| 6453246 | 98 |
| 6453247 | 99 |
| Blank | 99 |
| LCS | 99 |
| MS | 99 |
| MSD | 98 |
| Limits: | 80-120 |

Analysis Name: 8260 Std. Water Master
Batch number: L113021AA

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1273674
Reported: 11/08/11 at 06:36 PM

## Surrogate Quality Control

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| 6453237 | 100 | 102 | 96 | 93 |
| 6453238 | 100 | 104 | 97 | 93 |
| 6453239 | 100 | 103 | 97 | 93 |
| 6453240 | 101 | 100 | 97 | 93 |
| 6453241 | 102 | 103 | 97 | 93 |
| 6453242 | 100 | 104 | 97 | 93 |
| 6453243 | 100 | 103 | 97 | 93 |
| Blank | 100 | 102 | 98 | 94 |
| LCS | 100 | 102 | 98 | 96 |
| MS | 100 | 101 | 98 | 96 |
| MSD | 100 | 100 | 98 | 97 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

Analysis Name: 8260 Std. Water Master
Batch number: L113042AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| 6453244 | 99 | 102 | 97 | 93 |
| 6453245 | 99 | 102 | 97 | 94 |
| 6453246 | 99 | 103 | 97 | 93 |
| 6453247 | 99 | 101 | 97 | 94 |
| 6453248 | 100 | 104 | 97 | 94 |
| 6453249 | 100 | 102 | 97 | 93 |
| Blank | 98 | 102 | 97 | 94 |
| LCS | 99 | 99 | 98 | 96 |
| LCSD | 98 | 101 | 99 | 96 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 06556 Group# 1273674 Sample # 6453237-49

**COC #** 273526

Please print. Instructions on reverse side correspond with circled numbers.

(1) Client: The Johnson Co. Acct. #: 06556

Project Name/#: AD-GA / 1-0145-4 PWSID #:

Project Manager: Glen Kirkpatrick P.O.#: 1-0145-4

Sampler: Tristan Hardy Quote #:

Name of state where samples were collected: GA

For Lab Use Only

FSC:

SCR#:

**Preservation Codes**

H=HCl T=Thiosulfate

N=$HNO_3$ B=NaOH

S=$H_2SO_4$ O=Other

(6) Temperature of samples upon receipt (if requested)

| (2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | Matrix (4) Soil | Water | Other | Potable / NPDES (Check if Applicable) | Total # of Containers | (5) Analyses Requested — Preservation Codes: 1 / H / X | 8260B | 1,4-Dioxane via 1,50 Dil SIM | 8260B TCN 10/27/11 | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Trip Blank | 10/27/11 | — | X | | | X | | | 4 | | 2 | 2 | | |
| MW-61 | 10/26/11 | 1750 | X | | | X | | | 6 | | 3 | 3 | | |
| MW-63 | 10/27/11 | 0742 | X | | | X | | | 6 | | 3 | 3 | | |
| MW-65D | | 0832 | X | | | X | | | 6 | | 3 | 3 | | |
| DP-4 | | 0900 | X | | | X | | | 6 | | 3 | 3 | | |
| MW-32 | | 0917 | X | | | X | | | 6 | | 3 | 3 | | |
| MW-1 | | 1002 | X | | | X | | | 6 | | 3 | 3 | | |
| MW-2 | | 1027 | X | | | X | | | 6 | | 3 | 3 | | |
| MW-3 | | 1107 | X | | | X | | | 6 | | 3 | 3 | | |
| MW-4 | | 1207 | X | | | X | | | 6 | | 3 | 3 | | |

Please use a PQL of 2ug/L for Vinyl Chloride

**Remarks**

(7) **Turnaround Time Requested** (TAT) (please circle): (Normal) Rush

(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)

Date results are needed:

Rush results requested by (please circle): Phone Fax E-mail

Phone #: 802-229-4600 Fax #:

E-mail address: GAK@jcomail.com

(8) **Data Package Options** (please circle if required)

Type I (validation/NJ Reg)

Type II (Tier II)

Type III (Reduced NJ)

Type IV (CLP SOW)

Type VI (Raw Data Only)

TX TRRP-13

MA MCP CT RCP

SDG Complete? (Yes) No

Site-specific QC (MS/MSD/Dup)? (Yes) No

(If yes, indicate QC sample and submit triplicate volume.)

Internal COC Required? Yes / No

| (9) | Date | Time | | Date | Time |
|---|---|---|---|---|---|
| Relinquished by: | 10/27/11 | 1500 | Received by: | | |
| Relinquished by: | | | Received by: | | |
| Relinquished by: | | | Received by: | | |
| Relinquished by: | | | Received by: | | |
| Relinquished by: | | | Received by: | 10/28/11 | 0910 |

# Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 6556 Group# 1273674 Sample # 6453237-49

**COC #** 273527

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: The Johnson Co. Acct. #: 06556
Project Name/#: AD-GA/1-0145-4 PWSID #:
Project Manager: Glen Kirkpatrick P.O.#: 1-0145-4
Sampler: Tristan Hardy Quote #:
Name of state where samples were collected: GA

(5) Analyses Requested — Preservation Codes

For Lab Use Only
FSC:
SCR#:

Preservation Codes
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

(6) Temperature of samples upon receipt (if requested)

| (2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | (4) Matrix: Soil | Water (Potable / NPDES) | Other | Total # of Containers | 8260B | 1,4-Dioxane via Iso Dil SIM | 8260B | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | 1 | H | H | |
| EB-2 | 10/27/11 | 1215 | X | | | X | | 6 | 3 | 3 | | |
| WSA-PURGE | ↓ | 1230 | | X | | X | | 3 | | | 3 | |
| SSA-PURGE | ↓ | 1235 | | X | | X | | 3 | | | 3 | |

(7) **Turnaround Time Requested** (TAT) (please circle): (Normal) Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 302-224-4600 Fax #:
E-mail address: GAK@jcomail.com

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg)
Type II (Tier II)
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)
TX TRRP-13
MA MCP CT RCP
Site-specific QC (MS/MSD/Dup)? (Yes) No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No

SDG Complete? (Yes) No

(9)

| Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|
| | 10/27/11 | 1500 | | | |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | 10/28/11 | 0910 |

Lancaster Laboratories

# Environmental Sample Administration
# Receipt Documentation Log

**Client/Project:** The Johnson Co.

**Date of Receipt:** 10/28/11

**Time of Receipt:** 0910

**Source Code:** 501

**Shipping Container Sealed:** (YES) NO

**Custody Seal Present * :** (YES) NO

* Custody seal was intact unless otherwise noted in the discrepancy section

**Package:** (Chilled) Not Chilled

| Temperature of Shipping Containers | | | | | | | |
|---|---|---|---|---|---|---|---|
| Cooler # | Thermometer ID | Temperature (°C) | Temp Bottle (TB) or Surface Temp (ST) | Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP) | Ice Present? Y/N | Loose (L) Bagged Ice (B) or NA | Comments |
| 1 | 2737 | 2.8 | TB | WI | Y | B | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |

**Number of Trip Blanks received NOT listed on chain of custody:** 6

**Paperwork Discrepancy/Unpacking Problems:**

**Unpacker Signature/Emp#:** [signature] 2316 **Date/Time:** 10/28/11 1130

Issued by Dept. 6042 Management

2174.06

# Explanation of Symbols and Abbreviations

*The following defines common symbols and abbreviations used in reporting technical data:*

| | | | |
|---|---|---|---|
| **RL** | Reporting Limit | **BMQL** | Below Minimum Quantitation Level |
| **N.D.** | none detected | **MPN** | Most Probable Number |
| **TNTC** | Too Numerous To Count | **CP Units** | cobalt-chloroplatinate units |
| **IU** | International Units | **NTU** | nephelometric turbidity units |
| **umhos/cm** | micromhos/cm | **ng** | nanogram(s) |
| **C** | degrees Celsius | **F** | degrees Fahrenheit |
| **meq** | milliequivalents | **lb.** | pound(s) |
| **g** | gram(s) | **kg** | kilogram(s) |
| **ug** | microgram(s) | **mg** | milligram(s) |
| **ml** | milliliter(s) | **l** | liter(s) |
| **m3** | cubic meter(s) | **ul** | microliter(s) |

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**J** estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

*U.S. EPA CLP Data Qualifiers:*

**Organic Qualifiers**

| | |
|---|---|
| **A** | TIC is a possible aldol-condensation product |
| **B** | Analyte was also detected in the blank |
| **C** | Pesticide result confirmed by GC/MS |
| **D** | Compound quantitated on a diluted sample |
| **E** | Concentration exceeds the calibration range of the instrument |
| **N** | Presumptive evidence of a compound (TICs only) |
| **P** | Concentration difference between primary and confirmation columns >25% |
| **U** | Compound was not detected |
| **X,Y,Z** | Defined in case narrative |

**Inorganic Qualifiers**

| | |
|---|---|
| **B** | Value is <CRDL, but ≥IDL |
| **E** | Estimated due to interference |
| **M** | Duplicate injection precision not met |
| **N** | Spike sample not within control limits |
| **S** | Method of standard additions (MSA) used for calculation |
| **U** | Compound was not detected |
| **W** | Post digestion spike out of control limits |
| ***** | Duplicate analysis not within control limits |
| **+** | Correlation coefficient for MSA <0.995 |

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

# Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

November 03, 2011

Project: Avery Dennison / Flowery Branch, GA

Submittal Date: 10/29/2011
Group Number: 1273874
PO Number: 1-0145-4
State of Sample Origin: GA

| Client Sample Description | Lancaster Labs (LLI) # |
|---|---|
| Drum (soil) # Composite Soil Sample | 6454559 |
| Drum (soil) # Composite Soil Sample | 6454560 |

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO The Johnson Company, Inc. Attn: Glen Kirkpatrick

Lancaster Laboratories

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# Analysis Report

Questions? Contact your Client Services Representative
Wendy A Kozma at (717) 656-2300 Ext. 1522

Respectfully Submitted,

Robin C. Runkle
Senior Specialist

Lancaster Laboratories

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# Analysis Report



**Sample Description:** Drum (soil) # Composite Soil Sample
TCLP Non-Volatile Extraction
Avery Dennison / Flowery Branch, GA

**LLI Sample # TL 6454559**
**LLI Group # 1273874**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/28/2011 16:00 by TRO

Submitted: 10/29/2011 09:15
Reported: 11/03/2011 16:03

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **Metals** | | **SW-846 6010B** | **mg/l** | **mg/l** | |
| 07035 | Arsenic | 7440-38-2 | < 0.0200 | 0.0200 | 1 |
| 07046 | Barium | 7440-39-3 | 0.676 | 0.0050 | 1 |
| 07049 | Cadmium | 7440-43-9 | < 0.0050 | 0.0050 | 1 |
| 07051 | Chromium | 7440-47-3 | < 0.0150 | 0.0150 | 1 |
| 07055 | Lead | 7439-92-1 | 0.0229 | 0.0150 | 1 |
| 07036 | Selenium | 7782-49-2 | < 0.0200 | 0.0200 | 1 |
| 07066 | Silver | 7440-22-4 | < 0.0050 | 0.0050 | 1 |
| | | **SW-846 7470A** | **mg/l** | **mg/l** | |
| 00259 | Mercury | 7439-97-6 | < 0.00020 | 0.00020 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

If the analysis is for determination of Hazardous Waste Characteristics, see Table 1 in EPA Code of Federal Regulations 40 CFR 261.24.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 07035 | Arsenic | SW-846 6010B | 1 | 113065705001 | 11/03/2011 01:46 | John W Yanzuk II | 1 |
| 07046 | Barium | SW-846 6010B | 1 | 113065705001 | 11/03/2011 01:46 | John W Yanzuk II | 1 |
| 07049 | Cadmium | SW-846 6010B | 1 | 113065705001 | 11/03/2011 01:46 | John W Yanzuk II | 1 |
| 07051 | Chromium | SW-846 6010B | 1 | 113065705001 | 11/03/2011 01:46 | John W Yanzuk II | 1 |
| 07055 | Lead | SW-846 6010B | 1 | 113065705001 | 11/03/2011 12:48 | Joanne M Gates | 1 |
| 07036 | Selenium | SW-846 6010B | 1 | 113065705001 | 11/03/2011 01:46 | John W Yanzuk II | 1 |
| 07066 | Silver | SW-846 6010B | 1 | 113065705001 | 11/03/2011 01:46 | John W Yanzuk II | 1 |
| 00259 | Mercury | SW-846 7470A | 1 | 113065713001 | 11/03/2011 09:30 | Damary Valentin | 1 |
| 05705 | WW/TL SW 846 ICP Digest (tot) | SW-846 3010A | 1 | 113065705001 | 11/02/2011 14:00 | James L Mertz | 1 |
| 05713 | WW SW846 Hg Digest | SW-846 7470A | 1 | 113065713001 | 11/02/2011 14:55 | Nelli S Markaryan | 1 |
| 00947 | TCLP Non-volatile Extraction | SW-846 1311 | 1 | 11305-482-0947C | 11/01/2011 15:40 | Darin P Wagner | n.a. |

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# Analysis Report



**Sample Description:** Drum (soil) # Composite Soil Sample
TCLP Zero Headspace Extraction
Avery Dennison / Flowery Branch, GA

**LLI Sample # TL 6454560**
**LLI Group # 1273874**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/28/2011 16:00 by TRO

Submitted: 10/29/2011 09:15
Reported: 11/03/2011 16:03

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

DRUMS

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **mg/l** | **mg/l** | |
| 03636 | Benzene | 71-43-2 | < 0.10 | 0.10 | 20 |
| 03636 | 2-Butanone | 78-93-3 | < 0.20 | 0.20 | 20 |
| 03636 | Carbon Tetrachloride | 56-23-5 | < 0.10 | 0.10 | 20 |
| 03636 | Chlorobenzene | 108-90-7 | < 0.10 | 0.10 | 20 |
| 03636 | Chloroform | 67-66-3 | < 0.10 | 0.10 | 20 |
| 03636 | 1,2-Dichloroethane | 107-06-2 | < 0.10 | 0.10 | 20 |
| 03636 | 1,1-Dichloroethene | 75-35-4 | < 0.10 | 0.10 | 20 |
| 03636 | Tetrachloroethene | 127-18-4 | < 0.10 | 0.10 | 20 |
| 03636 | Trichloroethene | 79-01-6 | < 0.10 | 0.10 | 20 |
| 03636 | Vinyl Chloride | 75-01-4 | < 0.10 | 0.10 | 20 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

If the analysis is for determination of Hazardous Waste Characteristics, see Table 1 in EPA Code of Federal Regulations 40 CFR 261.24.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 03636 | TCLP by 8260 | SW-846 8260B | 1 | N113071AA | 11/03/2011 08:50 | Angela D Sneeringer | 20 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | N113071AA | 11/03/2011 08:50 | Angela D Sneeringer | 20 |
| 00946 | TCLP Zero Headspace Extraction | SW-846 1311 | 1 | 11305-2341-0946 | 11/01/2011 16:10 | Roza S Goslawska | n.a. |

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# Analysis Report



## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1273874
Reported: 11/03/11 at 04:03 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

## Laboratory Compliance Quality Control

| Analysis Name | Blank Result | Blank LOQ | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: N113071AA | Sample number(s): 6454560 | | | | | | | |
| Benzene | < 0.005 | 0.005 | mg/l | 97 | | 79-120 | | |
| 2-Butanone | < 0.010 | 0.010 | mg/l | 125 | | 66-151 | | |
| Carbon Tetrachloride | < 0.005 | 0.005 | mg/l | 94 | | 75-123 | | |
| Chlorobenzene | < 0.005 | 0.005 | mg/l | 98 | | 80-120 | | |
| Chloroform | < 0.005 | 0.005 | mg/l | 102 | | 77-122 | | |
| 1,2-Dichloroethane | < 0.005 | 0.005 | mg/l | 112 | | 70-130 | | |
| 1,1-Dichloroethene | < 0.005 | 0.005 | mg/l | 95 | | 74-123 | | |
| Tetrachloroethene | < 0.005 | 0.005 | mg/l | 102 | | 80-121 | | |
| Trichloroethene | < 0.005 | 0.005 | mg/l | 97 | | 80-120 | | |
| Vinyl Chloride | < 0.005 | 0.005 | mg/l | 87 | | 65-125 | | |
| Batch number: 113065705001 | Sample number(s): 6454559 | | | | | | | |
| Arsenic | < 0.0200 | 0.0200 | mg/l | 104 | | 89-115 | | |
| Barium | < 0.0050 | 0.0050 | mg/l | 98 | | 90-110 | | |
| Cadmium | < 0.0050 | 0.0050 | mg/l | 99 | | 90-112 | | |
| Chromium | < 0.0150 | 0.0150 | mg/l | 96 | | 90-110 | | |
| Lead | < 0.0150 | 0.0150 | mg/l | 96 | | 88-110 | | |
| Selenium | < 0.0200 | 0.0200 | mg/l | 107 | | 80-120 | | |
| Silver | < 0.0050 | 0.0050 | mg/l | 100 | | 83-120 | | |
| Batch number: 113065713001 | Sample number(s): 6454559 | | | | | | | |
| Mercury | < 0.00020 | 0.00020 | mg/l | 102 | | 80-120 | | |

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| Batch number: N113071AA | Sample number(s): 6454560 UNSPK: P452186 | | | | | | | | |
| Benzene | 101 | 102 | 80-126 | 1 | 30 | | | | |
| 2-Butanone | 96 | 98 | 57-138 | 2 | 30 | | | | |
| Carbon Tetrachloride | 103 | 104 | 81-138 | 1 | 30 | | | | |
| Chlorobenzene | 102 | 102 | 87-124 | 1 | 30 | | | | |
| Chloroform | 105 | 106 | 81-134 | 1 | 30 | | | | |
| 1,2-Dichloroethane | 112 | 113 | 66-141 | 1 | 30 | | | | |
| 1,1-Dichloroethene | 104 | 105 | 85-142 | 1 | 30 | | | | |
| Tetrachloroethene | 109 | 111 | 80-128 | 1 | 30 | | | | |
| Trichloroethene | 103 | 104 | 88-133 | 1 | 30 | | | | |
| Vinyl Chloride | 99 | 97 | 66-133 | 2 | 30 | | | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1273874
Reported: 11/03/11 at 04:03 PM

### Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| Batch number: 113065705001 | Sample number(s): 6454559 UNSPK: P453645 BKG: P453645 | | | | | | | | |
| Arsenic | 93 | 92 | 75-125 | 1 | 20 | < 0.0200 | < 0.0200 | 0 (1) | 20 |
| Barium | 88 | 88 | 75-125 | 0 | 20 | 0.127 | 0.128 | 1 | 20 |
| Cadmium | 88 | 87 | 75-125 | 1 | 20 | < 0.0050 | < 0.0050 | 0 (1) | 20 |
| Chromium | 86 | 84 | 75-125 | 2 | 20 | < 0.0150 | < 0.0150 | 2 (1) | 20 |
| Lead | 87 | 86 | 75-125 | 2 | 20 | < 0.0150 | < 0.0150 | 12 (1) | 20 |
| Selenium | 92 | 90 | 75-125 | 2 | 20 | < 0.0200 | < 0.0200 | 0 (1) | 20 |
| Silver | 71* | 67* | 75-125 | 6 | 20 | < 0.0050 | < 0.0050 | 0 (1) | 20 |
| Batch number: 113065713001 | Sample number(s): 6454559 UNSPK: P452650 BKG: P452650 | | | | | | | | |
| Mercury | 88 | 86 | 80-120 | 2 | 20 | < 0.00020 | < 0.00020 | 9 (1) | 20 |

### Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: TCLP by 8260
Batch number: N113071AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| 6454560 | 101 | 98 | 97 | 96 |
| Blank | 103 | 98 | 96 | 95 |
| LCS | 104 | 98 | 102 | 100 |
| MS | 102 | 99 | 102 | 100 |
| MSD | 101 | 100 | 100 | 100 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 10556 Group# 1773874 Sample # 6454559-60

**COC #** 272686

Please print. Instructions on reverse side correspond with circled numbers.

**For Lab Use Only**
FSC:
SCR#: 112995

(1)
Client: The Johnson Co Acct. #:
Project Name/#: Avery GA PWSID #:
Project Manager: PetSmart P.O.#: 1-0145-4
Sampler: TRO Quote #:
Name of state where samples were collected: Georgia

(4) Matrix: ☐ Potable ☐ NPDES (Check if Applicable)

(5) Analyses Requested — Preservation Codes

**Preservation Codes**
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other Ice

(6) Temperature of samples upon receipt (if requested)

| (2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | Soil | Water | Other | Total # of Containers | TCLP metals | TCLP/VOCs | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Drum (soil) # | 10-25-11 | 16:00 | | X | X | | | | X | X | |

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone Fax E-mail
Phone #: Fax #:
E-mail address: tro@jcomail.com

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)
Site-specific QC (MS/MSD/Dup)? Yes No
(If yes indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No

SDG Complete? Yes No

(9)

| Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|
| [signature] | 10/27/11 | 9:20 | [signature] | 10/28/11 | 11:00 |
| [signature] | 10/29/11 | 17:00 | | | |
| | | | | | |
| | | | | | |
| | | | [signature] Brandy Bailey | 10-29-11 | 915 |

Lancaster Laboratories

# Environmental Sample Administration
# Receipt Documentation Log

**Client/Project:** The Johnson CO

**Date of Receipt:** 10-29-11

**Time of Receipt:** 915

**Source Code:** 50-1

**Shipping Container Sealed:** (YES) NO

**Custody Seal Present * :** (YES) NO

* Custody seal was intact unless otherwise noted in the discrepancy section

**Package:** (Chilled) Not Chilled

| Temperature of Shipping Containers | | | | | | | |
|---|---|---|---|---|---|---|---|
| Cooler # | Thermometer ID | Temperature (°C) | Temp Bottle (TB) or Surface Temp (ST) | Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP) | Ice Present? Y/N | Loose (L) Bagged Ice (B) or NA | Comments |
| 1 | 2783 | 1.1 | TB | WI | Y | B | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |

**Number of Trip Blanks received NOT listed on chain of custody:** 0

**Paperwork Discrepancy/Unpacking Problems:**

**Unpacker Signature/Emp#:** Brandy Barclay 2299 **Date/Time:** 10-29-11 10:46

Issued by Dept. 6042 Management

# Explanation of Symbols and Abbreviations

*The following defines common symbols and abbreviations used in reporting technical data:*

| | | | |
|---|---|---|---|
| **RL** | Reporting Limit | **BMQL** | Below Minimum Quantitation Level |
| **N.D.** | none detected | **MPN** | Most Probable Number |
| **TNTC** | Too Numerous To Count | **CP Units** | cobalt-chloroplatinate units |
| **IU** | International Units | **NTU** | nephelometric turbidity units |
| **umhos/cm** | micromhos/cm | **ng** | nanogram(s) |
| **C** | degrees Celsius | **F** | degrees Fahrenheit |
| **meq** | milliequivalents | **lb.** | pound(s) |
| **g** | gram(s) | **kg** | kilogram(s) |
| **ug** | microgram(s) | **mg** | milligram(s) |
| **ml** | milliliter(s) | **l** | liter(s) |
| **m3** | cubic meter(s) | **ul** | microliter(s) |

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**J** estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

*U.S. EPA CLP Data Qualifiers:*

**Organic Qualifiers**

| | |
|---|---|
| **A** | TIC is a possible aldol-condensation product |
| **B** | Analyte was also detected in the blank |
| **C** | Pesticide result confirmed by GC/MS |
| **D** | Compound quantitated on a diluted sample |
| **E** | Concentration exceeds the calibration range of the instrument |
| **N** | Presumptive evidence of a compound (TICs only) |
| **P** | Concentration difference between primary and confirmation columns >25% |
| **U** | Compound was not detected |
| **X,Y,Z** | Defined in case narrative |

**Inorganic Qualifiers**

| | |
|---|---|
| **B** | Value is <CRDL, but ≥IDL |
| **E** | Estimated due to interference |
| **M** | Duplicate injection precision not met |
| **N** | Spike sample not within control limits |
| **S** | Method of standard additions (MSA) used for calculation |
| **U** | Compound was not detected |
| **W** | Post digestion spike out of control limits |
| ***** | Duplicate analysis not within control limits |
| **+** | Correlation coefficient for MSA <0.995 |

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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# Spring 2012
# Laboratory Analysis Reports

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

April 29, 2012

Project: Avery Dennison / Flowery Branch, GA

Submittal Date: 04/19/2012
Group Number: 1303310
PO Number: 1-0145-4
State of Sample Origin: GA

| Client Sample Description | Lancaster Labs (LLI) # |
|---|---|
| Trip Blank Grab Water | 6622161 |
| MW-48D Grab Water | 6622162 |
| MW-48S Grab Water | 6622163 |
| DP-2 Grab Water | 6622164 |
| BR-24 Grab Water | 6622165 |
| MW-23 Grab Water | 6622166 |
| MW-63 Grab Water | 6622167 |
| MW-65D Grab Water | 6622168 |
| DP-4 Grab Water | 6622169 |
| MW-66 Grab Water | 6622170 |

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO The Johnson Company, Inc. Attn: Glen Kirkpatrick

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Respectfully Submitted,



Wendy A. Kozma
Principal Specialist Group Leader

(717) 556-7257

eurofins | Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

# Analysis Report



**Sample Description: Trip Blank Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6622161**
**LLI Group # 1303310**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/18/2012

Submitted: 04/19/2012 09:10
Reported: 04/29/2012 17:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBGTB

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: Trip Blank Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6622161**
**LLI Group # 1303310**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/18/2012

Submitted: 04/19/2012 09:10
Reported: 04/29/2012 17:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBGTB

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121142AA | 04/24/2012 02:10 | Sara E Johnson | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121121AA | 04/21/2012 11:01 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121121AA | 04/21/2012 11:01 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121142AA | 04/24/2012 02:10 | Sara E Johnson | 1 |

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# Analysis Report



**Sample Description: MW-48D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6622162**
**LLI Group # 1303310**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/18/2012 10:42 by TH

Submitted: 04/19/2012 09:10
Reported: 04/29/2012 17:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FB48D

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 89 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 960 | 20 | 10 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 480 | 50 | 10 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 410 | 100 | 50 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-48D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6622162**
**LLI Group # 1303310**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/18/2012 10:42 by TH

Submitted: 04/19/2012 09:10
Reported: 04/29/2012 17:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FB48D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121142AA | 04/24/2012 02:33 | Sara E Johnson | 1 |
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121142AA | 04/24/2012 02:57 | Sara E Johnson | 10 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121121AA | 04/21/2012 18:21 | Jason M Long | 50 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121121AA | 04/21/2012 18:21 | Jason M Long | 50 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121142AA | 04/24/2012 02:33 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 3 | T121142AA | 04/24/2012 02:57 | Sara E Johnson | 10 |

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# Analysis Report



**Sample Description: MW-48S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6622163**
**LLI Group # 1303310**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/18/2012 11:32 by TH

Submitted: 04/19/2012 09:10
Reported: 04/29/2012 17:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FB48S

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 95 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 910 | 20 | 10 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 250 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 6 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 250 | 50 | 25 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-48S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6622163**
**LLI Group # 1303310**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/18/2012 11:32 by TH

Submitted: 04/19/2012 09:10
Reported: 04/29/2012 17:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FB48S

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121142AA | 04/24/2012 03:21 | Sara E Johnson | 1 |
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121151AA | 04/24/2012 13:28 | Anita M Dale | 10 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121121AA | 04/21/2012 18:00 | Jason M Long | 25 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121121AA | 04/21/2012 18:00 | Jason M Long | 25 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121142AA | 04/24/2012 03:21 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 3 | T121151AA | 04/24/2012 13:28 | Anita M Dale | 10 |

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# Analysis Report



**Sample Description: DP-2 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6622164**
**LLI Group # 1303310**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/18/2012 12:00 by TH

Submitted: 04/19/2012 09:10
Reported: 04/29/2012 17:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBDP2

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 95 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 890 | 20 | 10 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 250 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 6 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 280 | 100 | 50 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: DP-2 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6622164**
**LLI Group # 1303310**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/18/2012 12:00 by TH

Submitted: 04/19/2012 09:10
Reported: 04/29/2012 17:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBDP2

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121142AA | 04/24/2012 03:45 | Sara E Johnson | 1 |
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121151AA | 04/24/2012 13:52 | Anita M Dale | 10 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121141AA | 04/23/2012 14:02 | Jason M Long | 50 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121141AA | 04/23/2012 14:02 | Jason M Long | 50 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121142AA | 04/24/2012 03:45 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 3 | T121151AA | 04/24/2012 13:52 | Anita M Dale | 10 |

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# Analysis Report



**Sample Description: BR-24 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6622165**
**LLI Group # 1303310**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/18/2012 14:02 by TH

Submitted: 04/19/2012 09:10
Reported: 04/29/2012 17:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBB24

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: BR-24 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6622165**
**LLI Group # 1303310**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/18/2012 14:02 by TH

Submitted: 04/19/2012 09:10
Reported: 04/29/2012 17:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBB24

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121142AA | 04/24/2012 04:09 | Sara E Johnson | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121121AA | 04/21/2012 11:41 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121121AA | 04/21/2012 11:41 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121142AA | 04/24/2012 04:09 | Sara E Johnson | 1 |

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# Analysis Report



**Sample Description: MW-23 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6622166**
**LLI Group # 1303310**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/18/2012 15:22 by TH

Submitted: 04/19/2012 09:10
Reported: 04/29/2012 17:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBM23

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-23 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6622166**
**LLI Group # 1303310**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/18/2012 15:22 by TH

Submitted: 04/19/2012 09:10
Reported: 04/29/2012 17:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBM23

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121142AA | 04/24/2012 04:33 | Sara E Johnson | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121141AA | 04/23/2012 13:22 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121141AA | 04/23/2012 13:22 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121142AA | 04/24/2012 04:33 | Sara E Johnson | 1 |

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# Analysis Report



**Sample Description: MW-63 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6622167**
**LLI Group # 1303310**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/18/2012 11:05 by RP

Submitted: 04/19/2012 09:10
Reported: 04/29/2012 17:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBM63

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 15 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 300 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 52 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 5.2 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-63 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6622167**
**LLI Group # 1303310**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/18/2012 11:05 by RP

Submitted: 04/19/2012 09:10
Reported: 04/29/2012 17:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBM63

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121142AA | 04/24/2012 04:57 | Sara E Johnson | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121141AA | 04/23/2012 13:01 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121141AA | 04/23/2012 13:01 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121142AA | 04/24/2012 04:57 | Sara E Johnson | 1 |

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# Analysis Report



**Sample Description: MW-65D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6622168**
**LLI Group # 1303310**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/18/2012 13:25 by RP

Submitted: 04/19/2012 09:10
Reported: 04/29/2012 17:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FB66D

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 14 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 34 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 7.3 | 4.0 | 2 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-65D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6622168**
**LLI Group # 1303310**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/18/2012 13:25 by RP

Submitted: 04/19/2012 09:10
Reported: 04/29/2012 17:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FB66D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121142AA | 04/24/2012 05:21 | Sara E Johnson | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121121AA | 04/21/2012 16:41 | Jason M Long | 2 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121121AA | 04/21/2012 16:41 | Jason M Long | 2 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121142AA | 04/24/2012 05:21 | Sara E Johnson | 1 |

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# Analysis Report



**Sample Description: DP-4 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6622169**
**LLI Group # 1303310**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/18/2012 14:00 by RP

Submitted: 04/19/2012 09:10
Reported: 04/29/2012 17:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBDP4

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 13 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 35 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 6.3 | 4.0 | 2 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: DP-4 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6622169**
**LLI Group # 1303310**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/18/2012 14:00 by RP

Submitted: 04/19/2012 09:10
Reported: 04/29/2012 17:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBDP4

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121142AA | 04/24/2012 05:45 | Sara E Johnson | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121121AA | 04/21/2012 17:01 | Jason M Long | 2 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121121AA | 04/21/2012 17:01 | Jason M Long | 2 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121142AA | 04/24/2012 05:45 | Sara E Johnson | 1 |

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# Analysis Report



**Sample Description: MW-66 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6622170**
**LLI Group # 1303310**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/18/2012 14:55 by RP

Submitted: 04/19/2012 09:10
Reported: 04/29/2012 17:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBM66

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 3.4 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-66 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6622170**
**LLI Group # 1303310**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/18/2012 14:55 by RP

Submitted: 04/19/2012 09:10
Reported: 04/29/2012 17:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBM66

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121142AA | 04/24/2012 06:09 | Sara E Johnson | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121141AA | 04/23/2012 13:42 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121141AA | 04/23/2012 13:42 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121142AA | 04/24/2012 06:09 | Sara E Johnson | 1 |

## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1303310
Reported: 04/29/12 at 05:43 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

## Laboratory Compliance Quality Control

| Analysis Name | Blank Result | Blank LOQ | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: E121121AA | Sample number(s): 6622161-6622163,6622165,6622168-6622169 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 108 | | 80-123 | | |
| Batch number: E121141AA | Sample number(s): 6622164,6622166-6622167,6622170 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 116 | 117 | 80-123 | 1 | 30 |
| Batch number: T121142AA | Sample number(s): 6622161-6622170 | | | | | | | |
| Acetone | < 20 | 20. | ug/l | 112 | 110 | 38-212 | 1 | 30 |
| Benzene | < 5 | 5. | ug/l | 104 | 103 | 77-121 | 1 | 30 |
| Bromodichloromethane | < 5 | 5. | ug/l | 107 | 106 | 73-120 | 0 | 30 |
| Bromoform | < 5 | 5. | ug/l | 95 | 98 | 61-120 | 3 | 30 |
| Bromomethane | < 5 | 5. | ug/l | 95 | 91 | 44-120 | 4 | 30 |
| 2-Butanone | < 10 | 10. | ug/l | 109 | 109 | 53-155 | 0 | 30 |
| Carbon Disulfide | < 5 | 5. | ug/l | 94 | 95 | 62-125 | 1 | 30 |
| Carbon Tetrachloride | < 5 | 5. | ug/l | 115 | 112 | 67-122 | 3 | 30 |
| Chlorobenzene | < 5 | 5. | ug/l | 103 | 101 | 80-120 | 2 | 30 |
| Chloroethane | < 5 | 5. | ug/l | 92 | 92 | 49-129 | 0 | 30 |
| Chloroform | < 5 | 5. | ug/l | 112 | 110 | 77-122 | 1 | 30 |
| Chloromethane | < 5 | 5. | ug/l | 96 | 94 | 60-129 | 2 | 30 |
| Dibromochloromethane | < 5 | 5. | ug/l | 106 | 107 | 72-120 | 1 | 30 |
| 1,1-Dichloroethane | < 5 | 5. | ug/l | 106 | 105 | 79-120 | 1 | 30 |
| 1,2-Dichloroethane | < 5 | 5. | ug/l | 121 | 120 | 64-130 | 1 | 30 |
| 1,1-Dichloroethene | < 2 | 2. | ug/l | 98 | 97 | 80-120 | 1 | 30 |
| cis-1,2-Dichloroethene | < 5 | 5. | ug/l | 103 | 101 | 80-120 | 2 | 30 |
| trans-1,2-Dichloroethene | < 5 | 5. | ug/l | 100 | 101 | 80-120 | 1 | 30 |
| 1,2-Dichloropropane | < 5 | 5. | ug/l | 100 | 102 | 80-120 | 2 | 30 |
| cis-1,3-Dichloropropene | < 5 | 5. | ug/l | 108 | 107 | 78-120 | 2 | 30 |
| trans-1,3-Dichloropropene | < 5 | 5. | ug/l | 112 | 109 | 79-120 | 3 | 30 |
| Ethylbenzene | < 5 | 5. | ug/l | 97 | 97 | 79-120 | 0 | 30 |
| 2-Hexanone | < 10 | 10. | ug/l | 98 | 97 | 53-139 | 1 | 30 |
| 4-Methyl-2-pentanone | < 10 | 10. | ug/l | 96 | 96 | 58-133 | 1 | 30 |
| Methylene Chloride | < 5 | 5. | ug/l | 106 | 104 | 80-126 | 2 | 30 |
| Styrene | < 5 | 5. | ug/l | 98 | 97 | 77-120 | 1 | 30 |
| 1,1,2,2-Tetrachloroethane | < 5 | 5. | ug/l | 110 | 108 | 75-123 | 2 | 30 |
| Tetrachloroethene | < 5 | 5. | ug/l | 101 | 100 | 79-120 | 1 | 30 |
| Toluene | < 5 | 5. | ug/l | 105 | 103 | 79-120 | 2 | 30 |
| 1,1,1-Trichloroethane | < 5 | 5. | ug/l | 113 | 114 | 70-121 | 0 | 30 |
| 1,1,2-Trichloroethane | < 5 | 5. | ug/l | 104 | 105 | 80-120 | 1 | 30 |
| Trichloroethene | < 5 | 5. | ug/l | 103 | 102 | 80-120 | 1 | 30 |
| Vinyl Chloride | < 2 | 2. | ug/l | 92 | 91 | 56-123 | 1 | 30 |
| Xylene (Total) | < 5 | 5. | ug/l | 98 | 98 | 77-120 | 0 | 30 |
| Batch number: T121151AA | Sample number(s): 6622163-6622164 | | | | | | | |
| 1,1-Dichloroethene | < 2 | 2. | ug/l | 99 | | 80-120 | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1303310
Reported: 04/29/12 at 05:43 PM

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| Batch number: E121121AA | Sample number(s): 6622161-6622163,6622165,6622168-6622169 UNSPK: P623691 | | | | | | | | |
| 1,4-Dioxane | 115 | 114 | 73-138 | 0 | 30 | | | | |
| Batch number: T121151AA | Sample number(s): 6622163-6622164 UNSPK: P623691 | | | | | | | | |
| 1,1-Dichloroethene | 106 | 107 | 85-142 | 1 | 30 | | | | |

## Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed
unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E121121AA

| | Toluene-d8 |
|---|---|
| 6622161 | 94 |
| 6622162 | 94 |
| 6622163 | 94 |
| 6622165 | 94 |
| 6622168 | 94 |
| 6622169 | 94 |
| Blank | 94 |
| LCS | 94 |
| MS | 93 |
| MSD | 94 |
| Limits: | 80-120 |

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E121141AA

| | Toluene-d8 |
|---|---|
| 6622164 | 94 |
| 6622166 | 94 |
| 6622167 | 94 |
| 6622170 | 94 |
| Blank | 94 |
| LCS | 94 |
| LCSD | 94 |
| Limits: | 80-120 |

Analysis Name: 8260 Std. Water Master
Batch number: T121142AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| 6622161 | 105 | 95 | 97 | 101 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1303310
Reported: 04/29/12 at 05:43 PM

## Surrogate Quality Control

| | | | | |
|---|---|---|---|---|
| 6622162 | 109 | 97 | 99 | 106 |
| 6622163 | 106 | 95 | 98 | 103 |
| 6622164 | 109 | 98 | 98 | 103 |
| 6622165 | 107 | 97 | 98 | 103 |
| 6622166 | 107 | 95 | 98 | 103 |
| 6622167 | 108 | 93 | 97 | 102 |
| 6622168 | 107 | 97 | 97 | 100 |
| 6622169 | 108 | 97 | 95 | 101 |
| 6622170 | 107 | 95 | 97 | 103 |
| Blank | 103 | 95 | 99 | 101 |
| LCS | 102 | 97 | 99 | 104 |
| LCSD | 102 | 96 | 100 | 104 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

Analysis Name: 8260 Master Scan (water)
Batch number: T121151AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| Blank | 105 | 96 | 98 | 103 |
| LCS | 104 | 96 | 98 | 105 |
| MS | 104 | 95 | 100 | 103 |
| MSD | 102 | 96 | 99 | 105 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Environmental Analysis Request/Chain of Custody

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Acct. # 6556 Group # 1303310 Sample # 6622161-70

**COC # 305017**

Please print. Instructions on reverse side correspond with circled numbers.

(1) Client: The Johnson Co. Acct. #: 06556

Project Name/#: AD-GA / 1-0145-4 PWSID #:

Project Manager: Glen Kirkpatrick P.O.#:

Sampler: Tristan Hardy Quote #:

Name of state where samples were collected: GA

For Lab Use Only
FSC:
SCR#:

**Preservation Codes**
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

Please use a PQL of 2 µg/L for Vinyl Chloride

**Remarks**

(6) Temperature of samples upon receipt (if requested)

| (2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | (4) Matrix: Soil | Sediment | Water | Ground | Surface | Potable | NPDES | Other: Lab DI $H_2O$ | Total # of Containers | (5) Analyses Requested: 8260 — Preservation Codes: — | 8260 — Preservation Codes: H | 1,4-Dioxane by 1SO DI SIM — Preservation Codes: H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TRIP BLANK | 4/18/12 | — | X | | TEH | | X | | | | | X | 4 | 2 | 2 | |
| MW-48D | 4/18/12 | 1042 | X | | | | X | | | | | | 6 | 3 | 3 | |
| MW-48S | 4/18/12 | 1132 | X | | | | X | | | | | | 6 | 3 | 3 | |
| DP-2 | 4/18/12 | 1200 | X | | | | X | | | | | | 6 | 3 | 3 | |
| BR-24 | 4/18/12 | 1402 | X | | | | X | | | | | | 6 | 3 | 3 | |
| MW-23 | 4/18/12 | 1522 | X | | | | X | | | | | | 6 | 3 | 3 | |

(7) **Turnaround Time Requested** (TAT) (please circle): (Standard) Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone E-mail
Phone #: 802-229-4600
E-mail address: GAK@jcomail.com

(8) **Data Package Options** (please circle if required)
Type I (Validation/non-CLP) MA MCP CT RCP
Type III (Reduced non-CLP)
Type IV (CLP SOW)
Type VI (Raw Data Only)
TX TRRP-13

EDD Required? (Yes) No

Site-specific QC (MS/MSD/Dup)? (Yes) No
(if yes, indicate QC sample and submit triplicate sample volume)

(9)

| Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|
| | 4/18/12 | 1600 | | | |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: Burnett Bush | 4/19/12 | 910 |

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# Environmental Analysis Request/Chain of Custody

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Acct. # 6556 Group # 1303310 Sample # 6622161-70

**COC # 305016**

Please print. Instructions on reverse side correspond with circled numbers.

(1) Client: The Johnson Co. Acct. #: 06556

Project Name/#: AD-GA / 1-0145-4 PWSID #:

Project Manager: Glen Kirkpatrick P.O.#:

Sampler: Ross Bredom Quote #:

Name of state where samples were collected: GA

For Lab Use Only
FSC:
SCR#:

**Preservation Codes**
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

Remarks: Please use a PQL of 2 µg/L for Vinyl Chloride

(6) Temperature of samples upon receipt (if requested)

| (2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | Matrix: Soil | Sediment | Water: Potable | Ground | Surface | NPDES | Other: | (4) Total # of Containers | (5) Analyses Requested: 8260 | 1,4 Dioxane by 1SO DIL SIM | Preservation Codes: - | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-63 | 4-18-12 | 1105 | X | | | | | X | | | | 6 | X | X | | |
| MW-65D | 4-18-12 | 1325 | X | | | | | X | | | | 6 | X | X | | |
| DP-4 | 4-18-12 | 1400 | X | | | | | X | | | | 6 | X | X | | |
| MW-66 | 4-18-12 | 1455 | X | | | | | X | | | | 6 | X | X | | |

(7) **Turnaround Time Requested** (TAT) (please circle): (Standard) Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone E-mail
Phone #: 802-229-4600
E-mail address: GAK@jcomail.com

(8) **Data Package Options** (please circle if required)
Type I (Validation/non-CLP) MA MCP CT RCP
Type III (Reduced non-CLP)
Type IV (CLP SOW)
Type VI (Raw Data Only)
TX TRRP-13

EDD Required? (Yes) No

Site-specific QC (MS/MSD/Dup)? (Yes) No
(if yes, indicate QC sample and submit triplicate sample volume)

| (9) | Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|---|
| | | 4-18-12 | 1600 | | | |
| | Relinquished by: | Date | Time | Received by: | Date | Time |
| | Relinquished by: | Date | Time | Received by: | Date | Time |
| | Relinquished by: | Date | Time | Received by: | Date | Time |
| | Relinquished by: | Date | Time | Received by: | 4-19-12 | 910 |

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The white copy should accompany samples to Lancaster Laboratories. The yellow copy should be retained by the client.

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7044.01

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# Environmental Sample Administration
# Receipt Documentation Log

**Client/Project:** The Johnson CO

**Date of Receipt:** 4.19.12

**Time of Receipt:** 910

**Source Code:** 50-1

**Shipping Container Sealed:** (YES) NO

**Custody Seal Present * :** (YES) NO

* Custody seal was intact unless otherwise noted in the discrepancy section

**Package:** (Chilled) Not Chilled

| Temperature of Shipping Containers | | | | | | | |
|---|---|---|---|---|---|---|---|
| Cooler # | Thermometer ID | Temperature (°C) | Temp Bottle (TB) or Surface Temp (ST) | Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP) | Ice Present? Y/N | Loose (L) Bagged Ice (B) or NA | Comments |
| 1 | 2783 | 1.2 | TB | WI | Y | B | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |

**Number of Trip Blanks received NOT listed on chain of custody:** 0

**Paperwork Discrepancy/Unpacking Problems:**

**Unpacker Signature/Emp#:** Brumely Barely 2299 **Date/Time:** 4-19-12 1036

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# Explanation of Symbols and Abbreviations

*The following defines common symbols and abbreviations used in reporting technical data:*

| | | | |
|---|---|---|---|
| **RL** | Reporting Limit | **BMQL** | Below Minimum Quantitation Level |
| **N.D.** | none detected | **MPN** | Most Probable Number |
| **TNTC** | Too Numerous To Count | **CP Units** | cobalt-chloroplatinate units |
| **IU** | International Units | **NTU** | nephelometric turbidity units |
| **umhos/cm** | micromhos/cm | **ng** | nanogram(s) |
| **C** | degrees Celsius | **F** | degrees Fahrenheit |
| **meq** | milliequivalents | **lb.** | pound(s) |
| **g** | gram(s) | **kg** | kilogram(s) |
| **µg** | microgram(s) | **mg** | milligram(s) |
| **mL** | milliliter(s) | **L** | liter(s) |
| **m3** | cubic meter(s) | **µL** | microliter(s) |
| | | **pg/L** | picogram/liter |

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

*Data Qualifiers:*

**C –** result confirmed by reanalysis.

**J -** estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

*U.S. EPA CLP Data Qualifiers:*

| **Organic Qualifiers** | | **Inorganic Qualifiers** | |
|---|---|---|---|
| **A** | TIC is a possible aldol-condensation product | **B** | Value is <CRDL, but ≥IDL |
| **B** | Analyte was also detected in the blank | **E** | Estimated due to interference |
| **C** | Pesticide result confirmed by GC/MS | **M** | Duplicate injection precision not met |
| **D** | Compound quantitated on a diluted sample | **N** | Spike sample not within control limits |
| **E** | Concentration exceeds the calibration range of the instrument | **S** | Method of standard additions (MSA) used for calculation |
| **N** | Presumptive evidence of a compound (TICs only) | **U** | Compound was not detected |
| **P** | Concentration difference between primary and confirmation columns >25% | **W** | Post digestion spike out of control limits |
| **U** | Compound was not detected | ***** | Duplicate analysis not within control limits |
| **X,Y,Z** | Defined in case narrative | **+** | Correlation coefficient for MSA <0.995 |

**Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.**

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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# Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

April 29, 2012

Project: Avery Dennison / Flowery Branch, GA

Submittal Date: 04/20/2012
Group Number: 1303626
PO Number: 1-0145-4
State of Sample Origin: GA

| Client Sample Description | Lancaster Labs (LLI) # |
|---|---|
| Trip Blank Water | 6623690 |
| BR-4D Grab Water | 6623691 |
| BR-4DMS Grab Water | 6623692 |
| BR-4DMSD Grab Water | 6623693 |
| MW-47D Grab Water | 6623694 |
| MW-47S Grab Water | 6623695 |
| BR-4S Grab Water | 6623696 |
| MW-1 Grab Water | 6623697 |
| MW-2 Grab Water | 6623698 |
| MW-4 Grab Water | 6623699 |
| MW-3 Grab Water | 6623700 |
| MW-5 Grab Water | 6623701 |

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO The Johnson Company, Inc. Attn: Glen Kirkpatrick

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Respectfully Submitted,



Wendy A. Kozma
Principal Specialist Group Leader

(717) 556-7257

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# Analysis Report



**Sample Description: Trip Blank Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6623690**
**LLI Group # 1303626**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/19/2012

Submitted: 04/20/2012 09:15
Reported: 04/29/2012 17:44

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBTB-

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: Trip Blank Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6623690**
**LLI Group # 1303626**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/19/2012

Submitted: 04/20/2012 09:15
Reported: 04/29/2012 17:44

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBTB-

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121151AA | 04/24/2012 11:52 | Anita M Dale | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121121AA | 04/21/2012 11:21 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121121AA | 04/21/2012 11:21 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121151AA | 04/24/2012 11:52 | Anita M Dale | 1 |

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# Analysis Report



**Sample Description: BR-4D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6623691**
**LLI Group # 1303626**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/19/2012 11:42 by TH

Submitted: 04/20/2012 09:15
Reported: 04/29/2012 17:44

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBB4D

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: BR-4D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6623691**
**LLI Group # 1303626**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/19/2012 11:42 by TH

Submitted: 04/20/2012 09:15
Reported: 04/29/2012 17:44

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBB4D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121151AA | 04/24/2012 12:16 | Anita M Dale | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121121AA | 04/21/2012 12:01 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121121AA | 04/21/2012 12:01 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121151AA | 04/24/2012 12:16 | Anita M Dale | 1 |

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# Analysis Report



**Sample Description: BR-4DMS Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6623692**
**LLI Group # 1303626**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/19/2012 11:42 by TH

Submitted: 04/20/2012 09:15
Reported: 04/29/2012 17:44

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100 State Street
Montpelier VT 05602

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| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | 150 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | 23 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | 23 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | 19 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | 21 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | 160 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | 21 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | 25 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | 22 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 20 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | 24 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | 22 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | 22 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 23 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | 27 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 21 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | 22 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | 22 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | 22 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | 22 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | 23 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | 21 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | 97 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | 98 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | 22 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | 20 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 23 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | 22 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | 22 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 25 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | 21 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | 22 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 21 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | 62 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 5.7 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: BR-4DMS Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6623692**
**LLI Group # 1303626**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/19/2012 11:42 by TH

Submitted: 04/20/2012 09:15
Reported: 04/29/2012 17:44

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBB4D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121151AA | 04/24/2012 12:40 | Anita M Dale | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121121AA | 04/21/2012 12:21 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121121AA | 04/21/2012 12:21 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121151AA | 04/24/2012 12:40 | Anita M Dale | 1 |

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# Analysis Report



**Sample Description: BR-4DMSD Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6623693**
**LLI Group # 1303626**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/19/2012 11:42 by TH

Submitted: 04/20/2012 09:15
Reported: 04/29/2012 17:44

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

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| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | 140 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | 23 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | 23 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | 19 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | 21 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | 160 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | 21 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | 26 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | 21 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 20 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | 24 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | 22 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | 22 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 23 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | 26 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 21 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | 22 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | 22 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | 22 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | 22 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | 23 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | 21 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | 97 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | 99 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | 22 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | 21 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 22 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | 22 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | 22 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 25 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | 22 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | 22 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 22 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | 63 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 5.7 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: BR-4DMSD Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6623693**
**LLI Group # 1303626**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/19/2012 11:42 by TH

Submitted: 04/20/2012 09:15
Reported: 04/29/2012 17:44

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBB4D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121151AA | 04/24/2012 13:05 | Anita M Dale | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121121AA | 04/21/2012 12:41 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121121AA | 04/21/2012 12:41 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121151AA | 04/24/2012 13:05 | Anita M Dale | 1 |

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# Analysis Report



**Sample Description: MW-47D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6623694**
**LLI Group # 1303626**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/19/2012 13:02 by TH

Submitted: 04/20/2012 09:15
Reported: 04/29/2012 17:44

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FB47D

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-47D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6623694**
**LLI Group # 1303626**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/19/2012 13:02 by TH

Submitted: 04/20/2012 09:15
Reported: 04/29/2012 17:44

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FB47D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121151AA | 04/24/2012 14:16 | Anita M Dale | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121121AA | 04/21/2012 14:21 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121121AA | 04/21/2012 14:21 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121151AA | 04/24/2012 14:16 | Anita M Dale | 1 |

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# Analysis Report



**Sample Description: MW-47S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6623695**
**LLI Group # 1303626**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/19/2012 13:57 by TH

Submitted: 04/20/2012 09:15
Reported: 04/29/2012 17:44

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FB47S

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 7 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 44 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 11 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 23 | 4.0 | 2 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-47S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6623695**
**LLI Group # 1303626**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/19/2012 13:57 by TH

Submitted: 04/20/2012 09:15
Reported: 04/29/2012 17:44

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FB47S

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121151AA | 04/24/2012 14:40 | Anita M Dale | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121121AA | 04/21/2012 17:20 | Jason M Long | 2 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121121AA | 04/21/2012 17:20 | Jason M Long | 2 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121151AA | 04/24/2012 14:40 | Anita M Dale | 1 |

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# Analysis Report



**Sample Description: BR-4S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6623696**
**LLI Group # 1303626**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/19/2012 15:12 by TH

Submitted: 04/20/2012 09:15
Reported: 04/29/2012 17:44

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBB4S

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: BR-4S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6623696**
**LLI Group # 1303626**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/19/2012 15:12 by TH

Submitted: 04/20/2012 09:15
Reported: 04/29/2012 17:44

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBB4S

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121151AA | 04/24/2012 15:04 | Anita M Dale | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121121AA | 04/21/2012 14:41 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121121AA | 04/21/2012 14:41 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121151AA | 04/24/2012 15:04 | Anita M Dale | 1 |

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# Analysis Report



**Sample Description: MW-1 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6623697**
**LLI Group # 1303626**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/18/2012 16:50 by RP

Submitted: 04/20/2012 09:15
Reported: 04/29/2012 17:44

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBMW1

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-1 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6623697**
**LLI Group # 1303626**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/18/2012 16:50 by RP

Submitted: 04/20/2012 09:15
Reported: 04/29/2012 17:44

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBMW1

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121151AA | 04/24/2012 15:28 | Anita M Dale | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121121AA | 04/21/2012 13:21 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121121AA | 04/21/2012 13:21 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121151AA | 04/24/2012 15:28 | Anita M Dale | 1 |

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# Analysis Report



**Sample Description: MW-2 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6623698**
**LLI Group # 1303626**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/19/2012 10:35 by RP

Submitted: 04/20/2012 09:15
Reported: 04/29/2012 17:44

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBMW2

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-2 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6623698**
**LLI Group # 1303626**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/19/2012 10:35 by RP

Submitted: 04/20/2012 09:15
Reported: 04/29/2012 17:44

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBMW2

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121151AA | 04/24/2012 15:53 | Anita M Dale | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121121AA | 04/21/2012 13:41 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121121AA | 04/21/2012 13:41 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121151AA | 04/24/2012 15:53 | Anita M Dale | 1 |

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# Analysis Report



**Sample Description: MW-4 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6623699**
**LLI Group # 1303626**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/19/2012 12:25 by RP

Submitted: 04/20/2012 09:15
Reported: 04/29/2012 17:44

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBMW4

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-4 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6623699**
**LLI Group # 1303626**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/19/2012 12:25 by RP

Submitted: 04/20/2012 09:15
Reported: 04/29/2012 17:44

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBMW4

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121151AA | 04/24/2012 16:16 | Anita M Dale | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121121AA | 04/21/2012 14:01 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121121AA | 04/21/2012 14:01 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121151AA | 04/24/2012 16:16 | Anita M Dale | 1 |

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# Analysis Report



**Sample Description: MW-3 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6623700**
**LLI Group # 1303626**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/19/2012 14:05 by RP

Submitted: 04/20/2012 09:15
Reported: 04/29/2012 17:44

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBMW3

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 11 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 62 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 7.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-3 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6623700**
**LLI Group # 1303626**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/19/2012 14:05 by RP

Submitted: 04/20/2012 09:15
Reported: 04/29/2012 17:44

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBMW3

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121151AA | 04/24/2012 16:40 | Anita M Dale | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121121AA | 04/21/2012 16:01 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121121AA | 04/21/2012 16:01 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121151AA | 04/24/2012 16:40 | Anita M Dale | 1 |

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# Analysis Report



**Sample Description: MW-5 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6623701**
**LLI Group # 1303626**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/19/2012 15:00 by RP

Submitted: 04/20/2012 09:15
Reported: 04/29/2012 17:44

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBMW5

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 18 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 120 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 16 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-5 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6623701**
**LLI Group # 1303626**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/19/2012 15:00 by RP

Submitted: 04/20/2012 09:15
Reported: 04/29/2012 17:44

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBMW5

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121151AA | 04/24/2012 17:04 | Anita M Dale | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121121AA | 04/21/2012 16:21 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121121AA | 04/21/2012 16:21 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121151AA | 04/24/2012 17:04 | Anita M Dale | 1 |

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# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1303626
Reported: 04/29/12 at 05:44 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

## Laboratory Compliance Quality Control

| Analysis Name | Blank Result | Blank LOQ | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: E121121AA | Sample number(s): 6623690-6623701 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 108 | | 80-123 | | |
| Batch number: T121151AA | Sample number(s): 6623690-6623701 | | | | | | | |
| Acetone | < 20 | 20. | ug/l | 101 | | 38-212 | | |
| Benzene | < 5 | 5. | ug/l | 110 | | 77-121 | | |
| Bromodichloromethane | < 5 | 5. | ug/l | 112 | | 73-120 | | |
| Bromoform | < 5 | 5. | ug/l | 98 | | 61-120 | | |
| Bromomethane | < 5 | 5. | ug/l | 96 | | 44-120 | | |
| 2-Butanone | < 10 | 10. | ug/l | 112 | | 53-155 | | |
| Carbon Disulfide | < 5 | 5. | ug/l | 96 | | 62-125 | | |
| Carbon Tetrachloride | < 5 | 5. | ug/l | 116 | | 67-122 | | |
| Chlorobenzene | < 5 | 5. | ug/l | 104 | | 80-120 | | |
| Chloroethane | < 5 | 5. | ug/l | 95 | | 49-129 | | |
| Chloroform | < 5 | 5. | ug/l | 116 | | 77-122 | | |
| Chloromethane | < 5 | 5. | ug/l | 106 | | 60-129 | | |
| Dibromochloromethane | < 5 | 5. | ug/l | 110 | | 72-120 | | |
| 1,1-Dichloroethane | < 5 | 5. | ug/l | 109 | | 79-120 | | |
| 1,2-Dichloroethane | < 5 | 5. | ug/l | 129 | | 64-130 | | |
| 1,1-Dichloroethene | < 2 | 2. | ug/l | 99 | | 80-120 | | |
| cis-1,2-Dichloroethene | < 5 | 5. | ug/l | 105 | | 80-120 | | |
| trans-1,2-Dichloroethene | < 5 | 5. | ug/l | 101 | | 80-120 | | |
| 1,2-Dichloropropane | < 5 | 5. | ug/l | 105 | | 80-120 | | |
| cis-1,3-Dichloropropene | < 5 | 5. | ug/l | 110 | | 78-120 | | |
| trans-1,3-Dichloropropene | < 5 | 5. | ug/l | 112 | | 79-120 | | |
| Ethylbenzene | < 5 | 5. | ug/l | 100 | | 79-120 | | |
| 2-Hexanone | < 10 | 10. | ug/l | 100 | | 53-139 | | |
| 4-Methyl-2-pentanone | < 10 | 10. | ug/l | 101 | | 58-133 | | |
| Methylene Chloride | < 5 | 5. | ug/l | 106 | | 80-126 | | |
| Styrene | < 5 | 5. | ug/l | 101 | | 77-120 | | |
| 1,1,2,2-Tetrachloroethane | < 5 | 5. | ug/l | 114 | | 75-123 | | |
| Tetrachloroethene | < 5 | 5. | ug/l | 101 | | 79-120 | | |
| Toluene | < 5 | 5. | ug/l | 108 | | 79-120 | | |
| 1,1,1-Trichloroethane | < 5 | 5. | ug/l | 115 | | 70-121 | | |
| 1,1,2-Trichloroethane | < 5 | 5. | ug/l | 105 | | 80-120 | | |
| Trichloroethene | < 5 | 5. | ug/l | 106 | | 80-120 | | |
| Vinyl Chloride | < 2 | 2. | ug/l | 97 | | 56-123 | | |
| Xylene (Total) | < 5 | 5. | ug/l | 100 | | 77-120 | | |

## Sample Matrix Quality Control

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1303626
Reported: 04/29/12 at 05:44 PM
Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| Batch number: E121121AA | Sample number(s): 6623690-6623701 UNSPK: 6623691 | | | | | | | | |
| 1,4-Dioxane | 115 | 114 | 73-138 | 0 | 30 | | | | |
| Batch number: T121151AA | Sample number(s): 6623690-6623701 UNSPK: 6623691 | | | | | | | | |
| Acetone | 98 | 96 | 52-139 | 1 | 30 | | | | |
| Benzene | 114 | 113 | 72-134 | 1 | 30 | | | | |
| Bromodichloromethane | 113 | 115 | 78-125 | 1 | 30 | | | | |
| Bromoform | 96 | 95 | 48-118 | 1 | 30 | | | | |
| Bromomethane | 103 | 105 | 38-149 | 1 | 30 | | | | |
| 2-Butanone | 109 | 107 | 57-138 | 2 | 30 | | | | |
| Carbon Disulfide | 103 | 104 | 67-135 | 1 | 30 | | | | |
| Carbon Tetrachloride | 126 | 128 | 72-135 | 1 | 30 | | | | |
| Chlorobenzene | 108 | 107 | 87-124 | 1 | 30 | | | | |
| Chloroethane | 102 | 102 | 51-145 | 0 | 30 | | | | |
| Chloroform | 121 | 120 | 81-134 | 1 | 30 | | | | |
| Chloromethane | 111 | 110 | 67-154 | 1 | 30 | | | | |
| Dibromochloromethane | 108 | 109 | 74-116 | 2 | 30 | | | | |
| 1,1-Dichloroethane | 116 | 115 | 84-129 | 0 | 30 | | | | |
| 1,2-Dichloroethane | 135* | 130 | 68-131 | 4 | 30 | | | | |
| 1,1-Dichloroethene | 106 | 107 | 85-142 | 1 | 30 | | | | |
| cis-1,2-Dichloroethene | 110 | 108 | 85-125 | 1 | 30 | | | | |
| trans-1,2-Dichloroethene | 108 | 108 | 87-126 | 0 | 30 | | | | |
| 1,2-Dichloropropane | 109 | 109 | 83-124 | 0 | 30 | | | | |
| cis-1,3-Dichloropropene | 112 | 110 | 70-116 | 2 | 30 | | | | |
| trans-1,3-Dichloropropene | 116 | 114 | 74-119 | 1 | 30 | | | | |
| Ethylbenzene | 105 | 106 | 71-134 | 2 | 30 | | | | |
| 2-Hexanone | 97 | 97 | 55-127 | 1 | 30 | | | | |
| 4-Methyl-2-pentanone | 98 | 99 | 63-123 | 0 | 30 | | | | |
| Methylene Chloride | 112 | 111 | 78-133 | 1 | 30 | | | | |
| Styrene | 102 | 103 | 78-125 | 1 | 30 | | | | |
| 1,1,2,2-Tetrachloroethane | 113 | 112 | 72-128 | 0 | 30 | | | | |
| Tetrachloroethene | 109 | 108 | 80-128 | 1 | 30 | | | | |
| Toluene | 112 | 112 | 80-125 | 0 | 30 | | | | |
| 1,1,1-Trichloroethane | 126 | 124 | 74-131 | 2 | 30 | | | | |
| 1,1,2-Trichloroethane | 106 | 109 | 77-124 | 3 | 30 | | | | |
| Trichloroethene | 111 | 112 | 88-133 | 1 | 30 | | | | |
| Vinyl Chloride | 107 | 108 | 66-133 | 1 | 30 | | | | |
| Xylene (Total) | 103 | 104 | 79-125 | 1 | 30 | | | | |

## Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed
unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E121121AA

| | Toluene-d8 |
|---|---|
| 6623690 | 94 |
| 6623691 | 94 |
| 6623692 | 93 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1303626
Reported: 04/29/12 at 05:44 PM

## Surrogate Quality Control

| | |
|---|---|
| 6623693 | 94 |
| 6623694 | 94 |
| 6623695 | 94 |
| 6623696 | 94 |
| 6623697 | 93 |
| 6623698 | 93 |
| 6623699 | 93 |
| 6623700 | 94 |
| 6623701 | 94 |
| Blank | 94 |
| LCS | 94 |
| MS | 93 |
| MSD | 94 |
| Limits: | 80-120 |

Analysis Name: 8260 Std. Water Master
Batch number: T121151AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| 6623690 | 106 | 96 | 97 | 102 |
| 6623691 | 107 | 97 | 99 | 102 |
| 6623692 | 104 | 95 | 100 | 103 |
| 6623693 | 102 | 96 | 99 | 105 |
| 6623694 | 106 | 96 | 98 | 102 |
| 6623695 | 104 | 95 | 98 | 103 |
| 6623696 | 107 | 97 | 99 | 104 |
| 6623697 | 105 | 96 | 98 | 102 |
| 6623698 | 106 | 95 | 100 | 104 |
| 6623699 | 103 | 96 | 96 | 100 |
| 6623700 | 107 | 96 | 97 | 102 |
| 6623701 | 106 | 95 | 97 | 103 |
| Blank | 105 | 96 | 98 | 103 |
| LCS | 104 | 96 | 98 | 105 |
| MS | 104 | 95 | 100 | 103 |
| MSD | 102 | 96 | 99 | 105 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Environmental Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 6556 Group # 1303626 Sample # 6623690-701

**COC # 305019**

Please print. Instructions on reverse side correspond with circled numbers.

(1) Client: The Johnson Co. Acct. #: 06556

Project Name/#: AD-GA / 1-0145-4 PWSID #:

Project Manager: Glen Kirkpatrick P.O.#:

Sampler: Tristan HARDY Quote #:

Name of state where samples were collected: GA

For Lab Use Only
FSC:
SCR#:

Preservation Codes
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

(6) Temperature of samples upon receipt (if requested)

| (2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | Matrix: Soil | Sediment | Potable | Ground Water | NPDES | Surface Water | Other: | (4) Total # of Containers | (5) Analyses Requested: 8260 (Preservation: —) | 1,4-Dioxane by Iso Dil SIM (Preservation: H) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TRIP BLANK | 4/19/12 | — | X | | | | | X | | | | 4 | 2 | 2 | |
| BR-4D | | 1142 | X | | | | | X | | | | 18 | 9 | 9 | MS/MSD |
| MW-47D | | 1302 | X | | | | | X | | | | 6 | 3 | 3 | |
| MW-47S | | 1357 | X | | | | | X | | | | 6 | 3 | 3 | |
| BR-4S | | 1512 | X | | | | | X | | | | 6 | 3 | 3 | |

(7) **Turnaround Time Requested** (TAT) (please circle): (Standard) Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
~~Date results are needed:~~
Rush results requested by (please circle): Phone E-mail
Phone #: 802-229-4600
E-mail address: GAK@JCOMAIL.com

(8) **Data Package Options** (please circle if required)
Type I (Validation/non-CLP) MA MCP CT RCP
Type III (Reduced non-CLP)
Type IV (CLP SOW)
Type VI (Raw Data Only)
TX TRRP-13

EDD Required? (Yes) No

Site-specific QC (MS/MSD/Dup)? (Yes) No
(if yes, indicate QC sample and submit triplicate sample volume)

(9)

| Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|
| | 4/19/12 | 1545 | | | |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: Suzette Lehman | 4/20/12 | 0915 |

# Environmental Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 6556 Group # 1303626 Sample # 6623690-701 **COC # 305018**

Please print. Instructions on reverse side correspond with circled numbers.

(1) Client: The Johnson Co. Acct. #: 06556

Project Name/#: AD-GA /1-0145-4 PWSID #:

Project Manager: Glen Kirkpatrick P.O.#:

Sampler: Ross Predom Quote #: 120607

Name of state where samples were collected: GA

For Lab Use Only
FSC:
SCR#:

**Preservation Codes**
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

(6) Temperature of samples upon receipt (if requested)

Please use a PQL of 2µg/L for Vinyl Chloride

**Remarks**

| (2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | (4) Matrix: Soil | Sediment | Water | Ground/Surface | Potable/NPDES | Other: | Total # of Containers | (5) Analyses Requested: 8260B | 1,4-Dioxane DLSIM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-1 | 4-18-12 | 1650 | X | | | | X | | | | 6 | X | X |
| MW-2 | 4-19-12 | 1035 | X | | | | X | | | | 6 | X | X |
| MW-4 | 4-19-12 | 1225 | X | | | | X | | | | 6 | X | X |
| MW-3 | 4-19-12 | 1405 | X | | | | X | | | | 6 | X | X |
| MW-5 | 4-19-12 | 1500 | X | | | | X | | | | 6 | X | X |

(7) **Turnaround Time Requested** (TAT) (please circle): (Standard) Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
~~Date results are needed:~~
Rush results requested by (please circle): Phone E-mail
Phone #: 802 229 4600
E-mail address: GAK@JCOMAIL.COM

(8) **Data Package Options** (please circle if required)
Type I (Validation/non-CLP) MA MCP CT RCP
Type III (Reduced non-CLP)
Type IV (CLP SOW)
Type VI (Raw Data Only)
TX TRRP-13

EDD Required? (Yes) No

Site-specific QC (MS/MSD/Dup)? (Yes) No
(if yes, indicate QC sample and submit triplicate sample volume)

(9)

| Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|
| | 4-19-12 | 1545 | | | |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: Suzette Lehman | 4/20/12 | 0915 |

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# Environmental Sample Administration
# Receipt Documentation Log

**Client/Project:** The JOHNSON Co

**Date of Receipt:** 4/20/12

**Time of Receipt:** 0915

**Source Code:** 50-1

**Shipping Container Sealed:** (YES) NO

**Custody Seal Present * :** (YES) NO

* Custody seal was intact unless otherwise noted in the discrepancy section

**Package:** (Chilled) Not Chilled

| Temperature of Shipping Containers | | | | | | | |
|---|---|---|---|---|---|---|---|
| Cooler # | Thermometer ID | Temperature (°C) | Temp Bottle (TB) or Surface Temp (ST) | Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP) | Ice Present? Y/N | Loose (L) Bagged Ice (B) or NA | Comments |
| 1 | 9422 | 2.1 | TB | WI | Y | B | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |

**Number of Trip Blanks received NOT listed on chain of custody:** 0

**Paperwork Discrepancy/Unpacking Problems:**

**Unpacker Signature/Emp#:** Suzette Lehman 1677 **Date/Time:** 4/20/12 10:35

Issued by Dept. 6042 Management

2174.06

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# Explanation of Symbols and Abbreviations

*The following defines common symbols and abbreviations used in reporting technical data:*

| | | | |
|---|---|---|---|
| **RL** | Reporting Limit | **BMQL** | Below Minimum Quantitation Level |
| **N.D.** | none detected | **MPN** | Most Probable Number |
| **TNTC** | Too Numerous To Count | **CP Units** | cobalt-chloroplatinate units |
| **IU** | International Units | **NTU** | nephelometric turbidity units |
| **umhos/cm** | micromhos/cm | **ng** | nanogram(s) |
| **C** | degrees Celsius | **F** | degrees Fahrenheit |
| **meq** | milliequivalents | **lb.** | pound(s) |
| **g** | gram(s) | **kg** | kilogram(s) |
| **µg** | microgram(s) | **mg** | milligram(s) |
| **mL** | milliliter(s) | **L** | liter(s) |
| **m3** | cubic meter(s) | **µL** | microliter(s) |
| | | **pg/L** | picogram/liter |

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

*Data Qualifiers:*

**C –** result confirmed by reanalysis.

**J -** estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

*U.S. EPA CLP Data Qualifiers:*

| **Organic Qualifiers** | | **Inorganic Qualifiers** | |
|---|---|---|---|
| **A** | TIC is a possible aldol-condensation product | **B** | Value is <CRDL, but ≥IDL |
| **B** | Analyte was also detected in the blank | **E** | Estimated due to interference |
| **C** | Pesticide result confirmed by GC/MS | **M** | Duplicate injection precision not met |
| **D** | Compound quantitated on a diluted sample | **N** | Spike sample not within control limits |
| **E** | Concentration exceeds the calibration range of the instrument | **S** | Method of standard additions (MSA) used for calculation |
| **N** | Presumptive evidence of a compound (TICs only) | **U** | Compound was not detected |
| **P** | Concentration difference between primary and confirmation columns >25% | **W** | Post digestion spike out of control limits |
| **U** | Compound was not detected | ***** | Duplicate analysis not within control limits |
| **X,Y,Z** | Defined in case narrative | **+** | Correlation coefficient for MSA <0.995 |

**Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.**

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

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ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

April 29, 2012

Project: Avery Dennison / Flowery Branch, GA

Submittal Date: 04/21/2012
Group Number: 1303876
PO Number: 1-0145-4
State of Sample Origin: GA

| Client Sample Description | Lancaster Labs (LLI) # |
|---|---|
| MW-32 Grab Water | 6625112 |
| MW-33 Grab Water | 6625113 |
| MW-35 Grab Water | 6625114 |
| MW-36D Grab Water | 6625115 |
| MW-36S Grab Water | 6625116 |
| MW-38 Grab Water | 6625117 |
| Trip Blank Water | 6625118 |
| MW-6 Grab Water | 6625119 |
| MW-45D Grab Water | 6625120 |
| BR-15 Grab Water | 6625121 |
| MW-45S Grab Water | 6625122 |
| MW-7 Grab Water | 6625123 |

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO The Johnson Company, Inc. Attn: Glen Kirkpatrick

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Respectfully Submitted,



Wendy A. Kozma
Principal Specialist Group Leader

(717) 556-7257

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# Analysis Report



**Sample Description: MW-32 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6625112**
**LLI Group # 1303876**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/19/2012 16:20 by RP

Submitted: 04/21/2012 10:00
Reported: 04/29/2012 17:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FB-32

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-32 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6625112**
**LLI Group # 1303876**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/19/2012 16:20 by RP

Submitted: 04/21/2012 10:00
Reported: 04/29/2012 17:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FB-32

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121151AA | 04/24/2012 17:29 | Anita M Dale | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121141AA | 04/23/2012 14:42 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121141AA | 04/23/2012 14:42 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121151AA | 04/24/2012 17:29 | Anita M Dale | 1 |

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# Analysis Report



**Sample Description: MW-33 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6625113**
**LLI Group # 1303876**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/20/2012 09:20 by RP

Submitted: 04/21/2012 10:00
Reported: 04/29/2012 17:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FB-33

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-33 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6625113**
**LLI Group # 1303876**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/20/2012 09:20 by RP

Submitted: 04/21/2012 10:00
Reported: 04/29/2012 17:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FB-33

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121151AA | 04/24/2012 17:52 | Anita M Dale | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121141AA | 04/23/2012 15:01 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121141AA | 04/23/2012 15:01 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121151AA | 04/24/2012 17:52 | Anita M Dale | 1 |

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# Analysis Report



**Sample Description: MW-35 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6625114**
**LLI Group # 1303876**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/20/2012 11:05 by RP

Submitted: 04/21/2012 10:00
Reported: 04/29/2012 17:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FB-35

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-35 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6625114**
**LLI Group # 1303876**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/20/2012 11:05 by RP

Submitted: 04/21/2012 10:00
Reported: 04/29/2012 17:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FB-35

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121151AA | 04/24/2012 18:16 | Anita M Dale | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121141AA | 04/23/2012 16:22 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121141AA | 04/23/2012 16:22 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121151AA | 04/24/2012 18:16 | Anita M Dale | 1 |

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# Analysis Report



**Sample Description: MW-36D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6625115**
**LLI Group # 1303876**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/20/2012 13:30 by RP

Submitted: 04/21/2012 10:00
Reported: 04/29/2012 17:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FB36D

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 22 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 250 | 50 | 10 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 180 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 15 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 16 | 4.0 | 2 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-36D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6625115**
**LLI Group # 1303876**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/20/2012 13:30 by RP

Submitted: 04/21/2012 10:00
Reported: 04/29/2012 17:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FB36D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121151AA | 04/24/2012 18:40 | Anita M Dale | 1 |
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121171AA | 04/26/2012 10:23 | Linda C Pape | 10 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121141AA | 04/23/2012 17:42 | Jason M Long | 2 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121141AA | 04/23/2012 17:42 | Jason M Long | 2 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121151AA | 04/24/2012 18:40 | Anita M Dale | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 3 | T121171AA | 04/26/2012 10:23 | Linda C Pape | 10 |

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# Analysis Report



**Sample Description: MW-36S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6625116**
**LLI Group # 1303876**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/20/2012 14:35 by RP

Submitted: 04/21/2012 10:00
Reported: 04/29/2012 17:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FB36S

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 24 | 10 | 5 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-36S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6625116**
**LLI Group # 1303876**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/20/2012 14:35 by RP

Submitted: 04/21/2012 10:00
Reported: 04/29/2012 17:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FB36S

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121151AA | 04/24/2012 19:04 | Anita M Dale | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121141AA | 04/23/2012 18:02 | Jason M Long | 5 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121141AA | 04/23/2012 18:02 | Jason M Long | 5 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121151AA | 04/24/2012 19:04 | Anita M Dale | 1 |

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# Analysis Report



**Sample Description: MW-38 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6625117**
**LLI Group # 1303876**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/20/2012 15:35 by RP

Submitted: 04/21/2012 10:00
Reported: 04/29/2012 17:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FB-38

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-38 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6625117**
**LLI Group # 1303876**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/20/2012 15:35 by RP

Submitted: 04/21/2012 10:00
Reported: 04/29/2012 17:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FB-38

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121151AA | 04/24/2012 19:28 | Anita M Dale | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121141AA | 04/23/2012 15:21 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121141AA | 04/23/2012 15:21 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121151AA | 04/24/2012 19:28 | Anita M Dale | 1 |

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# Analysis Report



**Sample Description: Trip Blank Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6625118**
**LLI Group # 1303876**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/20/2012

Submitted: 04/21/2012 10:00
Reported: 04/29/2012 17:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FB-TB

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: Trip Blank Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6625118**
**LLI Group # 1303876**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/20/2012

Submitted: 04/21/2012 10:00
Reported: 04/29/2012 17:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FB-TB

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121151AA | 04/24/2012 19:52 | Anita M Dale | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121141AA | 04/23/2012 12:41 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121141AA | 04/23/2012 12:41 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121151AA | 04/24/2012 19:52 | Anita M Dale | 1 |

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# Analysis Report



**Sample Description: MW-6 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6625119**
**LLI Group # 1303876**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/20/2012 09:07 by TH

Submitted: 04/21/2012 10:00
Reported: 04/29/2012 17:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FB--6

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 14 | 4.0 | 2 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-6 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6625119**
**LLI Group # 1303876**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/20/2012 09:07 by TH

Submitted: 04/21/2012 10:00
Reported: 04/29/2012 17:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FB--6

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121151AA | 04/24/2012 20:16 | Anita M Dale | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121141AA | 04/23/2012 17:22 | Jason M Long | 2 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121141AA | 04/23/2012 17:22 | Jason M Long | 2 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121151AA | 04/24/2012 20:16 | Anita M Dale | 1 |

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# Analysis Report



**Sample Description: MW-45D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6625120**
**LLI Group # 1303876**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/20/2012 11:47 by TH

Submitted: 04/21/2012 10:00
Reported: 04/29/2012 17:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FB45D

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-45D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6625120**
**LLI Group # 1303876**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/20/2012 11:47 by TH

Submitted: 04/21/2012 10:00
Reported: 04/29/2012 17:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FB45D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121151AA | 04/24/2012 20:40 | Anita M Dale | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121141AA | 04/23/2012 15:41 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121141AA | 04/23/2012 15:41 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121151AA | 04/24/2012 20:40 | Anita M Dale | 1 |

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# Analysis Report



**Sample Description: BR-15 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6625121**
**LLI Group # 1303876**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/20/2012 12:37 by TH

Submitted: 04/21/2012 10:00
Reported: 04/29/2012 17:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FB-15

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: BR-15 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6625121**
**LLI Group # 1303876**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/20/2012 12:37 by TH

Submitted: 04/21/2012 10:00
Reported: 04/29/2012 17:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FB-15

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121151AA | 04/24/2012 21:04 | Anita M Dale | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121141AA | 04/23/2012 16:01 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121141AA | 04/23/2012 16:01 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121151AA | 04/24/2012 21:04 | Anita M Dale | 1 |

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# Analysis Report



**Sample Description: MW-45S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6625122**
**LLI Group # 1303876**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/20/2012 13:27 by TH

Submitted: 04/21/2012 10:00
Reported: 04/29/2012 17:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FB45S

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 8.2 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-45S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6625122**
**LLI Group # 1303876**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/20/2012 13:27 by TH

Submitted: 04/21/2012 10:00
Reported: 04/29/2012 17:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FB45S

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121171AA | 04/26/2012 10:47 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121141AA | 04/23/2012 17:02 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121141AA | 04/23/2012 17:02 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121171AA | 04/26/2012 10:47 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: MW-7 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6625123**
**LLI Group # 1303876**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/20/2012 14:57 by TH

Submitted: 04/21/2012 10:00
Reported: 04/29/2012 17:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FB-7-

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 2.8 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-7 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6625123**
**LLI Group # 1303876**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/20/2012 14:57 by TH

Submitted: 04/21/2012 10:00
Reported: 04/29/2012 17:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FB-7-

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121171AA | 04/26/2012 11:11 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121141AA | 04/23/2012 16:42 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121141AA | 04/23/2012 16:42 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121171AA | 04/26/2012 11:11 | Linda C Pape | 1 |

## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1303876
Reported: 04/29/12 at 05:59 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

## Laboratory Compliance Quality Control

| Analysis Name | Blank Result | Blank LOQ | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: E121141AA | Sample number(s): 6625112-6625123 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 116 | 117 | 80-123 | 1 | 30 |
| Batch number: T121151AA | Sample number(s): 6625112-6625121 | | | | | | | |
| Acetone | < 20 | 20. | ug/l | 101 | | 38-212 | | |
| Benzene | < 5 | 5. | ug/l | 110 | | 77-121 | | |
| Bromodichloromethane | < 5 | 5. | ug/l | 112 | | 73-120 | | |
| Bromoform | < 5 | 5. | ug/l | 98 | | 61-120 | | |
| Bromomethane | < 5 | 5. | ug/l | 96 | | 44-120 | | |
| 2-Butanone | < 10 | 10. | ug/l | 112 | | 53-155 | | |
| Carbon Disulfide | < 5 | 5. | ug/l | 96 | | 62-125 | | |
| Carbon Tetrachloride | < 5 | 5. | ug/l | 116 | | 67-122 | | |
| Chlorobenzene | < 5 | 5. | ug/l | 104 | | 80-120 | | |
| Chloroethane | < 5 | 5. | ug/l | 95 | | 49-129 | | |
| Chloroform | < 5 | 5. | ug/l | 116 | | 77-122 | | |
| Chloromethane | < 5 | 5. | ug/l | 106 | | 60-129 | | |
| Dibromochloromethane | < 5 | 5. | ug/l | 110 | | 72-120 | | |
| 1,1-Dichloroethane | < 5 | 5. | ug/l | 109 | | 79-120 | | |
| 1,2-Dichloroethane | < 5 | 5. | ug/l | 129 | | 64-130 | | |
| 1,1-Dichloroethene | < 2 | 2. | ug/l | 99 | | 80-120 | | |
| cis-1,2-Dichloroethene | < 5 | 5. | ug/l | 105 | | 80-120 | | |
| trans-1,2-Dichloroethene | < 5 | 5. | ug/l | 101 | | 80-120 | | |
| 1,2-Dichloropropane | < 5 | 5. | ug/l | 105 | | 80-120 | | |
| cis-1,3-Dichloropropene | < 5 | 5. | ug/l | 110 | | 78-120 | | |
| trans-1,3-Dichloropropene | < 5 | 5. | ug/l | 112 | | 79-120 | | |
| Ethylbenzene | < 5 | 5. | ug/l | 100 | | 79-120 | | |
| 2-Hexanone | < 10 | 10. | ug/l | 100 | | 53-139 | | |
| 4-Methyl-2-pentanone | < 10 | 10. | ug/l | 101 | | 58-133 | | |
| Methylene Chloride | < 5 | 5. | ug/l | 106 | | 80-126 | | |
| Styrene | < 5 | 5. | ug/l | 101 | | 77-120 | | |
| 1,1,2,2-Tetrachloroethane | < 5 | 5. | ug/l | 114 | | 75-123 | | |
| Tetrachloroethene | < 5 | 5. | ug/l | 101 | | 79-120 | | |
| Toluene | < 5 | 5. | ug/l | 108 | | 79-120 | | |
| 1,1,1-Trichloroethane | < 5 | 5. | ug/l | 115 | | 70-121 | | |
| 1,1,2-Trichloroethane | < 5 | 5. | ug/l | 105 | | 80-120 | | |
| Trichloroethene | < 5 | 5. | ug/l | 106 | | 80-120 | | |
| Vinyl Chloride | < 2 | 2. | ug/l | 97 | | 56-123 | | |
| Xylene (Total) | < 5 | 5. | ug/l | 100 | | 77-120 | | |
| Batch number: T121171AA | Sample number(s): 6625115,6625122-6625123 | | | | | | | |
| Acetone | < 20 | 20. | ug/l | 98 | | 38-212 | | |
| Benzene | < 5 | 5. | ug/l | 107 | | 77-121 | | |
| Bromodichloromethane | < 5 | 5. | ug/l | 108 | | 73-120 | | |
| Bromoform | < 5 | 5. | ug/l | 94 | | 61-120 | | |
| Bromomethane | < 5 | 5. | ug/l | 93 | | 44-120 | | |
| 2-Butanone | < 10 | 10. | ug/l | 108 | | 53-155 | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1303876
Reported: 04/29/12 at 05:59 PM

| Analysis Name | Blank Result | Blank LOQ | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Carbon Disulfide | < 5 | 5. | ug/l | 94 | | 62-125 | | |
| Carbon Tetrachloride | < 5 | 5. | ug/l | 117 | | 67-122 | | |
| Chlorobenzene | < 5 | 5. | ug/l | 99 | | 80-120 | | |
| Chloroethane | < 5 | 5. | ug/l | 93 | | 49-129 | | |
| Chloroform | < 5 | 5. | ug/l | 113 | | 77-122 | | |
| Chloromethane | < 5 | 5. | ug/l | 96 | | 60-129 | | |
| Dibromochloromethane | < 5 | 5. | ug/l | 107 | | 72-120 | | |
| 1,1-Dichloroethane | < 5 | 5. | ug/l | 107 | | 79-120 | | |
| 1,2-Dichloroethane | < 5 | 5. | ug/l | 125 | | 64-130 | | |
| 1,1-Dichloroethene | < 2 | 2. | ug/l | 96 | | 80-120 | | |
| cis-1,2-Dichloroethene | < 5 | 5. | ug/l | 103 | | 80-120 | | |
| trans-1,2-Dichloroethene | < 5 | 5. | ug/l | 101 | | 80-120 | | |
| 1,2-Dichloropropane | < 5 | 5. | ug/l | 103 | | 80-120 | | |
| cis-1,3-Dichloropropene | < 5 | 5. | ug/l | 110 | | 78-120 | | |
| trans-1,3-Dichloropropene | < 5 | 5. | ug/l | 109 | | 79-120 | | |
| Ethylbenzene | < 5 | 5. | ug/l | 96 | | 79-120 | | |
| 2-Hexanone | < 10 | 10. | ug/l | 96 | | 53-139 | | |
| 4-Methyl-2-pentanone | < 10 | 10. | ug/l | 99 | | 58-133 | | |
| Methylene Chloride | < 5 | 5. | ug/l | 107 | | 80-126 | | |
| Styrene | < 5 | 5. | ug/l | 97 | | 77-120 | | |
| 1,1,2,2-Tetrachloroethane | < 5 | 5. | ug/l | 109 | | 75-123 | | |
| Tetrachloroethene | < 5 | 5. | ug/l | 100 | | 79-120 | | |
| Toluene | < 5 | 5. | ug/l | 104 | | 79-120 | | |
| 1,1,1-Trichloroethane | < 5 | 5. | ug/l | 113 | | 70-121 | | |
| 1,1,2-Trichloroethane | < 5 | 5. | ug/l | 104 | | 80-120 | | |
| Trichloroethene | < 5 | 5. | ug/l | 105 | | 80-120 | | |
| Vinyl Chloride | < 2 | 2. | ug/l | 94 | | 56-123 | | |
| Xylene (Total) | < 5 | 5. | ug/l | 97 | | 77-120 | | |

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| Batch number: T121151AA | Sample number(s): 6625112-6625121 UNSPK: P623691 | | | | | | | | |
| Acetone | 98 | 96 | 52-139 | 1 | 30 | | | | |
| Benzene | 114 | 113 | 72-134 | 1 | 30 | | | | |
| Bromodichloromethane | 113 | 115 | 78-125 | 1 | 30 | | | | |
| Bromoform | 96 | 95 | 48-118 | 1 | 30 | | | | |
| Bromomethane | 103 | 105 | 38-149 | 1 | 30 | | | | |
| 2-Butanone | 109 | 107 | 57-138 | 2 | 30 | | | | |
| Carbon Disulfide | 103 | 104 | 67-135 | 1 | 30 | | | | |
| Carbon Tetrachloride | 126 | 128 | 72-135 | 1 | 30 | | | | |
| Chlorobenzene | 108 | 107 | 87-124 | 1 | 30 | | | | |
| Chloroethane | 102 | 102 | 51-145 | 0 | 30 | | | | |
| Chloroform | 121 | 120 | 81-134 | 1 | 30 | | | | |
| Chloromethane | 111 | 110 | 67-154 | 1 | 30 | | | | |
| Dibromochloromethane | 108 | 109 | 74-116 | 2 | 30 | | | | |
| 1,1-Dichloroethane | 116 | 115 | 84-129 | 0 | 30 | | | | |
| 1,2-Dichloroethane | 135* | 130 | 68-131 | 4 | 30 | | | | |
| 1,1-Dichloroethene | 106 | 107 | 85-142 | 1 | 30 | | | | |
| cis-1,2-Dichloroethene | 110 | 108 | 85-125 | 1 | 30 | | | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1303876
Reported: 04/29/12 at 05:59 PM

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| trans-1,2-Dichloroethene | 108 | 108 | 87-126 | 0 | 30 | | | | |
| 1,2-Dichloropropane | 109 | 109 | 83-124 | 0 | 30 | | | | |
| cis-1,3-Dichloropropene | 112 | 110 | 70-116 | 2 | 30 | | | | |
| trans-1,3-Dichloropropene | 116 | 114 | 74-119 | 1 | 30 | | | | |
| Ethylbenzene | 105 | 106 | 71-134 | 2 | 30 | | | | |
| 2-Hexanone | 97 | 97 | 55-127 | 1 | 30 | | | | |
| 4-Methyl-2-pentanone | 98 | 99 | 63-123 | 0 | 30 | | | | |
| Methylene Chloride | 112 | 111 | 78-133 | 1 | 30 | | | | |
| Styrene | 102 | 103 | 78-125 | 1 | 30 | | | | |
| 1,1,2,2-Tetrachloroethane | 113 | 112 | 72-128 | 0 | 30 | | | | |
| Tetrachloroethene | 109 | 108 | 80-128 | 1 | 30 | | | | |
| Toluene | 112 | 112 | 80-125 | 0 | 30 | | | | |
| 1,1,1-Trichloroethane | 126 | 124 | 74-131 | 2 | 30 | | | | |
| 1,1,2-Trichloroethane | 106 | 109 | 77-124 | 3 | 30 | | | | |
| Trichloroethene | 111 | 112 | 88-133 | 1 | 30 | | | | |
| Vinyl Chloride | 107 | 108 | 66-133 | 1 | 30 | | | | |
| Xylene (Total) | 103 | 104 | 79-125 | 1 | 30 | | | | |
| Batch number: T121171AA | Sample number(s): 6625115,6625122-6625123 UNSPK: P626560 | | | | | | | | |
| Acetone | 99 | 100 | 52-139 | 1 | 30 | | | | |
| Benzene | 115 | 115 | 72-134 | 0 | 30 | | | | |
| Bromodichloromethane | 116 | 117 | 78-125 | 1 | 30 | | | | |
| Bromoform | 95 | 97 | 48-118 | 3 | 30 | | | | |
| Bromomethane | 98 | 94 | 38-149 | 4 | 30 | | | | |
| 2-Butanone | 112 | 110 | 57-138 | 1 | 30 | | | | |
| Carbon Disulfide | 104 | 106 | 67-135 | 2 | 30 | | | | |
| Carbon Tetrachloride | 131 | 128 | 72-135 | 2 | 30 | | | | |
| Chlorobenzene | 107 | 110 | 87-124 | 3 | 30 | | | | |
| Chloroethane | 100 | 96 | 51-145 | 4 | 30 | | | | |
| Chloroform | 123 | 123 | 81-134 | 0 | 30 | | | | |
| Chloromethane | 108 | 100 | 67-154 | 8 | 30 | | | | |
| Dibromochloromethane | 106 | 111 | 74-116 | 5 | 30 | | | | |
| 1,1-Dichloroethane | 118 | 118 | 84-129 | 0 | 30 | | | | |
| 1,2-Dichloroethane | 132* | 135* | 68-131 | 2 | 30 | | | | |
| 1,1-Dichloroethene | 108 | 111 | 85-142 | 3 | 30 | | | | |
| cis-1,2-Dichloroethene | 109 | 111 | 85-125 | 2 | 30 | | | | |
| trans-1,2-Dichloroethene | 110 | 110 | 87-126 | 0 | 30 | | | | |
| 1,2-Dichloropropane | 110 | 111 | 83-124 | 1 | 30 | | | | |
| cis-1,3-Dichloropropene | 112 | 112 | 70-116 | 0 | 30 | | | | |
| trans-1,3-Dichloropropene | 114 | 116 | 74-119 | 2 | 30 | | | | |
| Ethylbenzene | 103 | 105 | 71-134 | 2 | 30 | | | | |
| 2-Hexanone | 98 | 100 | 55-127 | 2 | 30 | | | | |
| 4-Methyl-2-pentanone | 100 | 100 | 63-123 | 0 | 30 | | | | |
| Methylene Chloride | 113 | 114 | 78-133 | 1 | 30 | | | | |
| Styrene | 102 | 105 | 78-125 | 3 | 30 | | | | |
| 1,1,2,2-Tetrachloroethane | 115 | 117 | 72-128 | 2 | 30 | | | | |
| Tetrachloroethene | 110 | 111 | 80-128 | 1 | 30 | | | | |
| Toluene | 112 | 115 | 80-125 | 3 | 30 | | | | |
| 1,1,1-Trichloroethane | 124 | 128 | 74-131 | 4 | 30 | | | | |
| 1,1,2-Trichloroethane | 106 | 108 | 77-124 | 2 | 30 | | | | |
| Trichloroethene | 112 | 115 | 88-133 | 2 | 30 | | | | |
| Vinyl Chloride | 102 | 101 | 66-133 | 1 | 30 | | | | |
| Xylene (Total) | 103 | 106 | 79-125 | 3 | 30 | | | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1303876
Reported: 04/29/12 at 05:59 PM

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|

## Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed
unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E121141AA

| | Toluene-d8 |
|---|---|
| 6625112 | 94 |
| 6625113 | 94 |
| 6625114 | 94 |
| 6625115 | 94 |
| 6625116 | 94 |
| 6625117 | 94 |
| 6625118 | 94 |
| 6625119 | 94 |
| 6625120 | 94 |
| 6625121 | 94 |
| 6625122 | 93 |
| 6625123 | 94 |
| Blank | 94 |
| LCS | 94 |
| LCSD | 94 |
| Limits: | 80-120 |

Analysis Name: 8260 Std. Water Master
Batch number: T121151AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| 6625112 | 105 | 98 | 98 | 102 |
| 6625113 | 106 | 96 | 96 | 102 |
| 6625114 | 106 | 96 | 97 | 101 |
| 6625115 | 107 | 96 | 98 | 102 |
| 6625116 | 106 | 95 | 97 | 102 |
| 6625117 | 107 | 95 | 98 | 101 |
| 6625118 | 105 | 96 | 97 | 101 |
| 6625119 | 108 | 97 | 97 | 102 |
| 6625120 | 107 | 98 | 96 | 102 |
| 6625121 | 107 | 95 | 98 | 103 |
| Blank | 105 | 96 | 98 | 103 |
| LCS | 104 | 96 | 98 | 105 |
| MS | 104 | 95 | 100 | 103 |
| MSD | 102 | 96 | 99 | 105 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

Analysis Name: 8260 Std. Water Master

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1303876
Reported: 04/29/12 at 05:59 PM

## Surrogate Quality Control

Batch number: T121171AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| 6625122 | 106 | 96 | 96 | 102 |
| 6625123 | 105 | 96 | 95 | 102 |
| Blank | 103 | 98 | 97 | 101 |
| LCS | 104 | 97 | 98 | 104 |
| MS | 105 | 95 | 98 | 106 |
| MSD | 104 | 93 | 101 | 106 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Environmental Analysis Request/Chain of Custody

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For Lancaster Laboratories use only

Acct. # 6556 Group # 1363976 Sample # 662511Z-23 **COC # 305020**

Please print. Instructions on reverse side correspond with circled numbers.

(1) Client: The Johnson Co. Acct. #: 06556

Project Name/#: AD-GA/1-0145-4 PWSID #:

Project Manager: Glen Kirkpatrick P.O.#:

Sampler: Ross Predom Quote #:

Name of state where samples were collected: GA

(2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | (4) Matrix: Soil, Sediment, Water (Ground, Surface, Potable, NPDES), Other | Total # of Containers | (5) Analyses Requested — Preservation Codes: — | H

| Sample Identification | Date Collected | Time Collected | Grab | Composite | Matrix | Total # of Containers | 8260 — | 1,4-Dioxane by 1340 mod. D.I SIM — H |
|---|---|---|---|---|---|---|---|---|
| MW-32 | 4-19-12 | 1620 | X | | Water X | 6 | X | X |
| MW-33 | 4-20-12 | 0920 | X | | Water X | 6 | X | X |
| MW-35 | 4-20-12 | 1105 | X | | Water X | 6 | X | X |
| MW-36D | 4-20-12 | 1330 | X | | Water X | 6 | X | X |
| MW-36S | 4-20-12 | 1435 | X | | Water X | 6 | X | X |
| MW-38 | 4-20-12 | 1535 | X | | Water X | 6 | X | X |

**For Lab Use Only**

FSC:

SCR#:

**Preservation Codes**

H=HCl T=Thiosulfate

N=$HNO_3$ B=NaOH

S=$H_2SO_4$ O=Other

Please use a PQL of 2ug/L for Vinyl Chloride

**Remarks**

(6) Temperature of samples upon receipt (if requested)

(7) **Turnaround Time Requested** (TAT) (please circle): Standard Rush

(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)

Date results are needed:

Rush results requested by (please circle): Phone E-mail

Phone #: 802 228 4600

E-mail address: GAK@xcomail.com

(8) **Data Package Options** (please circle if required)

Type I (Validation/non-CLP) MA MCP CT RCP

Type III (Reduced non-CLP)

Type IV (CLP SOW)

Type VI (Raw Data Only)

TX TRRP-13

EDD Required? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No

(if yes, indicate QC sample and submit triplicate sample volume)

(9)

| Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|
| | 4-20-12 | 1510 | | | |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | 4-21-12 | 1000 |

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The white copy should accompany samples to Lancaster Laboratories. The yellow copy should be retained by the client.

Issued by Dept. 40 Management 7044.01

# Environmental Analysis Request/Chain of Custody

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For Lancaster Laboratories use only

Acct. # 16556 Group # 1303976 Sample # 6625112-23

**COC # 305021**

Please print. Instructions on reverse side correspond with circled numbers.

(1) Client: The Johnson Co. Acct. #: 06556

Project Name/#: AD-GA / 1-0145-4 PWSID #:

Project Manager: Glen Kirkpatrick P.O.#:

Sampler: Tristan Hardy Quote #:

Name of state where samples were collected: GA

**For Lab Use Only**

FSC:

SCR#:

**Preservation Codes**

H=HCl T=Thiosulfate

N=$HNO_3$ B=NaOH

S=$H_2SO_4$ O=Other

(6) Temperature of samples upon receipt (if requested)

| (2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | Matrix: Soil | Sediment | Water | Potable | NPDES | Ground | Surface | Other: Lab DI $H_2O$ | (4) Total # of Containers | (5) Analyses Requested: Preservation Codes — | H | 8260 | 1,4-Dioxane by ISO DIL SIM | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Trip Blank | 4/20/12 | — | X | | | | | | | | | X | 4 | 2 | 2 | | | |
| MW-6 | 4/20/12 | 0907 | X | | | | X | | | | | | 6 | 3 | 3 | | | |
| MW-45D | 4/20/12 | 1147 | X | | | | X | | | | | | 6 | 3 | 3 | | | |
| BR-15 | 4/20/12 | 1237 | X | | | | X | | | | | | 6 | 3 | 3 | | | |
| MW-45S | 4/20/12 | 1327 | X | | | | X | | | | | | 6 | 3 | 3 | | | |
| MW-7 | 4/20/12 | 1457 | X | | | | X | | | | | | 6 | 3 | 3 | | | |

Please use a PQL of 2µg/L for Vinyl Chloride

(7) **Turnaround Time Requested** (TAT) (please circle): (Standard) Rush

(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)

Date results are needed:

Rush results requested by (please circle): Phone E-mail

Phone #: 802-229-4600

E-mail address: GAK@jcomail.com

(8) **Data Package Options** (please circle if required)

Type I (Validation/non-CLP) MA MCP CT RCP

Type III (Reduced non-CLP)

Type IV (CLP SOW)

Type VI (Raw Data Only)

TX TRRP-13

EDD Required? (Yes) No

Site-specific QC (MS/MSD/Dup)? (Yes) No (if yes, indicate QC sample and submit triplicate sample volume)

| Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|
| | 4/20/12 | 1600 | | | |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| | | | | 4-21-12 | 1000 |

(9)

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The white copy should accompany samples to Lancaster Laboratories. The yellow copy should be retained by the client.

Issued by Dept. 40 Management

7044.01

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# Environmental Sample Administration
# Receipt Documentation Log

**Client/Project:** The Johnson CO

**Date of Receipt:** 4-21-12

**Time of Receipt:** 1000

**Source Code:** SO-1

**Shipping Container Sealed:** (YES) NO

**Custody Seal Present * :** (YES) NO

* Custody seal was intact unless otherwise noted in the discrepancy section

**Package:** (Chilled) Not Chilled

| Temperature of Shipping Containers | | | | | | | |
|---|---|---|---|---|---|---|---|
| Cooler # | Thermometer ID | Temperature (°C) | Temp Bottle (TB) or Surface Temp (ST) | Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP) | Ice Present? Y/N | Loose (L) Bagged Ice (B) or NA | Comments |
| 1 | 2783 | 0.7 | TB | WI | Y | B | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |

**Number of Trip Blanks received NOT listed on chain of custody:** 0

**Paperwork Discrepancy/Unpacking Problems:**

**Unpacker Signature/Emp#:** Brenely Barclay 2299 **Date/Time:** 4-21-12 1124

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# Explanation of Symbols and Abbreviations

*The following defines common symbols and abbreviations used in reporting technical data:*

| | | | |
|---|---|---|---|
| **RL** | Reporting Limit | **BMQL** | Below Minimum Quantitation Level |
| **N.D.** | none detected | **MPN** | Most Probable Number |
| **TNTC** | Too Numerous To Count | **CP Units** | cobalt-chloroplatinate units |
| **IU** | International Units | **NTU** | nephelometric turbidity units |
| **umhos/cm** | micromhos/cm | **ng** | nanogram(s) |
| **C** | degrees Celsius | **F** | degrees Fahrenheit |
| **meq** | milliequivalents | **lb.** | pound(s) |
| **g** | gram(s) | **kg** | kilogram(s) |
| **µg** | microgram(s) | **mg** | milligram(s) |
| **mL** | milliliter(s) | **L** | liter(s) |
| **m3** | cubic meter(s) | **µL** | microliter(s) |
| | | **pg/L** | picogram/liter |

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

*Data Qualifiers:*

**C –** result confirmed by reanalysis.

**J -** estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

*U.S. EPA CLP Data Qualifiers:*

| **Organic Qualifiers** | | **Inorganic Qualifiers** | |
|---|---|---|---|
| **A** | TIC is a possible aldol-condensation product | **B** | Value is <CRDL, but ≥IDL |
| **B** | Analyte was also detected in the blank | **E** | Estimated due to interference |
| **C** | Pesticide result confirmed by GC/MS | **M** | Duplicate injection precision not met |
| **D** | Compound quantitated on a diluted sample | **N** | Spike sample not within control limits |
| **E** | Concentration exceeds the calibration range of the instrument | **S** | Method of standard additions (MSA) used for calculation |
| **N** | Presumptive evidence of a compound (TICs only) | **U** | Compound was not detected |
| **P** | Concentration difference between primary and confirmation columns >25% | **W** | Post digestion spike out of control limits |
| **U** | Compound was not detected | ***** | Duplicate analysis not within control limits |
| **X,Y,Z** | Defined in case narrative | **+** | Correlation coefficient for MSA <0.995 |

**Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.**

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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# Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

May 04, 2012

Project: Avery Dennison / Flowery Branch, GA

Submittal Date: 04/24/2012
Group Number: 1304174
PO Number: 1-0145-4
State of Sample Origin: GA

| Client Sample Description | Lancaster Labs (LLI) # |
|---|---|
| Trip Blank Water | 6626541 |
| BR-20D Grab Water | 6626542 |
| MW-51D Grab Water | 6626543 |
| BR-20 Grab Water | 6626544 |
| MW-60D Grab Water | 6626545 |
| MW-37 Grab Water | 6626546 |
| MW-18D Grab Water | 6626547 |
| BR-6 Grab Water | 6626548 |
| MW-18S Grab Water | 6626549 |
| BR-16 Grab Water | 6626550 |
| MW-14 Grab Water | 6626551 |
| MW-49D Grab Water | 6626552 |
| MW-17 Grab Water | 6626553 |
| MW-57D Grab Water | 6626554 |
| MW-57I Grab Water | 6626555 |
| Trip Blank Water | 6626556 |
| MW-50D Grab Water | 6626557 |
| MW-46I Grab Water | 6626558 |
| MW-46D Grab Water | 6626559 |
| BR-17 Grab Water | 6626560 |
| BR-17 Matrix Spike Grab Water | 6626561 |
| BR-17 Matrix Spike Dup Grab Water | 6626562 |
| MW-61 Grab Water | 6626563 |
| MW-12 Grab Water | 6626564 |
| DP-3 Grab Water | 6626565 |
| MW-8 Grab Water | 6626566 |
| MW-9 Grab Water | 6626567 |
| MW-54D Grab Water | 6626568 |

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# Analysis Report

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| | |
|---|---|
| MW-42 Grab Water | 6626569 |
| MW-27D Grab Water | 6626570 |
| MW-27S Grab Water | 6626571 |

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO The Johnson Company, Inc. Attn: Glen Kirkpatrick

Respectfully Submitted,

Wendy A. Kozma
Principal Specialist Group Leader

(717) 556-7257

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# Analysis Report



**Sample Description: Trip Blank Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626541**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/21/2012

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AVG01

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: Trip Blank Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626541**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/21/2012

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AVG01

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121171AA | 04/26/2012 09:59 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121171AA | 04/26/2012 11:19 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | T121171AA | 04/26/2012 09:59 | Linda C Pape | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E121171AA | 04/26/2012 11:19 | Jason M Long | 1 |

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# Analysis Report



**Sample Description: BR-20D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626542**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/21/2012 18:07 by TH

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AVG02

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 26 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 22 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: BR-20D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626542**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/21/2012 18:07 by TH

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AVG02

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121171AA | 04/26/2012 11:35 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121171AA | 04/26/2012 15:19 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | T121171AA | 04/26/2012 11:35 | Linda C Pape | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E121171AA | 04/26/2012 15:19 | Jason M Long | 1 |

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# Analysis Report



**Sample Description: MW-51D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626543**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/22/2012 08:57 by TH

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AVG03

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 25 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 190 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 77 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 5.1 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-51D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626543**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/22/2012 08:57 by TH

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AVG03

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121171AA | 04/26/2012 11:59 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121171AA | 04/26/2012 15:39 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | T121171AA | 04/26/2012 11:59 | Linda C Pape | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E121171AA | 04/26/2012 15:39 | Jason M Long | 1 |

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# Analysis Report



**Sample Description: BR-20 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626544**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/22/2012 09:52 by TH

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AVG04

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 220 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 950 | 20 | 10 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 7 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 3 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 22 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: BR-20 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626544**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/22/2012 09:52 by TH

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AVG04

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121171AA | 04/26/2012 17:34 | Linda C Pape | 1 |
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121171AA | 04/26/2012 17:58 | Linda C Pape | 10 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121171AA | 04/26/2012 17:59 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | T121171AA | 04/26/2012 17:34 | Linda C Pape | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121171AA | 04/26/2012 17:58 | Linda C Pape | 10 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 3 | E121171AA | 04/26/2012 17:59 | Jason M Long | 1 |

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# Analysis Report



**Sample Description: MW-60D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626545**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/22/2012 11:07 by TH

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AVG05

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 110 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 610 | 20 | 10 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 580 | 50 | 10 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 6.6 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-60D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626545**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/22/2012 11:07 by TH

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AVG05

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121171AA | 04/26/2012 18:22 | Linda C Pape | 1 |
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121171AA | 04/26/2012 18:46 | Linda C Pape | 10 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121171AA | 04/26/2012 18:39 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | T121171AA | 04/26/2012 18:22 | Linda C Pape | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E121171AA | 04/26/2012 18:39 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 3 | T121171AA | 04/26/2012 18:46 | Linda C Pape | 10 |

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# Analysis Report



**Sample Description: MW-37 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626546**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/22/2012 12:02 by TH

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AVG06

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 54 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 240 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 100 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 4.5 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-37 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626546**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/22/2012 12:02 by TH

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AVG06

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121171AA | 04/26/2012 19:10 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121171AA | 04/26/2012 15:59 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121171AA | 04/26/2012 15:59 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121171AA | 04/26/2012 19:10 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: MW-18D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626547**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/22/2012 14:02 by TH

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AVG07

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 29 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 290 | 20 | 10 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 160 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 4.8 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-18D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626547**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/22/2012 14:02 by TH

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AVG07

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121171AA | 04/26/2012 12:22 | Linda C Pape | 1 |
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121181AA | 04/27/2012 11:32 | Linda C Pape | 10 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121171AA | 04/26/2012 16:39 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | T121171AA | 04/26/2012 12:22 | Linda C Pape | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E121171AA | 04/26/2012 16:39 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 3 | T121181AA | 04/27/2012 11:32 | Linda C Pape | 10 |

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# Analysis Report



**Sample Description: BR-6 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626548**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/22/2012 14:57 by TH

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AVG08

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 34 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 210 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 3.2 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: BR-6 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626548**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/22/2012 14:57 by TH

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AVG08

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121181AA | 04/27/2012 11:56 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121171AA | 04/26/2012 16:19 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121171AA | 04/26/2012 16:19 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121181AA | 04/27/2012 11:56 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: MW-18S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626549**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/22/2012 16:07 by TH

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AVG09

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-18S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626549**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/22/2012 16:07 by TH

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AVG09

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121181AA | 04/27/2012 12:20 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121171AA | 04/26/2012 16:59 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121171AA | 04/26/2012 16:59 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121181AA | 04/27/2012 12:20 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: BR-16 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626550**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/21/2012 18:17 by RP

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AVG10

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: BR-16 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626550**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/21/2012 18:17 by RP

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AVG10

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121181AA | 04/27/2012 12:44 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121171AA | 04/26/2012 11:58 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121171AA | 04/26/2012 11:58 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121181AA | 04/27/2012 12:44 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: MW-14 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626551**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/22/2012 08:05 by RP

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AVG11

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-14 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626551**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/22/2012 08:05 by RP

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AVG11

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121181AA | 04/27/2012 13:08 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121171AA | 04/26/2012 13:19 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121171AA | 04/26/2012 13:19 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121181AA | 04/27/2012 13:08 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: MW-49D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626552**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/22/2012 09:52 by RP

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AVG12

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-49D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626552**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/22/2012 09:52 by RP

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AVG12

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121181AA | 04/27/2012 13:32 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121171AA | 04/26/2012 13:39 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121171AA | 04/26/2012 13:39 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121181AA | 04/27/2012 13:32 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: MW-17 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626553**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/22/2012 11:05 by RP

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AVG13

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-17 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626553**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/22/2012 11:05 by RP

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AVG13

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121181AA | 04/27/2012 13:55 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121171AA | 04/26/2012 13:59 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121171AA | 04/26/2012 13:59 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121181AA | 04/27/2012 13:55 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: MW-57D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626554**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/22/2012 12:47 by RP

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AVG14

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 250 | 50 | 10 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 1,700 | 20 | 10 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 970 | 50 | 10 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | 6 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 14 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-57D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626554**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/22/2012 12:47 by RP

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AVG14

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121181AA | 04/27/2012 17:30 | Linda C Pape | 1 |
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121181AA | 04/27/2012 18:02 | Linda C Pape | 10 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121171AA | 04/26/2012 17:19 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121171AA | 04/26/2012 17:19 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121181AA | 04/27/2012 17:30 | Linda C Pape | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 3 | T121181AA | 04/27/2012 18:02 | Linda C Pape | 10 |

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# Analysis Report



**Sample Description: MW-57I Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626555**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/22/2012 13:45 by RP

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AVG15

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 7 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 460 | 50 | 10 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | 13 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 3,000 | 20 | 10 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | 7 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 1,700 | 50 | 10 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | 11 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 59 | 20 | 10 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-57I Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626555**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/22/2012 13:45 by RP

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AVG15

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121181AA | 04/27/2012 18:26 | Linda C Pape | 1 |
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121181AA | 04/27/2012 18:50 | Linda C Pape | 10 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121172AA | 04/27/2012 00:24 | Sara E Johnson | 10 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121172AA | 04/27/2012 00:24 | Sara E Johnson | 10 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121181AA | 04/27/2012 18:26 | Linda C Pape | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 3 | T121181AA | 04/27/2012 18:50 | Linda C Pape | 10 |

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# Analysis Report



**Sample Description: Trip Blank Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626556**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/22/2012

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AVG16

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: Trip Blank Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626556**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/22/2012

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

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Suite 600
100 State Street
Montpelier VT 05602

AVG16

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121181AA | 04/27/2012 09:32 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121171AA | 04/26/2012 11:38 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121171AA | 04/26/2012 11:38 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121181AA | 04/27/2012 09:32 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: MW-50D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626557**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/22/2012 17:17 by TH

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

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Montpelier VT 05602

AVG17

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 24 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 100 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 54 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 2.5 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-50D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626557**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/22/2012 17:17 by TH

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

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## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121181AA | 04/27/2012 14:19 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121171AA | 04/26/2012 14:39 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121171AA | 04/26/2012 14:39 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121181AA | 04/27/2012 14:19 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: MW-46I Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626558**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/23/2012 09:02 by TH

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

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Montpelier VT 05602

AVG18

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 7 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 6 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 3.4 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-46I Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626558**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/23/2012 09:02 by TH

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

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## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121181AA | 04/27/2012 14:43 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121172AA | 04/26/2012 23:44 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121172AA | 04/26/2012 23:44 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121181AA | 04/27/2012 14:43 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: MW-46D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626559**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/23/2012 10:57 by TH

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

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Montpelier VT 05602

AVG19

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-46D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626559**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/23/2012 10:57 by TH

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AVG19

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121181AA | 04/27/2012 15:07 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121172AA | 04/26/2012 21:04 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121172AA | 04/26/2012 21:04 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121181AA | 04/27/2012 15:07 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: BR-17 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626560**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/23/2012 09:47 by TH

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

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| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: BR-17 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626560**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/23/2012 09:47 by TH

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AVG20

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121171AA | 04/26/2012 12:47 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121172AA | 04/26/2012 21:24 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | T121171AA | 04/26/2012 12:47 | Linda C Pape | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E121172AA | 04/26/2012 21:24 | Sara E Johnson | 1 |

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# Analysis Report



**Sample Description: BR-17 Matrix Spike Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626561**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/23/2012 09:47 by TH

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AVG20

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | 150 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | 23 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | 23 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | 19 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | 20 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | 170 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | 21 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | 26 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | 21 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 20 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | 25 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | 22 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | 21 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 24 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | 26 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 22 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | 22 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | 22 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | 22 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | 22 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | 23 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | 21 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | 98 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | 100 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | 23 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | 20 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 23 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | 22 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | 22 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 25 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | 21 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | 22 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 20 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | 62 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 5.4 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: BR-17 Matrix Spike Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626561**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/23/2012 09:47 by TH

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AVG20

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121171AA | 04/26/2012 13:11 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121172AA | 04/26/2012 21:44 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | T121171AA | 04/26/2012 13:11 | Linda C Pape | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E121172AA | 04/26/2012 21:44 | Sara E Johnson | 1 |

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# Analysis Report



**Sample Description: BR-17 Matrix Spike Dup Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626562**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/23/2012 09:47 by TH

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AVG20

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | 150 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | 23 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | 23 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | 19 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | 19 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | 170 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | 21 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | 26 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | 22 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 19 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | 25 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | 20 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | 22 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 24 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | 27 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 22 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | 22 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | 22 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | 22 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | 22 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | 23 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | 21 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | 100 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | 100 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | 23 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | 21 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 23 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | 22 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | 23 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 26 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | 22 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | 23 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 20 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | 64 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 5.8 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: BR-17 Matrix Spike Dup Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626562**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/23/2012 09:47 by TH

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AVG20

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121171AA | 04/26/2012 13:35 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121172AA | 04/26/2012 22:04 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | T121171AA | 04/26/2012 13:35 | Linda C Pape | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E121172AA | 04/26/2012 22:04 | Sara E Johnson | 1 |

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# Analysis Report



**Sample Description: MW-61 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626563**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/23/2012 11:42 by TH

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AVG21

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-61 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626563**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/23/2012 11:42 by TH

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AVG21

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121171AA | 04/26/2012 13:59 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121172AA | 04/26/2012 22:44 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | T121171AA | 04/26/2012 13:59 | Linda C Pape | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E121172AA | 04/26/2012 22:44 | Sara E Johnson | 1 |

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# Analysis Report



**Sample Description: MW-12 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626564**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/23/2012 13:02 by TH

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AVG22

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 8.8 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-12 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626564**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/23/2012 13:02 by TH

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

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## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121171AA | 04/26/2012 14:23 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121172AA | 04/27/2012 00:04 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | T121171AA | 04/26/2012 14:23 | Linda C Pape | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E121172AA | 04/27/2012 00:04 | Sara E Johnson | 1 |

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# Analysis Report



**Sample Description: DP-3 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626565**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/23/2012 12:00 by TH

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

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| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 6 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 8.8 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: DP-3 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626565**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/23/2012 12:00 by TH

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AVG23

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121171AA | 04/26/2012 14:47 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121172AA | 04/27/2012 01:24 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | T121171AA | 04/26/2012 14:47 | Linda C Pape | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E121172AA | 04/27/2012 01:24 | Sara E Johnson | 1 |

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# Analysis Report



**Sample Description: MW-8 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626566**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/22/2012 14:45 by RP

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AVG24

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-8 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626566**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/22/2012 14:45 by RP

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AVG24

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121171AA | 04/26/2012 15:10 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121171AA | 04/26/2012 14:59 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121171AA | 04/26/2012 14:59 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121171AA | 04/26/2012 15:10 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: MW-9 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626567**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/22/2012 16:05 by RP

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AVG25

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | 35 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | 110 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-9 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626567**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/22/2012 16:05 by RP

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

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Suite 600
100 State Street
Montpelier VT 05602

AVG25

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121171AA | 04/26/2012 15:34 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121171AA | 04/26/2012 14:19 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121171AA | 04/26/2012 14:19 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121171AA | 04/26/2012 15:34 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: MW-54D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626568**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/22/2012 17:37 by RP

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

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100 State Street
Montpelier VT 05602

AVG26

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 43 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 290 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 150 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 7.6 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-54D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626568**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/22/2012 17:37 by RP

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AVG26

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121171AA | 04/26/2012 15:59 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121171AA | 04/26/2012 18:19 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | T121171AA | 04/26/2012 15:59 | Linda C Pape | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E121171AA | 04/26/2012 18:19 | Jason M Long | 1 |

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# Analysis Report



**Sample Description: MW-42 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626569**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/23/2012 08:35 by RP

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

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Montpelier VT 05602

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| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 31 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 180 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 73 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 5.4 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-42 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626569**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/23/2012 08:35 by RP

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AVG27

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121171AA | 04/26/2012 16:23 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121211AA | 04/30/2012 16:35 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | T121171AA | 04/26/2012 16:23 | Linda C Pape | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E121211AA | 04/30/2012 16:35 | Jason M Long | 1 |

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# Analysis Report



**Sample Description: MW-27D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626570**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/23/2012 11:50 by RP

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
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Montpelier VT 05602

AVG28

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 15 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-27D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626570**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/23/2012 11:50 by RP

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AVG28

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121171AA | 04/26/2012 16:47 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121172AA | 04/26/2012 23:24 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | T121171AA | 04/26/2012 16:47 | Linda C Pape | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E121172AA | 04/26/2012 23:24 | Sara E Johnson | 1 |

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# Analysis Report



**Sample Description: MW-27S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626571**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/23/2012 13:17 by RP

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AVG29

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 12 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 65 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-27S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6626571**
**LLI Group # 1304174**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/23/2012 13:17 by RP

Submitted: 04/24/2012 09:20
Reported: 05/04/2012 12:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AVG29

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121171AA | 04/26/2012 17:10 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121172AA | 04/26/2012 23:04 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | T121171AA | 04/26/2012 17:10 | Linda C Pape | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E121172AA | 04/26/2012 23:04 | Sara E Johnson | 1 |

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# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1304174
Reported: 05/04/12 at 12:19 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

## Laboratory Compliance Quality Control

| Analysis Name | Blank Result | Blank LOQ | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: E121171AA | Sample number(s): 6626541-6626554,6626556-6626557,6626566-6626568 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 103 | | 80-123 | | |
| Batch number: E121172AA | Sample number(s): 6626555,6626558-6626565,6626570-6626571 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 112 | | 80-123 | | |
| Batch number: E121211AA | Sample number(s): 6626569 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 107 | | 80-123 | | |
| Batch number: T121171AA | Sample number(s): 6626541-6626547,6626560-6626571 | | | | | | | |
| Acetone | < 20 | 20. | ug/l | 98 | | 38-212 | | |
| Benzene | < 5 | 5. | ug/l | 107 | | 77-121 | | |
| Bromodichloromethane | < 5 | 5. | ug/l | 108 | | 73-120 | | |
| Bromoform | < 5 | 5. | ug/l | 94 | | 61-120 | | |
| Bromomethane | < 5 | 5. | ug/l | 93 | | 44-120 | | |
| 2-Butanone | < 10 | 10. | ug/l | 108 | | 53-155 | | |
| Carbon Disulfide | < 5 | 5. | ug/l | 94 | | 62-125 | | |
| Carbon Tetrachloride | < 5 | 5. | ug/l | 117 | | 67-122 | | |
| Chlorobenzene | < 5 | 5. | ug/l | 99 | | 80-120 | | |
| Chloroethane | < 5 | 5. | ug/l | 93 | | 49-129 | | |
| Chloroform | < 5 | 5. | ug/l | 113 | | 77-122 | | |
| Chloromethane | < 5 | 5. | ug/l | 96 | | 60-129 | | |
| Dibromochloromethane | < 5 | 5. | ug/l | 107 | | 72-120 | | |
| 1,1-Dichloroethane | < 5 | 5. | ug/l | 107 | | 79-120 | | |
| 1,2-Dichloroethane | < 5 | 5. | ug/l | 125 | | 64-130 | | |
| 1,1-Dichloroethene | < 2 | 2. | ug/l | 96 | | 80-120 | | |
| cis-1,2-Dichloroethene | < 5 | 5. | ug/l | 103 | | 80-120 | | |
| trans-1,2-Dichloroethene | < 5 | 5. | ug/l | 101 | | 80-120 | | |
| 1,2-Dichloropropane | < 5 | 5. | ug/l | 103 | | 80-120 | | |
| cis-1,3-Dichloropropene | < 5 | 5. | ug/l | 110 | | 78-120 | | |
| trans-1,3-Dichloropropene | < 5 | 5. | ug/l | 109 | | 79-120 | | |
| Ethylbenzene | < 5 | 5. | ug/l | 96 | | 79-120 | | |
| 2-Hexanone | < 10 | 10. | ug/l | 96 | | 53-139 | | |
| 4-Methyl-2-pentanone | < 10 | 10. | ug/l | 99 | | 58-133 | | |
| Methylene Chloride | < 5 | 5. | ug/l | 107 | | 80-126 | | |
| Styrene | < 5 | 5. | ug/l | 97 | | 77-120 | | |
| 1,1,2,2-Tetrachloroethane | < 5 | 5. | ug/l | 109 | | 75-123 | | |
| Tetrachloroethene | < 5 | 5. | ug/l | 100 | | 79-120 | | |
| Toluene | < 5 | 5. | ug/l | 104 | | 79-120 | | |
| 1,1,1-Trichloroethane | < 5 | 5. | ug/l | 113 | | 70-121 | | |
| 1,1,2-Trichloroethane | < 5 | 5. | ug/l | 104 | | 80-120 | | |
| Trichloroethene | < 5 | 5. | ug/l | 105 | | 80-120 | | |
| Vinyl Chloride | < 2 | 2. | ug/l | 94 | | 56-123 | | |
| Xylene (Total) | < 5 | 5. | ug/l | 97 | | 77-120 | | |
| Batch number: T121181AA | Sample number(s): 6626547-6626559 | | | | | | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1304174
Reported: 05/04/12 at 12:19 PM

| Analysis Name | Blank Result | Blank LOQ | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Acetone | < 20 | 20. | ug/l | 153 | | 38-212 | | |
| Benzene | < 5 | 5. | ug/l | 106 | | 77-121 | | |
| Bromodichloromethane | < 5 | 5. | ug/l | 108 | | 73-120 | | |
| Bromoform | < 5 | 5. | ug/l | 95 | | 61-120 | | |
| Bromomethane | < 5 | 5. | ug/l | 92 | | 44-120 | | |
| 2-Butanone | < 10 | 10. | ug/l | 131 | | 53-155 | | |
| Carbon Disulfide | < 5 | 5. | ug/l | 90 | | 62-125 | | |
| Carbon Tetrachloride | < 5 | 5. | ug/l | 112 | | 67-122 | | |
| Chlorobenzene | < 5 | 5. | ug/l | 99 | | 80-120 | | |
| Chloroethane | < 5 | 5. | ug/l | 89 | | 49-129 | | |
| Chloroform | < 5 | 5. | ug/l | 114 | | 77-122 | | |
| Chloromethane | < 5 | 5. | ug/l | 98 | | 60-129 | | |
| Dibromochloromethane | < 5 | 5. | ug/l | 105 | | 72-120 | | |
| 1,1-Dichloroethane | < 5 | 5. | ug/l | 106 | | 79-120 | | |
| 1,2-Dichloroethane | < 5 | 5. | ug/l | 129 | | 64-130 | | |
| 1,1-Dichloroethene | < 2 | 2. | ug/l | 95 | | 80-120 | | |
| cis-1,2-Dichloroethene | < 5 | 5. | ug/l | 103 | | 80-120 | | |
| trans-1,2-Dichloroethene | < 5 | 5. | ug/l | 97 | | 80-120 | | |
| 1,2-Dichloropropane | < 5 | 5. | ug/l | 103 | | 80-120 | | |
| cis-1,3-Dichloropropene | < 5 | 5. | ug/l | 107 | | 78-120 | | |
| trans-1,3-Dichloropropene | < 5 | 5. | ug/l | 109 | | 79-120 | | |
| Ethylbenzene | < 5 | 5. | ug/l | 97 | | 79-120 | | |
| 2-Hexanone | < 10 | 10. | ug/l | 102 | | 53-139 | | |
| 4-Methyl-2-pentanone | < 10 | 10. | ug/l | 100 | | 58-133 | | |
| Methylene Chloride | < 5 | 5. | ug/l | 106 | | 80-126 | | |
| Styrene | < 5 | 5. | ug/l | 94 | | 77-120 | | |
| 1,1,2,2-Tetrachloroethane | < 5 | 5. | ug/l | 110 | | 75-123 | | |
| Tetrachloroethene | < 5 | 5. | ug/l | 99 | | 79-120 | | |
| Toluene | < 5 | 5. | ug/l | 104 | | 79-120 | | |
| 1,1,1-Trichloroethane | < 5 | 5. | ug/l | 111 | | 70-121 | | |
| 1,1,2-Trichloroethane | < 5 | 5. | ug/l | 104 | | 80-120 | | |
| Trichloroethene | < 5 | 5. | ug/l | 104 | | 80-120 | | |
| Vinyl Chloride | < 2 | 2. | ug/l | 91 | | 56-123 | | |
| Xylene (Total) | < 5 | 5. | ug/l | 94 | | 77-120 | | |

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| Batch number: E121171AA | Sample number(s): 6626541-6626554,6626556-6626557,6626566-6626568 UNSPK: 6626550 | | | | | | | | |
| 1,4-Dioxane | 105 | 100 | 73-138 | 4 | 30 | | | | |
| Batch number: E121172AA | Sample number(s): 6626555,6626558-6626565,6626570-6626571 UNSPK: 6626560 | | | | | | | | |
| 1,4-Dioxane | 108 | 116 | 73-138 | 7 | 30 | | | | |
| Batch number: E121211AA | Sample number(s): 6626569 UNSPK: P628241 | | | | | | | | |
| 1,4-Dioxane | 105 | 105 | 73-138 | 0 | 30 | | | | |
| Batch number: T121171AA | Sample number(s): 6626541-6626547,6626560-6626571 UNSPK: 6626560 | | | | | | | | |
| Acetone | 99 | 100 | 52-139 | 1 | 30 | | | | |
| Benzene | 115 | 115 | 72-134 | 0 | 30 | | | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1304174
Reported: 05/04/12 at 12:19 PM

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| Bromodichloromethane | 116 | 117 | 78-125 | 1 | 30 | | | | |
| Bromoform | 95 | 97 | 48-118 | 3 | 30 | | | | |
| Bromomethane | 98 | 94 | 38-149 | 4 | 30 | | | | |
| 2-Butanone | 112 | 110 | 57-138 | 1 | 30 | | | | |
| Carbon Disulfide | 104 | 106 | 67-135 | 2 | 30 | | | | |
| Carbon Tetrachloride | 131 | 128 | 72-135 | 2 | 30 | | | | |
| Chlorobenzene | 107 | 110 | 87-124 | 3 | 30 | | | | |
| Chloroethane | 100 | 96 | 51-145 | 4 | 30 | | | | |
| Chloroform | 123 | 123 | 81-134 | 0 | 30 | | | | |
| Chloromethane | 108 | 100 | 67-154 | 8 | 30 | | | | |
| Dibromochloromethane | 106 | 111 | 74-116 | 5 | 30 | | | | |
| 1,1-Dichloroethane | 118 | 118 | 84-129 | 0 | 30 | | | | |
| 1,2-Dichloroethane | 132* | 135* | 68-131 | 2 | 30 | | | | |
| 1,1-Dichloroethene | 108 | 111 | 85-142 | 3 | 30 | | | | |
| cis-1,2-Dichloroethene | 109 | 111 | 85-125 | 2 | 30 | | | | |
| trans-1,2-Dichloroethene | 110 | 110 | 87-126 | 0 | 30 | | | | |
| 1,2-Dichloropropane | 110 | 111 | 83-124 | 1 | 30 | | | | |
| cis-1,3-Dichloropropene | 112 | 112 | 70-116 | 0 | 30 | | | | |
| trans-1,3-Dichloropropene | 114 | 116 | 74-119 | 2 | 30 | | | | |
| Ethylbenzene | 103 | 105 | 71-134 | 2 | 30 | | | | |
| 2-Hexanone | 98 | 100 | 55-127 | 2 | 30 | | | | |
| 4-Methyl-2-pentanone | 100 | 100 | 63-123 | 0 | 30 | | | | |
| Methylene Chloride | 113 | 114 | 78-133 | 1 | 30 | | | | |
| Styrene | 102 | 105 | 78-125 | 3 | 30 | | | | |
| 1,1,2,2-Tetrachloroethane | 115 | 117 | 72-128 | 2 | 30 | | | | |
| Tetrachloroethene | 110 | 111 | 80-128 | 1 | 30 | | | | |
| Toluene | 112 | 115 | 80-125 | 3 | 30 | | | | |
| 1,1,1-Trichloroethane | 124 | 128 | 74-131 | 4 | 30 | | | | |
| 1,1,2-Trichloroethane | 106 | 108 | 77-124 | 2 | 30 | | | | |
| Trichloroethene | 112 | 115 | 88-133 | 2 | 30 | | | | |
| Vinyl Chloride | 102 | 101 | 66-133 | 1 | 30 | | | | |
| Xylene (Total) | 103 | 106 | 79-125 | 3 | 30 | | | | |
| Batch number: T121181AA | Sample number(s): 6626547-6626559 UNSPK: P628241 | | | | | | | | |
| Acetone | 99 | 96 | 52-139 | 2 | 30 | | | | |
| Benzene | 116 | 115 | 72-134 | 1 | 30 | | | | |
| Bromodichloromethane | 118 | 115 | 78-125 | 2 | 30 | | | | |
| Bromoform | 96 | 96 | 48-118 | 0 | 30 | | | | |
| Bromomethane | 103 | 105 | 38-149 | 2 | 30 | | | | |
| 2-Butanone | 111 | 109 | 57-138 | 2 | 30 | | | | |
| Carbon Disulfide | 103 | 103 | 67-135 | 0 | 30 | | | | |
| Carbon Tetrachloride | 137* | 135 | 72-135 | 1 | 30 | | | | |
| Chlorobenzene | 107 | 106 | 87-124 | 1 | 30 | | | | |
| Chloroethane | 96 | 93 | 51-145 | 2 | 30 | | | | |
| Chloroform | 125 | 123 | 81-134 | 1 | 30 | | | | |
| Chloromethane | 106 | 107 | 67-154 | 2 | 30 | | | | |
| Dibromochloromethane | 110 | 107 | 74-116 | 2 | 30 | | | | |
| 1,1-Dichloroethane | 117 (2) | 54 (2) | 84-129 | 4 | 30 | | | | |
| 1,2-Dichloroethane | 135* | 132* | 68-131 | 2 | 30 | | | | |
| 1,1-Dichloroethene | 139 (2) | 73 (2) | 85-142 | 5 | 30 | | | | |
| cis-1,2-Dichloroethene | 110 | 109 | 85-125 | 1 | 30 | | | | |
| trans-1,2-Dichloroethene | 110 | 109 | 87-126 | 1 | 30 | | | | |
| 1,2-Dichloropropane | 111 | 110 | 83-124 | 1 | 30 | | | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1304174
Reported: 05/04/12 at 12:19 PM

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | 113 | 112 | 70-116 | 1 | 30 | | | | |
| trans-1,3-Dichloropropene | 115 | 112 | 74-119 | 2 | 30 | | | | |
| Ethylbenzene | 103 | 102 | 71-134 | 1 | 30 | | | | |
| 2-Hexanone | 97 | 96 | 55-127 | 1 | 30 | | | | |
| 4-Methyl-2-pentanone | 100 | 99 | 63-123 | 1 | 30 | | | | |
| Methylene Chloride | 116 | 115 | 78-133 | 1 | 30 | | | | |
| Styrene | 101 | 99 | 78-125 | 2 | 30 | | | | |
| 1,1,2,2-Tetrachloroethane | 113 | 114 | 72-128 | 1 | 30 | | | | |
| Tetrachloroethene | 110 | 110 | 80-128 | 0 | 30 | | | | |
| Toluene | 112 | 110 | 80-125 | 1 | 30 | | | | |
| 1,1,1-Trichloroethane | 142 (2) | 79 (2) | 74-131 | 5 | 30 | | | | |
| 1,1,2-Trichloroethane | 107 | 103 | 77-124 | 3 | 30 | | | | |
| Trichloroethene | 116 | 113 | 88-133 | 2 | 30 | | | | |
| Vinyl Chloride | 104 | 106 | 66-133 | 2 | 30 | | | | |
| Xylene (Total) | 103 | 102 | 79-125 | 1 | 30 | | | | |

## Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed
unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E121171AA

| | Toluene-d8 |
|---|---|
| 6626541 | 95 |
| 6626542 | 96 |
| 6626543 | 96 |
| 6626544 | 96 |
| 6626545 | 96 |
| 6626546 | 96 |
| 6626547 | 96 |
| 6626548 | 96 |
| 6626549 | 96 |
| 6626550 | 95 |
| 6626551 | 95 |
| 6626552 | 96 |
| 6626553 | 96 |
| 6626554 | 96 |
| 6626556 | 95 |
| 6626557 | 96 |
| 6626566 | 96 |
| 6626567 | 96 |
| 6626568 | 96 |
| Blank | 96 |
| LCS | 96 |
| MS | 95 |
| MSD | 96 |
| Limits: | 80-120 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1304174
Reported: 05/04/12 at 12:19 PM

## Surrogate Quality Control

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E121172AA

| | Toluene-d8 |
|---|---|
| 6626555 | 97 |
| 6626558 | 96 |
| 6626559 | 96 |
| 6626560 | 96 |
| 6626561 | 96 |
| 6626562 | 97 |
| 6626563 | 96 |
| 6626564 | 96 |
| 6626565 | 96 |
| 6626570 | 96 |
| 6626571 | 96 |
| Blank | 96 |
| LCS | 96 |
| MS | 96 |
| MSD | 97 |
| Limits: | 80-120 |

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E121211AA

| | Toluene-d8 |
|---|---|
| 6626569 | 96 |
| Blank | 90 |
| LCS | 95 |
| MS | 92 |
| MSD | 96 |
| Limits: | 80-120 |

Analysis Name: 8260 Std. Water Master
Batch number: T121171AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| 6626541 | 103 | 99 | 97 | 102 |
| 6626542 | 108 | 98 | 96 | 101 |
| 6626543 | 108 | 97 | 95 | 103 |
| 6626544 | 108 | 98 | 96 | 103 |
| 6626545 | 111 | 95 | 95 | 102 |
| 6626546 | 107 | 97 | 97 | 101 |
| 6626547 | 109 | 97 | 97 | 102 |
| 6626560 | 108 | 96 | 97 | 102 |
| 6626561 | 105 | 95 | 98 | 106 |
| 6626562 | 104 | 93 | 101 | 106 |
| 6626563 | 105 | 98 | 98 | 102 |
| 6626564 | 104 | 95 | 99 | 103 |
| 6626565 | 105 | 93 | 98 | 104 |
| 6626566 | 106 | 97 | 98 | 102 |
| 6626567 | 106 | 95 | 96 | 103 |
| 6626568 | 107 | 96 | 98 | 101 |
| 6626569 | 107 | 97 | 97 | 102 |
| 6626570 | 106 | 95 | 97 | 103 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1304174
Reported: 05/04/12 at 12:19 PM

## Surrogate Quality Control

| | | | | |
|---|---|---|---|---|
| 6626571 | 107 | 93 | 98 | 104 |
| Blank | 103 | 98 | 97 | 101 |
| LCS | 104 | 97 | 98 | 104 |
| MS | 105 | 95 | 98 | 106 |
| MSD | 104 | 93 | 101 | 106 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

Analysis Name: 8260 Std. Water Master
Batch number: T121181AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| 6626548 | 108 | 96 | 97 | 102 |
| 6626549 | 105 | 96 | 97 | 102 |
| 6626550 | 108 | 97 | 96 | 100 |
| 6626551 | 105 | 94 | 97 | 103 |
| 6626552 | 107 | 96 | 97 | 103 |
| 6626553 | 107 | 96 | 96 | 101 |
| 6626554 | 113 | 97 | 96 | 103 |
| 6626555 | 113 | 97 | 97 | 103 |
| 6626556 | 107 | 99 | 97 | 102 |
| 6626557 | 108 | 96 | 96 | 102 |
| 6626558 | 107 | 94 | 97 | 102 |
| 6626559 | 108 | 96 | 97 | 102 |
| Blank | 107 | 98 | 96 | 102 |
| LCS | 106 | 96 | 98 | 103 |
| MS | 106 | 98 | 98 | 106 |
| MSD | 107 | 99 | 97 | 104 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Environmental Analysis Request/Chain of Custody

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Acct. # 6556 Group # 1304174 Sample # 6626541-71

**COC # 305024**

Please print. Instructions on reverse side correspond with circled numbers.

(1) Client: THE JOHNSON Co. Acct. #: 06556

Project Name/#: AD-GA / 1-0145-4 PWSID #:

Project Manager: Glen Kirkpatrick P.O.#:

Sampler: Tristan Hardy Quote #:

Name of state where samples were collected: GA

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FSC:
SCR#:

**Preservation Codes**
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

Please use a PQL of 2 µg/L for Vinyl Chloride

**Remarks**

(6) Temperature of samples upon receipt (if requested)

| (2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | (4) Matrix: Soil | Sediment | Ground Water | Surface Water | Potable | NPDES | Other: Lab DI $H_2O$ | Total # of Containers | (5) Analyses Requested: 8260 | 1,4-Dioxane by 1SO DI SIM | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | 1 | H | | | | | | | |
| Trip Blank | 4/21/12 | — | X | | | | | | | | X | 4 | 2 | 2 | | | | | | | |
| BR-20D | 4/21/12 | 1807 | X | | | | X | | | | | 6 | 3 | 3 | | | | | | | |
| MW-51D | 4/22/12 | 0857 | X | | | | X | | | | | 6 | 3 | 3 | | | | | | | |
| BR-20 | 4/22/12 | 0952 | X | | | | X | | | | | 6 | 3 | 3 | | | | | | | |
| MW-60D | 4/22/12 | 1107 | X | | | | X | | | | | 6 | 3 | 3 | | | | | | | |
| MW-37 | 4/22/12 | 1202 | X | | | | X | | | | | ~~5~~ 6 | 3 | ~~2~~ 3 | TEH 4/22/12 | | | | | | |
| MW-18D | 4/22/12 | 1402 | X | | | | X | | | | | 6 | 3 | 3 | | | | | | | |
| BR-6 | 4/22/12 | 1457 | X | | | | X | | | | | 6 | 3 | 3 | | | | | | | |
| MW-18S | 4/22/12 | 1607 | X | | | | X | | | | | 6 | 3 | 3 | | | | | | | |

(7) **Turnaround Time Requested** (TAT) (please circle): Standard Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone E-mail
Phone #:
E-mail address:

(8) **Data Package Options** (please circle if required)
Type I (Validation/non-CLP) MA MCP CT RCP
Type III (Reduced non-CLP)
Type IV (CLP SOW)
Type VI (Raw Data Only)
TX TRRP-13

EDD Required? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(if yes, indicate QC sample and submit triplicate sample volume)

(9)

| Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|
| | 4/23/12 | 1430 | | | |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | 4/24/12 | 0445 0920 |

# Environmental Analysis Request/Chain of Custody

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Acct. # 6556 Group # 1304174 Sample # 6626541-71

**COC # 305022**

Please print. Instructions on reverse side correspond with circled numbers.

(1) Client: The Johnson Co Acct. #: 06556

Project Name/#: AD-GA/1-0145-4 PWSID #:

Project Manager: Glen Kirkpatrick P.O.#:

Sampler: Ross Predom Quote #:

Name of state where samples were collected:

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FSC:
SCR#:

**Preservation Codes**
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

(6) Temperature of samples upon receipt (if requested)

| (2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | Matrix: Soil | Sediment | Water | Ground/Surface | Potable/NPDES | Other: | (4) Total # of Containers | (5) Analyses Requested: 8260 | Preservation Codes: H; 1,4-Dioxane by Isotope Dilution SIM | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BR-16 | 4-21-12 | 1317 | X | | | | X | | | | 6 | X | X | Please use a PQL of 2ug/L for Vinyl Chloride |
| MW-14 | 4-22-12 | 0805 | X | | | | X | | | | 6 | X | X | |
| MW-19D | 4-22-12 | 0952 | X | | | | X | | | | 6 | X | X | |
| MW-17 | 4-22-12 | 1105 | X | | | | X | | | | 6 | X | X | |
| MW-57D | 4-22-12 | 1247 | X | | | | X | | | | 6 | X | X | |
| MW-57I | 4-22-12 | 1345 | X | | | | X | | | | 6 | X | X | |

(7) **Turnaround Time Requested** (TAT) (please circle): (Standard) Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone E-mail
Phone #: 802 224 4600
E-mail address: GAK@JCOMAIL.COM

(8) **Data Package Options** (please circle if required)
Type I (Validation/non-CLP) MA MCP CT RCP
Type III (Reduced non-CLP)
Type IV (CLP SOW)
Type VI (Raw Data Only)
TX TRRP-13

EDD Required? (Yes) No

Site-specific QC (MS/MSD/Dup)? (Yes) No
(if yes, indicate QC sample and submit triplicate sample volume)

| Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|
| | 4-23-12 | 1430 | | | |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | 4/24/12 | 0920 |

(9)

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# Environmental Analysis Request/Chain of Custody

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Acct. # 6556 Group # 1304174 Sample # 662654 1-7

**COC # 305003**

Please print. Instructions on reverse side correspond with circled numbers.

(1) Client: The Johnson Co Acct. #: 06556

Project Name/#: AD-GA/1-0145-4 PWSID #:

Project Manager: Glen Kirkpatrick P.O.#:

Sampler: Tristan Hardy Quote #:

Name of state where samples were collected: GA

For Lab Use Only
FSC:
SCR#:

**Preservation Codes**
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

(6) Temperature of samples upon receipt (if requested)

| (2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | Matrix: Soil | Sediment | Water | Ground | Potable | Surface | NPDES | Other: Lab DI $H_2O$ | (4) Total # of Containers | (5) Analyses Requested: Preservation Codes: 1 | H | 8260 | 1,4-Dioxane by 150 Dil SIM | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Trip Blank | 4/22/12 | — | X | | | | | | | | | X | 4 | 2 | 2 | | | |
| MW-50D | 4/22/12 | 1717 | X | | | | X | | | | | | 6 | 3 | 3 | | | |
| MW-46I | 4/23/12 | 0902 | X | | | | X | | | | | | 6 | 3 | 3 | | | |
| MW-46D | | 1057 | X | | | | X | | | | | | 6 | 3 | 3 | | | |
| BR-17 | | 0947 | X | | | | X | | | | | | 18 | 9 | 9 | | | MS/MSD |
| MW-61 | | 1142 | X | | | | X | | | | | | 6 | 3 | 3 | | | |
| MW-12 | | 1302 | X | | | | X | | | | | | 6 | 3 | 3 | | | |
| DP-3 | | 1200 | X | | | | X | | | | | | 6 | 3 | 3 | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |

(7) **Turnaround Time Requested** (TAT) (please circle): (Standard) Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone E-mail
Phone #: 802-229-4600
E-mail address: GAK@scomail.com

(8) **Data Package Options** (please circle if required)
Type I (Validation/non-CLP) MA MCP CT RCP
Type II (Reduced non-CLP)
Type IV (CLP SOW)
Type VI (Raw Data Only)
TX TRRP-13

EDD Required? (Yes) No

Site-specific QC (MS/MSD/Dup)? (Yes) No
(if yes, indicate QC sample and submit triplicate sample volume)

(9)

| Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|
| | 4/23/12 | 1430 | | | |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | 4/24/12 | 0920 |

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# Environmental Analysis Request/Chain of Custody

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Acct. # 6556 Group # 1304174 Sample # 6626541-71

**COC # 305025**

Please print. Instructions on reverse side correspond with circled numbers.

(1) Client: The Johnson Co Acct. #: 06556

Project Name/#: Glen Kirkpatrick PWSID #:

RSP 4-22-12

Project Manager: AD-GA/1-0145.4 P.O.#:

Sampler: Ross Fredom Quote #:

Name of state where samples were collected: GA

For Lab Use Only
FSC:
SCR#:

**Preservation Codes**
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

(6) Temperature of samples upon receipt (if requested)

| (2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | Matrix: Soil | Sediment | Water | Ground | Surface | Potable | NPDES | Other: | (4) Total # of Containers | (5) Analyses Requested: Preservation Codes: H | 1,4-Dioxane by Isotope Dilution | 8260 | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-3 | 4-22-12 | 1445 | X | | | | X | | | | | | 6 | | X | X | |
| MW-4 RSP-4-23-12 | 4-22-12 | 1605 | X | | | | X | | | | | | 6 | | X | X | |
| MW-5S+D | 4-22-12 | 1737 | X | | | | X | | | | | | 6 | | X | X | |
| MW-12 | 4-23-12 | 0835 | X | | | | X | | | | | | 6 | | X | X | |
| MW-27D | 4-23-12 | 1150 | X | | | | X | | | | | | 6 | | X | X | |
| MW-27S | 4-23-12 | 1317 | X | | | | X | | | | | | 6 | | X | X | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |

Please Use PQL of 2 ug/L for Vinyl chloride

(7) **Turnaround Time Requested** (TAT) (please circle): Standard Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone E-mail
Phone #: 802 229 4600
E-mail address: GAK@JCOMAIL.COM

(8) **Data Package Options** (please circle if required)
Type I (Validation/non-CLP) MA MCP CT RCP
Type III (Reduced non-CLP)
Type IV (CLP SOW)
Type VI (Raw Data Only)
TX TRRP-13

EDD Required? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(if yes, indicate QC sample and submit triplicate sample volume)

| (9) Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|
| | 4-23-12 | 1414 | | | |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | 4/24/12 Date | 0920 Time |

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# Environmental Sample Administration
# Receipt Documentation Log

**Client/Project:** The Johnson Co.

**Date of Receipt:** 4/24/12

**Time of Receipt:** 0920

**Source Code:** SO-1

**Shipping Container Sealed:** (YES) NO

**Custody Seal Present * :** (YES) NO

* Custody seal was intact unless otherwise noted in the discrepancy section

**Package:** (Chilled) Not Chilled

| Temperature of Shipping Containers | | | | | | | |
|---|---|---|---|---|---|---|---|
| Cooler # | Thermometer ID | Temperature (°C) | Temp Bottle (TB) or Surface Temp (ST) | Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP) | Ice Present? Y/N | Loose (L) Bagged Ice (B) or NA | Comments |
| 1 | 2237 | 1.6°C | TB | WI | Y | B | |
| 2 | ↓ | 0.6°C | ↓ | ↓ | ↓ | ↓ | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |

**Number of Trip Blanks received NOT listed on chain of custody:** 0

**Paperwork Discrepancy/Unpacking Problems:**

**Unpacker Signature/Emp#:** 2316 **Date/Time:** 4/24/12 1025

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# Explanation of Symbols and Abbreviations

*The following defines common symbols and abbreviations used in reporting technical data:*

| | | | |
|---|---|---|---|
| **RL** | Reporting Limit | **BMQL** | Below Minimum Quantitation Level |
| **N.D.** | none detected | **MPN** | Most Probable Number |
| **TNTC** | Too Numerous To Count | **CP Units** | cobalt-chloroplatinate units |
| **IU** | International Units | **NTU** | nephelometric turbidity units |
| **umhos/cm** | micromhos/cm | **ng** | nanogram(s) |
| **C** | degrees Celsius | **F** | degrees Fahrenheit |
| **meq** | milliequivalents | **lb.** | pound(s) |
| **g** | gram(s) | **kg** | kilogram(s) |
| **µg** | microgram(s) | **mg** | milligram(s) |
| **mL** | milliliter(s) | **L** | liter(s) |
| **m3** | cubic meter(s) | **µL** | microliter(s) |
| | | **pg/L** | picogram/liter |

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

*Data Qualifiers:*

**C –** result confirmed by reanalysis.

**J -** estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

*U.S. EPA CLP Data Qualifiers:*

| **Organic Qualifiers** | | **Inorganic Qualifiers** | |
|---|---|---|---|
| **A** | TIC is a possible aldol-condensation product | **B** | Value is <CRDL, but ≥IDL |
| **B** | Analyte was also detected in the blank | **E** | Estimated due to interference |
| **C** | Pesticide result confirmed by GC/MS | **M** | Duplicate injection precision not met |
| **D** | Compound quantitated on a diluted sample | **N** | Spike sample not within control limits |
| **E** | Concentration exceeds the calibration range of the instrument | **S** | Method of standard additions (MSA) used for calculation |
| **N** | Presumptive evidence of a compound (TICs only) | **U** | Compound was not detected |
| **P** | Concentration difference between primary and confirmation columns >25% | **W** | Post digestion spike out of control limits |
| **U** | Compound was not detected | ***** | Duplicate analysis not within control limits |
| **X,Y,Z** | Defined in case narrative | **+** | Correlation coefficient for MSA <0.995 |

**Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.**

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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# Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

May 07, 2012

Project: Avery Dennison / Flowery Branch, GA

Submittal Date: 04/25/2012
Group Number: 1304506
PO Number: 1-0145-4
State of Sample Origin: GA

| Client Sample Description | Lancaster Labs (LLI) # |
|---|---|
| Trip Blank Water | 6628236 |
| BR-21D Grab Water | 6628237 |
| EB-1 Grab Water | 6628238 |
| MW-26D Grab Water | 6628239 |
| MW-26S Grab Water | 6628240 |
| MW-59D Grab Water | 6628241 |
| MW-59D Grab Water | 6628242 |
| MW-59D Grab Water | 6628243 |
| MW-25DRX Grab Water | 6628244 |
| MW-19S Grab Water | 6628245 |
| MW-62 Grab Water | 6628246 |
| BR-22S Grab Water | 6628247 |
| MW-11 Grab Water | 6628248 |
| BR-22D Grab Water | 6628249 |
| BR-8S Grab Water | 6628250 |
| MW-28 Grab Water | 6628251 |
| BR-8D Grab Water | 6628252 |

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO The Johnson Company, Inc. Attn: Glen Kirkpatrick

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Respectfully Submitted,



Wendy A. Kozma
Principal Specialist Group Leader

(717) 556-7257

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# Analysis Report



**Sample Description: Trip Blank Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6628236**
**LLI Group # 1304506**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/23/2012

Submitted: 04/25/2012 09:15
Reported: 05/07/2012 18:15

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AYD01

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: Trip Blank Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6628236**
**LLI Group # 1304506**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/23/2012

Submitted: 04/25/2012 09:15
Reported: 05/07/2012 18:15

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AYD01

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121181AA | 04/27/2012 09:56 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121181AA | 04/27/2012 12:06 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | T121181AA | 04/27/2012 09:56 | Linda C Pape | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E121181AA | 04/27/2012 12:06 | Jason M Long | 1 |

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# Analysis Report



**Sample Description: BR-21D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6628237**
**LLI Group # 1304506**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/23/2012 17:07 by TH

Submitted: 04/25/2012 09:15
Reported: 05/07/2012 18:15

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AYD02

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | 91 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 39 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 52 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: BR-21D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6628237**
**LLI Group # 1304506**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/23/2012 17:07 by TH

Submitted: 04/25/2012 09:15
Reported: 05/07/2012 18:15

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AYD02

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121181AA | 04/27/2012 15:31 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121181AA | 04/27/2012 18:46 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | T121181AA | 04/27/2012 15:31 | Linda C Pape | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E121181AA | 04/27/2012 18:46 | Jason M Long | 1 |

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# Analysis Report



**Sample Description: EB-1 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6628238**
**LLI Group # 1304506**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/24/2012 08:03 by TH

Submitted: 04/25/2012 09:15
Reported: 05/07/2012 18:15

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AYD03

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: EB-1 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6628238**
**LLI Group # 1304506**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/24/2012 08:03 by TH

Submitted: 04/25/2012 09:15
Reported: 05/07/2012 18:15

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AYD03

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121211AA | 04/30/2012 09:55 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121181AA | 04/27/2012 14:27 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121181AA | 04/27/2012 14:27 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121211AA | 04/30/2012 09:55 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: MW-26D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6628239**
**LLI Group # 1304506**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/24/2012 08:42 by TH

Submitted: 04/25/2012 09:15
Reported: 05/07/2012 18:15

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AYD04

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 57 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 23 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-26D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6628239**
**LLI Group # 1304506**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/24/2012 08:42 by TH

Submitted: 04/25/2012 09:15
Reported: 05/07/2012 18:15

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AYD04

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121181AA | 04/27/2012 15:55 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121181AA | 04/27/2012 18:06 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | T121181AA | 04/27/2012 15:55 | Linda C Pape | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E121181AA | 04/27/2012 18:06 | Jason M Long | 1 |

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# Analysis Report



**Sample Description: MW-26S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6628240**
**LLI Group # 1304506**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/24/2012 10:02 by TH

Submitted: 04/25/2012 09:15
Reported: 05/07/2012 18:15

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AYD05

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 7 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-26S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6628240**
**LLI Group # 1304506**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/24/2012 10:02 by TH

Submitted: 04/25/2012 09:15
Reported: 05/07/2012 18:15

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AYD05

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121211AA | 04/30/2012 11:55 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121181AA | 04/27/2012 19:26 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121181AA | 04/27/2012 19:26 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121211AA | 04/30/2012 11:55 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: MW-59D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6628241**
**LLI Group # 1304506**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/24/2012 11:47 by TH

Submitted: 04/25/2012 09:15
Reported: 05/07/2012 18:15

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AYD06

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 20 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 270 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 240 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 210 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 4.9 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-59D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6628241**
**LLI Group # 1304506**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/24/2012 11:47 by TH

Submitted: 04/25/2012 09:15
Reported: 05/07/2012 18:15

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AYD06

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121181AA | 04/27/2012 10:20 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121211AA | 04/30/2012 17:36 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | T121181AA | 04/27/2012 10:20 | Linda C Pape | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E121211AA | 04/30/2012 17:36 | Jason M Long | 1 |

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# Analysis Report



**Sample Description: MW-59D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6628242**
**LLI Group # 1304506**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/24/2012 11:47 by TH

Submitted: 04/25/2012 09:15
Reported: 05/07/2012 18:15

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Suite 600
100 State Street
Montpelier VT 05602

AYD06

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | 150 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | 23 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | 24 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | 19 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | 21 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | 170 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | 21 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | 27 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | 21 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 40 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | 25 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | 21 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | 22 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 290 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | 27 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 270 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | 23 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | 22 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | 22 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | 23 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | 23 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | 21 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | 97 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | 100 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | 23 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | 20 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 23 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | 27 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | 22 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 230 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | 21 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | 28 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 21 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | 62 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 10 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-59D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6628242**
**LLI Group # 1304506**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/24/2012 11:47 by TH

Submitted: 04/25/2012 09:15
Reported: 05/07/2012 18:15

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AYD06

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121181AA | 04/27/2012 10:44 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121211AA | 04/30/2012 18:15 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | T121181AA | 04/27/2012 10:44 | Linda C Pape | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E121211AA | 04/30/2012 18:15 | Jason M Long | 1 |

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# Analysis Report



**Sample Description: MW-59D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6628243**
**LLI Group # 1304506**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/24/2012 11:47 by TH

Submitted: 04/25/2012 09:15
Reported: 05/07/2012 18:15

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100 State Street
Montpelier VT 05602

AYD06

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | 140 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | 23 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | 23 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | 19 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | 21 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | 160 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | 21 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | 27 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | 21 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 39 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | 25 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | 21 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | 21 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 280 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | 26 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 260 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | 23 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | 22 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | 22 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | 22 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | 22 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | 20 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | 96 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | 99 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | 23 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | 20 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 23 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | 27 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | 22 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 220 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | 21 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | 28 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 21 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | 61 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 10 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-59D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6628243**
**LLI Group # 1304506**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/24/2012 11:47 by TH

Submitted: 04/25/2012 09:15
Reported: 05/07/2012 18:15

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AYD06

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121181AA | 04/27/2012 11:08 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121211AA | 04/30/2012 18:35 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | T121181AA | 04/27/2012 11:08 | Linda C Pape | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E121211AA | 04/30/2012 18:35 | Jason M Long | 1 |

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# Analysis Report



**Sample Description: MW-25DRX Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6628244**
**LLI Group # 1304506**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/24/2012 13:32 by TH

Submitted: 04/25/2012 09:15
Reported: 05/07/2012 18:15

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AYD07

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

The GC/MS volatile internal standard peak areas were outside the QC limits. A re-analysis was performed, and the matrix effect was confirmed.

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

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# Analysis Report



**Sample Description: MW-25DRX Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6628244**
**LLI Group # 1304506**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/24/2012 13:32 by TH

Submitted: 04/25/2012 09:15
Reported: 05/07/2012 18:15

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AYD07

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121211AA | 04/30/2012 12:19 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121181AA | 04/27/2012 14:46 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121181AA | 04/27/2012 14:46 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121211AA | 04/30/2012 12:19 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: MW-19S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6628245**
**LLI Group # 1304506**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/24/2012 15:22 by TH

Submitted: 04/25/2012 09:15
Reported: 05/07/2012 18:15

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AYD08

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-19S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6628245**
**LLI Group # 1304506**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/24/2012 15:22 by TH

Submitted: 04/25/2012 09:15
Reported: 05/07/2012 18:15

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AYD08

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121211AA | 04/30/2012 12:43 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121181AA | 04/27/2012 15:06 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121181AA | 04/27/2012 15:06 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121211AA | 04/30/2012 12:43 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: MW-62 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6628246**
**LLI Group # 1304506**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/23/2012 14:47 by RP

Submitted: 04/25/2012 09:15
Reported: 05/07/2012 18:15

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AYD09

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | 21 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | 32 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-62 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6628246**
**LLI Group # 1304506**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/23/2012 14:47 by RP

Submitted: 04/25/2012 09:15
Reported: 05/07/2012 18:15

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AYD09

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121181AA | 04/27/2012 16:19 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121181AA | 04/27/2012 15:26 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121181AA | 04/27/2012 15:26 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121181AA | 04/27/2012 16:19 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: BR-22S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6628247**
**LLI Group # 1304506**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/23/2012 16:02 by RP

Submitted: 04/25/2012 09:15
Reported: 05/07/2012 18:15

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AYD10

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: BR-22S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6628247**
**LLI Group # 1304506**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/23/2012 16:02 by RP

Submitted: 04/25/2012 09:15
Reported: 05/07/2012 18:15

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AYD10

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121181AA | 04/27/2012 16:43 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121181AA | 04/27/2012 15:46 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121181AA | 04/27/2012 15:46 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121181AA | 04/27/2012 16:43 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: MW-11 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6628248**
**LLI Group # 1304506**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/23/2012 17:10 by RP

Submitted: 04/25/2012 09:15
Reported: 05/07/2012 18:15

The Johnson Company, Inc.
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100 State Street
Montpelier VT 05602

AYD11

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-11 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6628248**
**LLI Group # 1304506**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/23/2012 17:10 by RP

Submitted: 04/25/2012 09:15
Reported: 05/07/2012 18:15

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AYD11

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121181AA | 04/27/2012 17:07 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121181AA | 04/27/2012 18:26 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | T121181AA | 04/27/2012 17:07 | Linda C Pape | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E121181AA | 04/27/2012 18:26 | Jason M Long | 1 |

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# Analysis Report



**Sample Description: BR-22D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6628249**
**LLI Group # 1304506**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/24/2012 09:20 by RP

Submitted: 04/25/2012 09:15
Reported: 05/07/2012 18:15

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AYD12

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | 12 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: BR-22D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6628249**
**LLI Group # 1304506**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/24/2012 09:20 by RP

Submitted: 04/25/2012 09:15
Reported: 05/07/2012 18:15

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AYD12

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121211AA | 04/30/2012 13:07 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121181AA | 04/27/2012 16:06 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121181AA | 04/27/2012 16:06 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121211AA | 04/30/2012 13:07 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: BR-8S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6628250**
**LLI Group # 1304506**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/24/2012 11:35 by RP

Submitted: 04/25/2012 09:15
Reported: 05/07/2012 18:15

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AYD13

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: BR-8S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6628250**
**LLI Group # 1304506**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/24/2012 11:35 by RP

Submitted: 04/25/2012 09:15
Reported: 05/07/2012 18:15

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AYD13

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121211AA | 04/30/2012 13:31 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121181AA | 04/27/2012 16:26 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121181AA | 04/27/2012 16:26 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121211AA | 04/30/2012 13:31 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: MW-28 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6628251**
**LLI Group # 1304506**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/24/2012 12:52 by RP

Submitted: 04/25/2012 09:15
Reported: 05/07/2012 18:15

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AYD14

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-28 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6628251**
**LLI Group # 1304506**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/24/2012 12:52 by RP

Submitted: 04/25/2012 09:15
Reported: 05/07/2012 18:15

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AYD14

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121211AA | 04/30/2012 13:54 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121181AA | 04/27/2012 16:46 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121181AA | 04/27/2012 16:46 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121211AA | 04/30/2012 13:54 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: BR-8D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6628252**
**LLI Group # 1304506**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/24/2012 13:20 by RP

Submitted: 04/25/2012 09:15
Reported: 05/07/2012 18:15

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AYD15

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: BR-8D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6628252**
**LLI Group # 1304506**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/24/2012 13:20 by RP

Submitted: 04/25/2012 09:15
Reported: 05/07/2012 18:15

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AYD15

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121211AA | 04/30/2012 14:18 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121181AA | 04/27/2012 17:06 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121181AA | 04/27/2012 17:06 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121211AA | 04/30/2012 14:18 | Linda C Pape | 1 |

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# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1304506
Reported: 05/07/12 at 06:15 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

## Laboratory Compliance Quality Control

| Analysis Name | Blank Result | Blank LOQ | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: E121181AA | Sample number(s): 6628236-6628240,6628244-6628252 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 115 | | 80-123 | | |
| Batch number: E121211AA | Sample number(s): 6628241-6628243 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 107 | | 80-123 | | |
| Batch number: T121181AA | Sample number(s): 6628236-6628237,6628239,6628241-6628243,6628246-6628248 | | | | | | | |
| Acetone | < 20 | 20. | ug/l | 153 | | 38-212 | | |
| Benzene | < 5 | 5. | ug/l | 106 | | 77-121 | | |
| Bromodichloromethane | < 5 | 5. | ug/l | 108 | | 73-120 | | |
| Bromoform | < 5 | 5. | ug/l | 95 | | 61-120 | | |
| Bromomethane | < 5 | 5. | ug/l | 92 | | 44-120 | | |
| 2-Butanone | < 10 | 10. | ug/l | 131 | | 53-155 | | |
| Carbon Disulfide | < 5 | 5. | ug/l | 90 | | 62-125 | | |
| Carbon Tetrachloride | < 5 | 5. | ug/l | 112 | | 67-122 | | |
| Chlorobenzene | < 5 | 5. | ug/l | 99 | | 80-120 | | |
| Chloroethane | < 5 | 5. | ug/l | 89 | | 49-129 | | |
| Chloroform | < 5 | 5. | ug/l | 114 | | 77-122 | | |
| Chloromethane | < 5 | 5. | ug/l | 98 | | 60-129 | | |
| Dibromochloromethane | < 5 | 5. | ug/l | 105 | | 72-120 | | |
| 1,1-Dichloroethane | < 5 | 5. | ug/l | 106 | | 79-120 | | |
| 1,2-Dichloroethane | < 5 | 5. | ug/l | 129 | | 64-130 | | |
| 1,1-Dichloroethene | < 2 | 2. | ug/l | 95 | | 80-120 | | |
| cis-1,2-Dichloroethene | < 5 | 5. | ug/l | 103 | | 80-120 | | |
| trans-1,2-Dichloroethene | < 5 | 5. | ug/l | 97 | | 80-120 | | |
| 1,2-Dichloropropane | < 5 | 5. | ug/l | 103 | | 80-120 | | |
| cis-1,3-Dichloropropene | < 5 | 5. | ug/l | 107 | | 78-120 | | |
| trans-1,3-Dichloropropene | < 5 | 5. | ug/l | 109 | | 79-120 | | |
| Ethylbenzene | < 5 | 5. | ug/l | 97 | | 79-120 | | |
| 2-Hexanone | < 10 | 10. | ug/l | 102 | | 53-139 | | |
| 4-Methyl-2-pentanone | < 10 | 10. | ug/l | 100 | | 58-133 | | |
| Methylene Chloride | < 5 | 5. | ug/l | 106 | | 80-126 | | |
| Styrene | < 5 | 5. | ug/l | 94 | | 77-120 | | |
| 1,1,2,2-Tetrachloroethane | < 5 | 5. | ug/l | 110 | | 75-123 | | |
| Tetrachloroethene | < 5 | 5. | ug/l | 99 | | 79-120 | | |
| Toluene | < 5 | 5. | ug/l | 104 | | 79-120 | | |
| 1,1,1-Trichloroethane | < 5 | 5. | ug/l | 111 | | 70-121 | | |
| 1,1,2-Trichloroethane | < 5 | 5. | ug/l | 104 | | 80-120 | | |
| Trichloroethene | < 5 | 5. | ug/l | 104 | | 80-120 | | |
| Vinyl Chloride | < 2 | 2. | ug/l | 91 | | 56-123 | | |
| Xylene (Total) | < 5 | 5. | ug/l | 94 | | 77-120 | | |
| Batch number: T121211AA | Sample number(s): 6628238,6628240,6628244-6628245,6628249-6628252 | | | | | | | |
| Acetone | < 20 | 20. | ug/l | 85 | | 38-212 | | |
| Benzene | < 5 | 5. | ug/l | 102 | | 77-121 | | |
| Bromodichloromethane | < 5 | 5. | ug/l | 104 | | 73-120 | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1304506
Reported: 05/07/12 at 06:15 PM

| Analysis Name | Blank Result | Blank LOQ | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Bromoform | < 5 | 5. | ug/l | 98 | | 61-120 | | |
| Bromomethane | < 5 | 5. | ug/l | 81 | | 44-120 | | |
| 2-Butanone | < 10 | 10. | ug/l | 96 | | 53-155 | | |
| Carbon Disulfide | < 5 | 5. | ug/l | 88 | | 62-125 | | |
| Carbon Tetrachloride | < 5 | 5. | ug/l | 108 | | 67-122 | | |
| Chlorobenzene | < 5 | 5. | ug/l | 100 | | 80-120 | | |
| Chloroethane | < 5 | 5. | ug/l | 86 | | 49-129 | | |
| Chloroform | < 5 | 5. | ug/l | 106 | | 77-122 | | |
| Chloromethane | < 5 | 5. | ug/l | 85 | | 60-129 | | |
| Dibromochloromethane | < 5 | 5. | ug/l | 106 | | 72-120 | | |
| 1,1-Dichloroethane | < 5 | 5. | ug/l | 101 | | 79-120 | | |
| 1,2-Dichloroethane | < 5 | 5. | ug/l | 113 | | 64-130 | | |
| 1,1-Dichloroethene | < 2 | 2. | ug/l | 95 | | 80-120 | | |
| cis-1,2-Dichloroethene | < 5 | 5. | ug/l | 101 | | 80-120 | | |
| trans-1,2-Dichloroethene | < 5 | 5. | ug/l | 98 | | 80-120 | | |
| 1,2-Dichloropropane | < 5 | 5. | ug/l | 101 | | 80-120 | | |
| cis-1,3-Dichloropropene | < 5 | 5. | ug/l | 106 | | 78-120 | | |
| trans-1,3-Dichloropropene | < 5 | 5. | ug/l | 106 | | 79-120 | | |
| Ethylbenzene | < 5 | 5. | ug/l | 95 | | 79-120 | | |
| 2-Hexanone | < 10 | 10. | ug/l | 91 | | 53-139 | | |
| 4-Methyl-2-pentanone | < 10 | 10. | ug/l | 93 | | 58-133 | | |
| Methylene Chloride | < 5 | 5. | ug/l | 102 | | 80-126 | | |
| Styrene | < 5 | 5. | ug/l | 94 | | 77-120 | | |
| 1,1,2,2-Tetrachloroethane | < 5 | 5. | ug/l | 106 | | 75-123 | | |
| Tetrachloroethene | < 5 | 5. | ug/l | 102 | | 79-120 | | |
| Toluene | < 5 | 5. | ug/l | 103 | | 79-120 | | |
| 1,1,1-Trichloroethane | < 5 | 5. | ug/l | 105 | | 70-121 | | |
| 1,1,2-Trichloroethane | < 5 | 5. | ug/l | 103 | | 80-120 | | |
| Trichloroethene | < 5 | 5. | ug/l | 101 | | 80-120 | | |
| Vinyl Chloride | < 2 | 2. | ug/l | 86 | | 56-123 | | |
| Xylene (Total) | < 5 | 5. | ug/l | 96 | | 77-120 | | |

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| Batch number: E121181AA | Sample number(s): 6628236-6628240,6628244-6628252 UNSPK: P628940 | | | | | | | | |
| 1,4-Dioxane | 113 | 122 | 73-138 | 4 | 30 | | | | |
| Batch number: E121211AA | Sample number(s): 6628241-6628243 UNSPK: 6628241 | | | | | | | | |
| 1,4-Dioxane | 105 | 105 | 73-138 | 0 | 30 | | | | |
| Batch number: T121181AA | Sample number(s): 6628236-6628237,6628239,6628241-6628243,6628246-6628248 UNSPK: 6628241 | | | | | | | | |
| Acetone | 99 | 96 | 52-139 | 2 | 30 | | | | |
| Benzene | 116 | 115 | 72-134 | 1 | 30 | | | | |
| Bromodichloromethane | 118 | 115 | 78-125 | 2 | 30 | | | | |
| Bromoform | 96 | 96 | 48-118 | 0 | 30 | | | | |
| Bromomethane | 103 | 105 | 38-149 | 2 | 30 | | | | |
| 2-Butanone | 111 | 109 | 57-138 | 2 | 30 | | | | |
| Carbon Disulfide | 103 | 103 | 67-135 | 0 | 30 | | | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1304506
Reported: 05/07/12 at 06:15 PM

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| Carbon Tetrachloride | 137* | 135 | 72-135 | 1 | 30 | | | | |
| Chlorobenzene | 107 | 106 | 87-124 | 1 | 30 | | | | |
| Chloroethane | 96 | 93 | 51-145 | 2 | 30 | | | | |
| Chloroform | 125 | 123 | 81-134 | 1 | 30 | | | | |
| Chloromethane | 106 | 107 | 67-154 | 2 | 30 | | | | |
| Dibromochloromethane | 110 | 107 | 74-116 | 2 | 30 | | | | |
| 1,1-Dichloroethane | 117 (2) | 54 (2) | 84-129 | 4 | 30 | | | | |
| 1,2-Dichloroethane | 135* | 132* | 68-131 | 2 | 30 | | | | |
| 1,1-Dichloroethene | 139 (2) | 73 (2) | 85-142 | 5 | 30 | | | | |
| cis-1,2-Dichloroethene | 110 | 109 | 85-125 | 1 | 30 | | | | |
| trans-1,2-Dichloroethene | 110 | 109 | 87-126 | 1 | 30 | | | | |
| 1,2-Dichloropropane | 111 | 110 | 83-124 | 1 | 30 | | | | |
| cis-1,3-Dichloropropene | 113 | 112 | 70-116 | 1 | 30 | | | | |
| trans-1,3-Dichloropropene | 115 | 112 | 74-119 | 2 | 30 | | | | |
| Ethylbenzene | 103 | 102 | 71-134 | 1 | 30 | | | | |
| 2-Hexanone | 97 | 96 | 55-127 | 1 | 30 | | | | |
| 4-Methyl-2-pentanone | 100 | 99 | 63-123 | 1 | 30 | | | | |
| Methylene Chloride | 116 | 115 | 78-133 | 1 | 30 | | | | |
| Styrene | 101 | 99 | 78-125 | 2 | 30 | | | | |
| 1,1,2,2-Tetrachloroethane | 113 | 114 | 72-128 | 1 | 30 | | | | |
| Tetrachloroethene | 110 | 110 | 80-128 | 0 | 30 | | | | |
| Toluene | 112 | 110 | 80-125 | 1 | 30 | | | | |
| 1,1,1-Trichloroethane | 142 (2) | 79 (2) | 74-131 | 5 | 30 | | | | |
| 1,1,2-Trichloroethane | 107 | 103 | 77-124 | 3 | 30 | | | | |
| Trichloroethene | 116 | 113 | 88-133 | 2 | 30 | | | | |
| Vinyl Chloride | 104 | 106 | 66-133 | 2 | 30 | | | | |
| Xylene (Total) | 103 | 102 | 79-125 | 1 | 30 | | | | |
| Batch number: T121211AA | Sample number(s): 6628238,6628240,6628244-6628245,6628249-6628252 UNSPK: P629767 | | | | | | | | |
| Acetone | 87 | 88 | 52-139 | 1 | 30 | | | | |
| Benzene | 109 | 109 | 72-134 | 0 | 30 | | | | |
| Bromodichloromethane | 109 | 108 | 78-125 | 1 | 30 | | | | |
| Bromoform | 99 | 101 | 48-118 | 2 | 30 | | | | |
| Bromomethane | 90 | 88 | 38-149 | 2 | 30 | | | | |
| 2-Butanone | 97 | 98 | 57-138 | 1 | 30 | | | | |
| Carbon Disulfide | 98 | 99 | 67-135 | 2 | 30 | | | | |
| Carbon Tetrachloride | 119 | 119 | 72-135 | 0 | 30 | | | | |
| Chlorobenzene | 106 | 108 | 87-124 | 2 | 30 | | | | |
| Chloroethane | 95 | 92 | 51-145 | 3 | 30 | | | | |
| Chloroform | 112 | 113 | 81-134 | 1 | 30 | | | | |
| Chloromethane | 92 | 93 | 67-154 | 1 | 30 | | | | |
| Dibromochloromethane | 110 | 110 | 74-116 | 0 | 30 | | | | |
| 1,1-Dichloroethane | 109 | 105 | 84-129 | 1 | 30 | | | | |
| 1,2-Dichloroethane | 119 | 122 | 68-131 | 2 | 30 | | | | |
| 1,1-Dichloroethene | 108 (2) | 70 (2) | 85-142 | 3 | 30 | | | | |
| cis-1,2-Dichloroethene | 108 | 110 | 85-125 | 2 | 30 | | | | |
| trans-1,2-Dichloroethene | 107 | 112 | 87-126 | 4 | 30 | | | | |
| 1,2-Dichloropropane | 105 | 110 | 83-124 | 4 | 30 | | | | |
| cis-1,3-Dichloropropene | 109 | 111 | 70-116 | 1 | 30 | | | | |
| trans-1,3-Dichloropropene | 107 | 110 | 74-119 | 3 | 30 | | | | |
| Ethylbenzene | 102 | 105 | 71-134 | 4 | 30 | | | | |
| 2-Hexanone | 90 | 93 | 55-127 | 4 | 30 | | | | |
| 4-Methyl-2-pentanone | 94 | 95 | 63-123 | 1 | 30 | | | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1304506
Reported: 05/07/12 at 06:15 PM

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| Methylene Chloride | 108 | 109 | 78-133 | 1 | 30 | | | | |
| Styrene | 100 | 103 | 78-125 | 3 | 30 | | | | |
| 1,1,2,2-Tetrachloroethane | 107 | 107 | 72-128 | 0 | 30 | | | | |
| Tetrachloroethene | 114 | 115 | 80-128 | 1 | 30 | | | | |
| Toluene | 109 | 110 | 80-125 | 1 | 30 | | | | |
| 1,1,1-Trichloroethane | 114 | 114 | 74-131 | 0 | 30 | | | | |
| 1,1,2-Trichloroethane | 107 | 108 | 77-124 | 1 | 30 | | | | |
| Trichloroethene | 113 | 116 | 88-133 | 2 | 30 | | | | |
| Vinyl Chloride | 98 | 99 | 66-133 | 2 | 30 | | | | |
| Xylene (Total) | 102 | 104 | 79-125 | 2 | 30 | | | | |

## Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed
unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E121181AA

| | Toluene-d8 |
|---|---|
| 6628236 | 96 |
| 6628237 | 96 |
| 6628238 | 96 |
| 6628239 | 96 |
| 6628240 | 96 |
| 6628244 | 96 |
| 6628245 | 96 |
| 6628246 | 96 |
| 6628247 | 96 |
| 6628248 | 96 |
| 6628249 | 96 |
| 6628250 | 96 |
| 6628251 | 96 |
| 6628252 | 96 |
| Blank | 96 |
| LCS | 96 |
| MS | 96 |
| MSD | 96 |
| Limits: | 80-120 |

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E121211AA

| | Toluene-d8 |
|---|---|
| 6628241 | 97 |
| 6628242 | 92 |
| 6628243 | 96 |
| Blank | 90 |
| LCS | 95 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1304506
Reported: 05/07/12 at 06:15 PM

## Surrogate Quality Control

| | |
|---|---|
| MS | 92 |
| MSD | 96 |
| Limits: | 80-120 |

Analysis Name: 8260 Std. Water Master
Batch number: T121181AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| 6628236 | 106 | 95 | 97 | 101 |
| 6628237 | 108 | 98 | 98 | 103 |
| 6628239 | 109 | 96 | 97 | 102 |
| 6628241 | 110 | 96 | 95 | 100 |
| 6628242 | 106 | 98 | 98 | 106 |
| 6628243 | 107 | 99 | 97 | 104 |
| 6628246 | 108 | 95 | 95 | 101 |
| 6628247 | 107 | 96 | 95 | 100 |
| 6628248 | 108 | 97 | 95 | 103 |
| Blank | 107 | 98 | 96 | 102 |
| LCS | 106 | 96 | 98 | 103 |
| MS | 106 | 98 | 98 | 106 |
| MSD | 107 | 99 | 97 | 104 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

Analysis Name: 8260 Std. Water Master
Batch number: T121211AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| 6628238 | 103 | 99 | 97 | 98 |
| 6628240 | 102 | 97 | 96 | 98 |
| 6628244 | 102 | 96 | 99 | 100 |
| 6628245 | 103 | 95 | 99 | 100 |
| 6628249 | 102 | 96 | 98 | 100 |
| 6628250 | 105 | 97 | 98 | 102 |
| 6628251 | 104 | 93 | 98 | 100 |
| 6628252 | 105 | 95 | 97 | 100 |
| Blank | 102 | 96 | 97 | 98 |
| LCS | 102 | 97 | 97 | 98 |
| MS | 102 | 98 | 98 | 101 |
| MSD | 103 | 97 | 99 | 102 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Environmental Analysis Request/Chain of Custody

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For Lancaster Laboratories use only

Acct. # 6556 Group # 1304506 Sample # 6628236-52

**COC # 305005**

Please print. Instructions on reverse side correspond with circled numbers.

(1) Client: The Johnson Co. Acct. #: 06556

Project Name/#: AD-GA/1-0145-4 PWSID #:

Project Manager: Glen Kirkpatrick P.O.#:

Sampler: Tristan Hardy Quote #:

Name of state where samples were collected: GA

For Lab Use Only
FSC:
SCR#:

Preservation Codes
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

(6) Temperature of samples upon receipt (if requested)

| (2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | (4) Matrix: Soil | Sediment | Water | Ground/Surface | Potable/NPDES | Other: Lab DI H2O | Total # of Containers | (5) Analyses Requested: Preservation Codes — | H | 8260 | 1,4-Dioxane by 1SO DLC SIM | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Trip Blank | 4/23/12 | — | X | | | | | | | X | 4 | | | 2 | 2 | |
| BR-21D | 4/23/12 | 1707 | X | | | | X | | | X | 6 | | | 3 | 3 | |
| EB-1 | 4/24/12 | 0803 | X | | | | X | | | X | 4 3 | | | 3 | 2 | TEH 4/24/11 |
| MW-26D | | 0842 | X | | | | X | | | | 6 | | | 3 | 3 | |
| MW-26S | | 1002 | X | | | | X | | | | 6 | | | 3 | 3 | |
| MW-59D | | 1147 | X | | | | X | | | | 18 | | | 9 | 9 | MS/MSD |
| MW-25DRX | | 1332 | X | | | | X | | | | 6 | | | 3 | 3 | |
| MW-19S | | 1522 | X | | | | X | | | | 6 | | | 3 | 3 | |

Please use a PQL of 2 µg/L for Vinyl Chloride

(7) **Turnaround Time Requested** (TAT) (please circle): (Standard) Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone E-mail
Phone #: 602-229-4600
E-mail address: GAK@jcomail.com

(8) **Data Package Options** (please circle if required)
Type I (Validation/non-CLP) MA MCP CT RCP
Type III (Reduced non-CLP)
Type IV (CLP SOW)
Type VI (Raw Data Only)
TX TRRP-13

EDD Required? (Yes) No

Site-specific QC (MS/MSD/Dup)? (Yes) No
(if yes, indicate QC sample and submit triplicate sample volume)

(9)

| Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|
| | 4/24/12 | 1535 | | | |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | 4/25/12 | 0915 |

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 717-656-2300

Issued by Dept. 40 Management

The white copy should accompany samples to Lancaster Laboratories. The yellow copy should be retained by the client.

7044.01

# Environmental Analysis Request/Chain of Custody

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For Lancaster Laboratories use only

Acct. # 6556 Group # 1304506 Sample # 6628236-52

**COC # 305004**

Please print. Instructions on reverse side correspond with circled numbers.

(1) Client: The Johnson Co. Acct. #: 06556

Project Name/#: AD-GA/1-0145-4 PWSID #:

Project Manager: Glen Kirkpatrick P.O.#:

Sampler: Ross Predom Quote #:

Name of state where samples were collected: GA

For Lab Use Only

FSC:

SCR#:

| (2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | (4) Matrix: Soil | Sediment | Water | Ground/Surface/Potable/NPDES | Other: | Total # of Containers | (5) Analyses Requested / Preservation Codes: — | H | 8260 | 1,4 Dioxane SIM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-6Z | 4-23-12 | 1447 | X | | | | X | | | 6 | | | X | X |
| BR-22S | 4-23-12 | 1602 | X | | | | X | | | 6 | | | X | X |
| MW-11 | 4-23-12 | 1710 | X | | | | X | | | 6 | | | X | X |
| BR-22D | 4-24-12 | 0920 | X | | | | X | | | 6 | | | X | X |
| BR-8S | 4-24-12 | 1135 | X | | | | X | | | 6 | | | X | X |
| MW-28 | 4-24-12 | 1252 | X | | | | X | | | 6 | | | X | X |
| BR-8D | 4-24-12 | 1320 | X | | | | X | | | 6 | | | X | X |

**Preservation Codes**
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

(6) Remarks: Please use a PQL of 2ug/L for Vinyl Chloride

Temperature of samples upon receipt (if requested)

(7) **Turnaround Time Requested** (TAT) (please circle): Standard Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone E-mail
Phone #: 302 229 4600
E-mail address: GAK@JCOMAIL.com

(8) **Data Package Options** (please circle if required)
Type I (Validation/non-CLP) MA MCP CT RCP
Type III (Reduced non-CLP)
Type IV (CLP SOW)
Type VI (Raw Data Only)
TX TRRP-13

EDD Required? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(if yes, indicate QC sample and submit triplicate sample volume)

(9)

| Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|
| | 4-24-12 | 1535 | | | |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: Lauren Lehman | 4/25/12 | 0915 |

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# Environmental Sample Administration
# Receipt Documentation Log

**Client/Project:** Johnson Co

**Date of Receipt:** 4/25/12

**Time of Receipt:** 0915

**Source Code:** So-1

**Shipping Container Sealed:** (YES) NO

**Custody Seal Present * :** (YES) NO

* Custody seal was intact unless otherwise noted in the discrepancy section

**Package:** (Chilled) Not Chilled

| Temperature of Shipping Containers | | | | | | | |
|---|---|---|---|---|---|---|---|
| Cooler # | Thermometer ID | Temperature (°C) | Temp Bottle (TB) or Surface Temp (ST) | Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP) | Ice Present? Y/N | Loose (L) Bagged Ice (B) or NA | Comments |
| 1 | 2737 | 2.3 | TB | WI | Y | B | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |

**Number of Trip Blanks received NOT listed on chain of custody:** 0

**Paperwork Discrepancy/Unpacking Problems:**

**Unpacker Signature/Emp#:** Suzette Lehman 1677 **Date/Time:** 4/25/12 10:45

Issued by Dept. 6042 Management

2174.06

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# Explanation of Symbols and Abbreviations

*The following defines common symbols and abbreviations used in reporting technical data:*

| | | | |
|---|---|---|---|
| **RL** | Reporting Limit | **BMQL** | Below Minimum Quantitation Level |
| **N.D.** | none detected | **MPN** | Most Probable Number |
| **TNTC** | Too Numerous To Count | **CP Units** | cobalt-chloroplatinate units |
| **IU** | International Units | **NTU** | nephelometric turbidity units |
| **umhos/cm** | micromhos/cm | **ng** | nanogram(s) |
| **C** | degrees Celsius | **F** | degrees Fahrenheit |
| **meq** | milliequivalents | **lb.** | pound(s) |
| **g** | gram(s) | **kg** | kilogram(s) |
| **µg** | microgram(s) | **mg** | milligram(s) |
| **mL** | milliliter(s) | **L** | liter(s) |
| **m3** | cubic meter(s) | **µL** | microliter(s) |
| | | **pg/L** | picogram/liter |

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

*Data Qualifiers:*

**C –** result confirmed by reanalysis.

**J -** estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

*U.S. EPA CLP Data Qualifiers:*

| **Organic Qualifiers** | | **Inorganic Qualifiers** | |
|---|---|---|---|
| **A** | TIC is a possible aldol-condensation product | **B** | Value is <CRDL, but ≥IDL |
| **B** | Analyte was also detected in the blank | **E** | Estimated due to interference |
| **C** | Pesticide result confirmed by GC/MS | **M** | Duplicate injection precision not met |
| **D** | Compound quantitated on a diluted sample | **N** | Spike sample not within control limits |
| **E** | Concentration exceeds the calibration range of the instrument | **S** | Method of standard additions (MSA) used for calculation |
| **N** | Presumptive evidence of a compound (TICs only) | **U** | Compound was not detected |
| **P** | Concentration difference between primary and confirmation columns >25% | **W** | Post digestion spike out of control limits |
| **U** | Compound was not detected | ***** | Duplicate analysis not within control limits |
| **X,Y,Z** | Defined in case narrative | **+** | Correlation coefficient for MSA <0.995 |

**Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.**

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

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2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

# Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

May 07, 2012

Project: Avery Dennison / Flowery Branch, GA

Submittal Date: 04/26/2012
Group Number: 1304786
PO Number: 1-0145-4
State of Sample Origin: GA

| Client Sample Description | Lancaster Labs (LLI) # |
|---|---|
| Trip Blank Water | 6629761 |
| MW-25D Grab Water | 6629762 |
| BR-5 Grab Water | 6629763 |
| MW-20S Grab Water | 6629764 |
| MW-20D Grab Water | 6629765 |
| MW-52D Grab Water | 6629766 |
| MW-19D Grab Water | 6629767 |
| MW-19D Matrix Spike Grab Water | 6629768 |
| MW-19D Matrix Spike Dup Grab Water | 6629769 |
| MW-55D Grab Water | 6629770 |
| BR-18 Grab Water | 6629771 |
| BR-19 Grab Water | 6629772 |
| BR-9S Grab Water | 6629773 |
| MW-29 Grab Water | 6629774 |
| MW-56D Grab Water | 6629775 |
| MW-58D Grab Water | 6629776 |
| DP-1 Grab Water | 6629777 |

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO The Johnson Company, Inc. Attn: Glen Kirkpatrick

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Respectfully Submitted,



Wendy A. Kozma
Principal Specialist Group Leader

(717) 556-7257

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# Analysis Report



**Sample Description: Trip Blank Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6629761**
**LLI Group # 1304786**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/24/2012

Submitted: 04/26/2012 09:10
Reported: 05/07/2012 18:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD3TB

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report

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**Sample Description: Trip Blank Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6629761**
**LLI Group # 1304786**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/24/2012

Submitted: 04/26/2012 09:10
Reported: 05/07/2012 18:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD3TB

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121211AA | 04/30/2012 10:19 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121201AA | 04/29/2012 18:21 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121201AA | 04/29/2012 18:21 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121211AA | 04/30/2012 10:19 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: MW-25D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6629762**
**LLI Group # 1304786**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/24/2012 16:20 by TH

Submitted: 04/26/2012 09:10
Reported: 05/07/2012 18:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD302

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-25D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6629762**
**LLI Group # 1304786**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/24/2012 16:20 by TH

Submitted: 04/26/2012 09:10
Reported: 05/07/2012 18:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD302

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121211AA | 04/30/2012 14:42 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121201AA | 04/29/2012 21:21 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121201AA | 04/29/2012 21:21 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121211AA | 04/30/2012 14:42 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: BR-5 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6629763**
**LLI Group # 1304786**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/24/2012 17:12 by TH

Submitted: 04/26/2012 09:10
Reported: 05/07/2012 18:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD303

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: BR-5 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6629763**
**LLI Group # 1304786**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/24/2012 17:12 by TH

Submitted: 04/26/2012 09:10
Reported: 05/07/2012 18:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD303

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121211AA | 04/30/2012 15:06 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121201AA | 04/29/2012 21:41 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121201AA | 04/29/2012 21:41 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121211AA | 04/30/2012 15:06 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: MW-20S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6629764**
**LLI Group # 1304786**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/25/2012 08:22 by TH

Submitted: 04/26/2012 09:10
Reported: 05/07/2012 18:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD304

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-20S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6629764**
**LLI Group # 1304786**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/25/2012 08:22 by TH

Submitted: 04/26/2012 09:10
Reported: 05/07/2012 18:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD304

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121211AA | 04/30/2012 15:30 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121201AA | 04/29/2012 22:01 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121201AA | 04/29/2012 22:01 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121211AA | 04/30/2012 15:30 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: MW-20D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6629765**
**LLI Group # 1304786**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/25/2012 09:57 by TH

Submitted: 04/26/2012 09:10
Reported: 05/07/2012 18:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD305

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-20D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6629765**
**LLI Group # 1304786**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/25/2012 09:57 by TH

Submitted: 04/26/2012 09:10
Reported: 05/07/2012 18:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD305

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121211AA | 04/30/2012 15:54 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121211AA | 04/30/2012 12:34 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121211AA | 04/30/2012 12:34 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121211AA | 04/30/2012 15:54 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: MW-52D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6629766**
**LLI Group # 1304786**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/25/2012 10:57 by TH

Submitted: 04/26/2012 09:10
Reported: 05/07/2012 18:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD306

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-52D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6629766**
**LLI Group # 1304786**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/25/2012 10:57 by TH

Submitted: 04/26/2012 09:10
Reported: 05/07/2012 18:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD306

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121211AA | 04/30/2012 16:19 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121211AA | 04/30/2012 11:54 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121211AA | 04/30/2012 11:54 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121211AA | 04/30/2012 16:19 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: MW-19D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6629767**
**LLI Group # 1304786**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/25/2012 12:02 by TH

Submitted: 04/26/2012 09:10
Reported: 05/07/2012 18:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD307

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 58 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 270 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 6.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-19D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6629767**
**LLI Group # 1304786**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/25/2012 12:02 by TH

Submitted: 04/26/2012 09:10
Reported: 05/07/2012 18:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD307

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121211AA | 04/30/2012 10:43 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121211BA | 04/30/2012 17:55 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | T121211AA | 04/30/2012 10:43 | Linda C Pape | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E121211BA | 04/30/2012 17:55 | Jason M Long | 1 |

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# Analysis Report



**Sample Description: MW-19D Matrix Spike Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6629768**
**LLI Group # 1304786**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/25/2012 12:02 by TH

Submitted: 04/26/2012 09:10
Reported: 05/07/2012 18:17

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Suite 600
100 State Street
Montpelier VT 05602

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| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | 130 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | 22 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | 22 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | 20 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | 18 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | 150 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | 20 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | 24 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | 21 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 19 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | 22 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | 18 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | 22 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 80 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | 24 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 300 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | 22 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | 21 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | 21 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | 22 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | 21 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | 20 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | 90 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | 94 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | 22 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | 20 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 21 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | 23 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | 22 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 24 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | 21 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | 23 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 20 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | 61 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 10 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-19D Matrix Spike Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6629768**
**LLI Group # 1304786**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/25/2012 12:02 by TH

Submitted: 04/26/2012 09:10
Reported: 05/07/2012 18:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD307

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121211AA | 04/30/2012 11:07 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121211BA | 04/30/2012 18:55 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | T121211AA | 04/30/2012 11:07 | Linda C Pape | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E121211BA | 04/30/2012 18:55 | Jason M Long | 1 |

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# Analysis Report



**Sample Description: MW-19D Matrix Spike Dup Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6629769**
**LLI Group # 1304786**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/25/2012 12:02 by TH

Submitted: 04/26/2012 09:10
Reported: 05/07/2012 18:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD307

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | 130 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | 22 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | 22 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | 20 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | 18 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | 150 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | 20 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | 24 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | 22 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 18 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | 23 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | 19 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | 22 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 79 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | 24 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 290 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | 22 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | 22 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | 22 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | 22 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | 22 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | 21 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | 93 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | 95 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | 22 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | 21 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 21 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | 23 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | 22 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 24 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | 22 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | 23 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 20 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | 62 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 11 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-19D Matrix Spike Dup Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6629769**
**LLI Group # 1304786**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/25/2012 12:02 by TH

Submitted: 04/26/2012 09:10
Reported: 05/07/2012 18:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD307

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121211AA | 04/30/2012 11:31 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121211BA | 04/30/2012 19:15 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | T121211AA | 04/30/2012 11:31 | Linda C Pape | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E121211BA | 04/30/2012 19:15 | Jason M Long | 1 |

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# Analysis Report



**Sample Description: MW-55D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6629770**
**LLI Group # 1304786**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/25/2012 13:57 by TH

Submitted: 04/26/2012 09:10
Reported: 05/07/2012 18:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD308

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 5 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 10 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-55D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6629770**
**LLI Group # 1304786**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/25/2012 13:57 by TH

Submitted: 04/26/2012 09:10
Reported: 05/07/2012 18:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD308

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121211AA | 04/30/2012 16:42 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121211AA | 04/30/2012 12:54 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121211AA | 04/30/2012 12:54 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121211AA | 04/30/2012 16:42 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: BR-18 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6629771**
**LLI Group # 1304786**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/25/2012 14:22 by TH

Submitted: 04/26/2012 09:10
Reported: 05/07/2012 18:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD309

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 12 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 7 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: BR-18 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6629771**
**LLI Group # 1304786**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/25/2012 14:22 by TH

Submitted: 04/26/2012 09:10
Reported: 05/07/2012 18:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD309

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121211AA | 04/30/2012 17:06 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121211AA | 04/30/2012 13:14 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121211AA | 04/30/2012 13:14 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121211AA | 04/30/2012 17:06 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: BR-19 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6629772**
**LLI Group # 1304786**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/24/2012 16:42 by RP

Submitted: 04/26/2012 09:10
Reported: 05/07/2012 18:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD310

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 20 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 42 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: BR-19 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6629772**
**LLI Group # 1304786**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/24/2012 16:42 by RP

Submitted: 04/26/2012 09:10
Reported: 05/07/2012 18:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD310

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121211AA | 04/30/2012 17:30 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121201AA | 04/29/2012 22:22 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121201AA | 04/29/2012 22:22 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121211AA | 04/30/2012 17:30 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: BR-9S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6629773**
**LLI Group # 1304786**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/25/2012 08:52 by RP

Submitted: 04/26/2012 09:10
Reported: 05/07/2012 18:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD311

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: BR-9S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6629773**
**LLI Group # 1304786**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/25/2012 08:52 by RP

Submitted: 04/26/2012 09:10
Reported: 05/07/2012 18:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD311

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121211AA | 04/30/2012 17:54 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121211AA | 04/30/2012 20:16 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | T121211AA | 04/30/2012 17:54 | Linda C Pape | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E121211AA | 04/30/2012 20:16 | Jason M Long | 1 |

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# Analysis Report



**Sample Description: MW-29 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6629774**
**LLI Group # 1304786**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/25/2012 10:40 by RP

Submitted: 04/26/2012 09:10
Reported: 05/07/2012 18:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD312

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-29 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6629774**
**LLI Group # 1304786**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/25/2012 10:40 by RP

Submitted: 04/26/2012 09:10
Reported: 05/07/2012 18:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD312

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121211AA | 04/30/2012 18:18 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121211AA | 04/30/2012 20:56 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | T121211AA | 04/30/2012 18:18 | Linda C Pape | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E121211AA | 04/30/2012 20:56 | Jason M Long | 1 |

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# Analysis Report



**Sample Description: MW-56D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6629775**
**LLI Group # 1304786**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/25/2012 12:15 by RP

Submitted: 04/26/2012 09:10
Reported: 05/07/2012 18:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD313

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-56D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6629775**
**LLI Group # 1304786**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/25/2012 12:15 by RP

Submitted: 04/26/2012 09:10
Reported: 05/07/2012 18:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD313

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121231AA | 05/02/2012 10:59 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121211AA | 04/30/2012 13:34 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121211AA | 04/30/2012 13:34 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121231AA | 05/02/2012 10:59 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: MW-58D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6629776**
**LLI Group # 1304786**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/25/2012 13:40 by RP

Submitted: 04/26/2012 09:10
Reported: 05/07/2012 18:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD314

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 8 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 110 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 130 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 3.9 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-58D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6629776**
**LLI Group # 1304786**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/25/2012 13:40 by RP

Submitted: 04/26/2012 09:10
Reported: 05/07/2012 18:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD314

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121231AA | 05/02/2012 11:23 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121211AA | 04/30/2012 13:54 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121211AA | 04/30/2012 13:54 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121231AA | 05/02/2012 11:23 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: DP-1 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6629777**
**LLI Group # 1304786**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/25/2012 12:45 by RP

Submitted: 04/26/2012 09:10
Reported: 05/07/2012 18:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD315

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 8 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 110 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 140 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 3.6 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: DP-1 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6629777**
**LLI Group # 1304786**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/25/2012 12:45 by RP

Submitted: 04/26/2012 09:10
Reported: 05/07/2012 18:17

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD315

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121231AA | 05/02/2012 11:47 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121211AA | 04/30/2012 14:14 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121211AA | 04/30/2012 14:14 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121231AA | 05/02/2012 11:47 | Linda C Pape | 1 |

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1304786
Reported: 05/07/12 at 06:17 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

## Laboratory Compliance Quality Control

| Analysis Name | Blank Result | Blank LOQ | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: E121201AA | Sample number(s): 6629761-6629764,6629772 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 113 | | 80-123 | | |
| Batch number: E121211AA | Sample number(s): 6629765-6629766,6629770-6629771,6629773-6629777 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 107 | | 80-123 | | |
| Batch number: E121211BA | Sample number(s): 6629767-6629769 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 107 | | 80-123 | | |
| Batch number: T121211AA | Sample number(s): 6629761-6629774 | | | | | | | |
| Acetone | < 20 | 20. | ug/l | 85 | | 38-212 | | |
| Benzene | < 5 | 5. | ug/l | 102 | | 77-121 | | |
| Bromodichloromethane | < 5 | 5. | ug/l | 104 | | 73-120 | | |
| Bromoform | < 5 | 5. | ug/l | 98 | | 61-120 | | |
| Bromomethane | < 5 | 5. | ug/l | 81 | | 44-120 | | |
| 2-Butanone | < 10 | 10. | ug/l | 96 | | 53-155 | | |
| Carbon Disulfide | < 5 | 5. | ug/l | 88 | | 62-125 | | |
| Carbon Tetrachloride | < 5 | 5. | ug/l | 108 | | 67-122 | | |
| Chlorobenzene | < 5 | 5. | ug/l | 100 | | 80-120 | | |
| Chloroethane | < 5 | 5. | ug/l | 86 | | 49-129 | | |
| Chloroform | < 5 | 5. | ug/l | 106 | | 77-122 | | |
| Chloromethane | < 5 | 5. | ug/l | 85 | | 60-129 | | |
| Dibromochloromethane | < 5 | 5. | ug/l | 106 | | 72-120 | | |
| 1,1-Dichloroethane | < 5 | 5. | ug/l | 101 | | 79-120 | | |
| 1,2-Dichloroethane | < 5 | 5. | ug/l | 113 | | 64-130 | | |
| 1,1-Dichloroethene | < 2 | 2. | ug/l | 95 | | 80-120 | | |
| cis-1,2-Dichloroethene | < 5 | 5. | ug/l | 101 | | 80-120 | | |
| trans-1,2-Dichloroethene | < 5 | 5. | ug/l | 98 | | 80-120 | | |
| 1,2-Dichloropropane | < 5 | 5. | ug/l | 101 | | 80-120 | | |
| cis-1,3-Dichloropropene | < 5 | 5. | ug/l | 106 | | 78-120 | | |
| trans-1,3-Dichloropropene | < 5 | 5. | ug/l | 106 | | 79-120 | | |
| Ethylbenzene | < 5 | 5. | ug/l | 95 | | 79-120 | | |
| 2-Hexanone | < 10 | 10. | ug/l | 91 | | 53-139 | | |
| 4-Methyl-2-pentanone | < 10 | 10. | ug/l | 93 | | 58-133 | | |
| Methylene Chloride | < 5 | 5. | ug/l | 102 | | 80-126 | | |
| Styrene | < 5 | 5. | ug/l | 94 | | 77-120 | | |
| 1,1,2,2-Tetrachloroethane | < 5 | 5. | ug/l | 106 | | 75-123 | | |
| Tetrachloroethene | < 5 | 5. | ug/l | 102 | | 79-120 | | |
| Toluene | < 5 | 5. | ug/l | 103 | | 79-120 | | |
| 1,1,1-Trichloroethane | < 5 | 5. | ug/l | 105 | | 70-121 | | |
| 1,1,2-Trichloroethane | < 5 | 5. | ug/l | 103 | | 80-120 | | |
| Trichloroethene | < 5 | 5. | ug/l | 101 | | 80-120 | | |
| Vinyl Chloride | < 2 | 2. | ug/l | 86 | | 56-123 | | |
| Xylene (Total) | < 5 | 5. | ug/l | 96 | | 77-120 | | |
| Batch number: T121231AA | Sample number(s): 6629775-6629777 | | | | | | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1304786
Reported: 05/07/12 at 06:17 PM

| Analysis Name | Blank Result | Blank LOQ | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Acetone | < 20 | 20. | ug/l | 86 | | 38-212 | | |
| Benzene | < 5 | 5. | ug/l | 101 | | 77-121 | | |
| Bromodichloromethane | < 5 | 5. | ug/l | 103 | | 73-120 | | |
| Bromoform | < 5 | 5. | ug/l | 99 | | 61-120 | | |
| Bromomethane | < 5 | 5. | ug/l | 84 | | 44-120 | | |
| 2-Butanone | < 10 | 10. | ug/l | 100 | | 53-155 | | |
| Carbon Disulfide | < 5 | 5. | ug/l | 83 | | 62-125 | | |
| Carbon Tetrachloride | < 5 | 5. | ug/l | 102 | | 67-122 | | |
| Chlorobenzene | < 5 | 5. | ug/l | 102 | | 80-120 | | |
| Chloroethane | < 5 | 5. | ug/l | 86 | | 49-129 | | |
| Chloroform | < 5 | 5. | ug/l | 104 | | 77-122 | | |
| Chloromethane | < 5 | 5. | ug/l | 91 | | 60-129 | | |
| Dibromochloromethane | < 5 | 5. | ug/l | 106 | | 72-120 | | |
| 1,1-Dichloroethane | < 5 | 5. | ug/l | 100 | | 79-120 | | |
| 1,2-Dichloroethane | < 5 | 5. | ug/l | 112 | | 64-130 | | |
| 1,1-Dichloroethene | < 5 | 5. | ug/l | 93 | | 80-120 | | |
| cis-1,2-Dichloroethene | < 5 | 5. | ug/l | 100 | | 80-120 | | |
| trans-1,2-Dichloroethene | < 5 | 5. | ug/l | 96 | | 80-120 | | |
| 1,2-Dichloropropane | < 5 | 5. | ug/l | 100 | | 80-120 | | |
| cis-1,3-Dichloropropene | < 5 | 5. | ug/l | 104 | | 78-120 | | |
| trans-1,3-Dichloropropene | < 5 | 5. | ug/l | 105 | | 79-120 | | |
| Ethylbenzene | < 5 | 5. | ug/l | 94 | | 79-120 | | |
| 2-Hexanone | < 10 | 10. | ug/l | 96 | | 53-139 | | |
| 4-Methyl-2-pentanone | < 10 | 10. | ug/l | 95 | | 58-133 | | |
| Methylene Chloride | < 5 | 5. | ug/l | 100 | | 80-126 | | |
| Styrene | < 5 | 5. | ug/l | 98 | | 77-120 | | |
| 1,1,2,2-Tetrachloroethane | < 5 | 5. | ug/l | 114 | | 75-123 | | |
| Tetrachloroethene | < 5 | 5. | ug/l | 99 | | 79-120 | | |
| Toluene | < 5 | 5. | ug/l | 102 | | 79-120 | | |
| 1,1,1-Trichloroethane | < 5 | 5. | ug/l | 98 | | 70-121 | | |
| 1,1,2-Trichloroethane | < 5 | 5. | ug/l | 104 | | 80-120 | | |
| Trichloroethene | < 5 | 5. | ug/l | 101 | | 80-120 | | |
| Vinyl Chloride | < 5 | 5. | ug/l | 89 | | 56-123 | | |
| Xylene (Total) | < 5 | 5. | ug/l | 95 | | 77-120 | | |

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| Batch number: E121201AA | Sample number(s): 6629761-6629764,6629772 UNSPK: P628931 | | | | | | | | |
| 1,4-Dioxane | 106 | 105 | 73-138 | 1 | 30 | | | | |
| Batch number: E121211AA | Sample number(s): 6629765-6629766,6629770-6629771,6629773-6629777 UNSPK: P628241 | | | | | | | | |
| 1,4-Dioxane | 105 | 105 | 73-138 | 0 | 30 | | | | |
| Batch number: E121211BA | Sample number(s): 6629767-6629769 UNSPK: 6629767 | | | | | | | | |
| 1,4-Dioxane | 83 | 91 | 73-138 | 4 | 30 | | | | |
| Batch number: T121211AA | Sample number(s): 6629761-6629774 UNSPK: 6629767 | | | | | | | | |
| Acetone | 87 | 88 | 52-139 | 1 | 30 | | | | |
| Benzene | 109 | 109 | 72-134 | 0 | 30 | | | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1304786
Reported: 05/07/12 at 06:17 PM

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| Bromodichloromethane | 109 | 108 | 78-125 | 1 | 30 | | | | |
| Bromoform | 99 | 101 | 48-118 | 2 | 30 | | | | |
| Bromomethane | 90 | 88 | 38-149 | 2 | 30 | | | | |
| 2-Butanone | 97 | 98 | 57-138 | 1 | 30 | | | | |
| Carbon Disulfide | 98 | 99 | 67-135 | 2 | 30 | | | | |
| Carbon Tetrachloride | 119 | 119 | 72-135 | 0 | 30 | | | | |
| Chlorobenzene | 106 | 108 | 87-124 | 2 | 30 | | | | |
| Chloroethane | 95 | 92 | 51-145 | 3 | 30 | | | | |
| Chloroform | 112 | 113 | 81-134 | 1 | 30 | | | | |
| Chloromethane | 92 | 93 | 67-154 | 1 | 30 | | | | |
| Dibromochloromethane | 110 | 110 | 74-116 | 0 | 30 | | | | |
| 1,1-Dichloroethane | 109 | 105 | 84-129 | 1 | 30 | | | | |
| 1,2-Dichloroethane | 119 | 122 | 68-131 | 2 | 30 | | | | |
| 1,1-Dichloroethene | 108 (2) | 70 (2) | 85-142 | 3 | 30 | | | | |
| cis-1,2-Dichloroethene | 108 | 110 | 85-125 | 2 | 30 | | | | |
| trans-1,2-Dichloroethene | 107 | 112 | 87-126 | 4 | 30 | | | | |
| 1,2-Dichloropropane | 105 | 110 | 83-124 | 4 | 30 | | | | |
| cis-1,3-Dichloropropene | 109 | 111 | 70-116 | 1 | 30 | | | | |
| trans-1,3-Dichloropropene | 107 | 110 | 74-119 | 3 | 30 | | | | |
| Ethylbenzene | 102 | 105 | 71-134 | 4 | 30 | | | | |
| 2-Hexanone | 90 | 93 | 55-127 | 4 | 30 | | | | |
| 4-Methyl-2-pentanone | 94 | 95 | 63-123 | 1 | 30 | | | | |
| Methylene Chloride | 108 | 109 | 78-133 | 1 | 30 | | | | |
| Styrene | 100 | 103 | 78-125 | 3 | 30 | | | | |
| 1,1,2,2-Tetrachloroethane | 107 | 107 | 72-128 | 0 | 30 | | | | |
| Tetrachloroethene | 114 | 115 | 80-128 | 1 | 30 | | | | |
| Toluene | 109 | 110 | 80-125 | 1 | 30 | | | | |
| 1,1,1-Trichloroethane | 114 | 114 | 74-131 | 0 | 30 | | | | |
| 1,1,2-Trichloroethane | 107 | 108 | 77-124 | 1 | 30 | | | | |
| Trichloroethene | 113 | 116 | 88-133 | 2 | 30 | | | | |
| Vinyl Chloride | 98 | 99 | 66-133 | 2 | 30 | | | | |
| Xylene (Total) | 102 | 104 | 79-125 | 2 | 30 | | | | |
| Batch number: T121231AA | Sample number(s): 6629775-6629777 UNSPK: P631302 | | | | | | | | |
| Acetone | 89 | 87 | 52-139 | 2 | 30 | | | | |
| Benzene | 111 | 107 | 72-134 | 3 | 30 | | | | |
| Bromodichloromethane | 113 | 111 | 78-125 | 2 | 30 | | | | |
| Bromoform | 97 | 94 | 48-118 | 4 | 30 | | | | |
| Bromomethane | 96 | 93 | 38-149 | 3 | 30 | | | | |
| 2-Butanone | 104 | 100 | 57-138 | 3 | 30 | | | | |
| Carbon Disulfide | 94 | 91 | 67-135 | 3 | 30 | | | | |
| Carbon Tetrachloride | 119 | 118 | 72-135 | 1 | 30 | | | | |
| Chlorobenzene | 106 | 106 | 87-124 | 0 | 30 | | | | |
| Chloroethane | 98 | 95 | 51-145 | 3 | 30 | | | | |
| Chloroform | 116 | 112 | 81-134 | 3 | 30 | | | | |
| Chloromethane | 101 | 96 | 67-154 | 4 | 30 | | | | |
| Dibromochloromethane | 109 | 108 | 74-116 | 1 | 30 | | | | |
| 1,1-Dichloroethane | 110 | 108 | 84-129 | 2 | 30 | | | | |
| 1,2-Dichloroethane | 126 | 122 | 68-131 | 3 | 30 | | | | |
| 1,1-Dichloroethene | 103 | 101 | 85-142 | 2 | 30 | | | | |
| cis-1,2-Dichloroethene | 106 | 104 | 85-125 | 2 | 30 | | | | |
| trans-1,2-Dichloroethene | 101 | 102 | 87-126 | 2 | 30 | | | | |
| 1,2-Dichloropropane | 107 | 105 | 83-124 | 1 | 30 | | | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1304786
Reported: 05/07/12 at 06:17 PM

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | 110 | 108 | 70-116 | 2 | 30 | | | | |
| trans-1,3-Dichloropropene | 110 | 110 | 74-119 | 1 | 30 | | | | |
| Ethylbenzene | 102 | 101 | 71-134 | 1 | 30 | | | | |
| 2-Hexanone | 95 | 95 | 55-127 | 0 | 30 | | | | |
| 4-Methyl-2-pentanone | 98 | 97 | 63-123 | 1 | 30 | | | | |
| Methylene Chloride | 106 | 104 | 78-133 | 1 | 30 | | | | |
| Styrene | 101 | 99 | 78-125 | 2 | 30 | | | | |
| 1,1,2,2-Tetrachloroethane | 116 | 115 | 72-128 | 1 | 30 | | | | |
| Tetrachloroethene | 107 | 105 | 80-128 | 2 | 30 | | | | |
| Toluene | 111 | 110 | 80-125 | 1 | 30 | | | | |
| 1,1,1-Trichloroethane | 116 | 114 | 74-131 | 1 | 30 | | | | |
| 1,1,2-Trichloroethane | 105 | 106 | 77-124 | 1 | 30 | | | | |
| Trichloroethene | 110 | 108 | 88-133 | 2 | 30 | | | | |
| Vinyl Chloride | 101 | 100 | 66-133 | 2 | 30 | | | | |
| Xylene (Total) | 101 | 100 | 79-125 | 1 | 30 | | | | |

## Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed
unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E121201AA

| | Toluene-d8 |
|---|---|
| 6629761 | 95 |
| 6629762 | 94 |
| 6629763 | 95 |
| 6629764 | 96 |
| 6629772 | 85 |
| Blank | 95 |
| LCS | 95 |
| MS | 95 |
| MSD | 95 |
| Limits: | 80-120 |

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E121211AA

| | Toluene-d8 |
|---|---|
| 6629765 | 92 |
| 6629766 | 93 |
| 6629770 | 89 |
| 6629771 | 95 |
| 6629773 | 102 |
| 6629774 | 96 |
| 6629775 | 90 |
| 6629776 | 87 |
| 6629777 | 93 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com



# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1304786
Reported: 05/07/12 at 06:17 PM

## Surrogate Quality Control

| | |
|---|---|
| Blank | 90 |
| LCS | 95 |
| MS | 92 |
| MSD | 96 |
| Limits: | 80-120 |

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E121211BA

| | Toluene-d8 |
|---|---|
| 6629767 | 94 |
| 6629768 | 96 |
| 6629769 | 101 |
| Blank | 90 |
| LCS | 95 |
| MS | 96 |
| MSD | 101 |
| Limits: | 80-120 |

Analysis Name: 8260 Std. Water Master
Batch number: T121211AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| 6629761 | 103 | 96 | 96 | 99 |
| 6629762 | 104 | 95 | 97 | 100 |
| 6629763 | 105 | 97 | 96 | 100 |
| 6629764 | 106 | 92 | 96 | 100 |
| 6629765 | 105 | 95 | 97 | 102 |
| 6629766 | 105 | 96 | 96 | 101 |
| 6629767 | 104 | 97 | 98 | 100 |
| 6629768 | 102 | 98 | 98 | 101 |
| 6629769 | 103 | 97 | 99 | 102 |
| 6629770 | 107 | 95 | 96 | 100 |
| 6629771 | 105 | 95 | 96 | 101 |
| 6629772 | 106 | 96 | 96 | 100 |
| 6629773 | 107 | 95 | 96 | 100 |
| 6629774 | 107 | 97 | 96 | 101 |
| Blank | 102 | 96 | 97 | 98 |
| LCS | 102 | 97 | 97 | 98 |
| MS | 102 | 98 | 98 | 101 |
| MSD | 103 | 97 | 99 | 102 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

Analysis Name: 8260 Std. Water Master
Batch number: T121231AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| 6629775 | 103 | 96 | 98 | 101 |
| 6629776 | 104 | 95 | 98 | 99 |
| 6629777 | 102 | 95 | 97 | 101 |
| Blank | 102 | 98 | 97 | 99 |
| LCS | 99 | 95 | 96 | 98 |
| MS | 105 | 96 | 99 | 104 |
| MSD | 103 | 96 | 98 | 103 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1304786
Reported: 05/07/12 at 06:17 PM

## Surrogate Quality Control

| | | | | |
|---|---|---|---|---|
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Environmental Analysis Request/Chain of Custody

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For Lancaster Laboratories use only

Acct. # 06556 Group # 1304786 Sample # 6629761-77

**COC # 305006**

Please print. Instructions on reverse side correspond with circled numbers.

(1) Client: The Johnson Co. Acct. #: 06556

Project Name/#: AD-GA/1-01454 PWSID #:

Project Manager: Glen Kirkpatrick P.O.#:

Sampler: Tristan Hardy Quote #:

Name of state where samples were collected: GA

For Lab Use Only
FSC:
SCR#:

**Preservation Codes**
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

(6) Temperature of samples upon receipt (if requested)

| (2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | (4) Matrix: Soil | Sediment | Water | Potable / Ground / Surface / NPDES | Other: Lab Di $H_2O$ | Total # of Containers | (5) Analyses Requested: Preservation Codes — | H | 8260 | 1,4-Dioxane by 1SO DLSIM | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Trip Blank | 4/24/12 | — | X | | | | | | X | 4 | 2 | 2 | | | |
| MW-25D | | 1620 | X | | | | X | | | 6 | 3 | 3 | | | |
| BR-5 | | ~~1623~~ 1712 TEH 4/24/12 | X | | | | X | | | 6 | 3 | 3 | | | |
| MW-20S | 4/25/12 | 0822 | X | | | | X | | | 6 | 3 | 3 | | | |
| MW-20D | | 0957 | X | | | | X | | | 6 | 3 | 3 | | | |
| MW-52D | | 1057 | X | | | | X | | | 6 | 3 | 3 | | | |
| MW-19D | | 1202 | X | | | | X | | | 18 | 9 | 9 | | | MS/MSD |
| MW-55D | 4/25/12 | 1357 | X | | | | X | | | 6 | 3 | 3 | | | |
| BR-18 | 4/25/12 | 1422 | X | | | | X | | | 6 | 3 | 3 | | | |

Please use a PQL of 2ug/L for Vinyl Chloride

**Remarks**

(7) **Turnaround Time Requested** (TAT) (please circle): Standard Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone E-mail
Phone #: 802-229-4600
E-mail address: GAK@jcomail.com

(8) **Data Package Options** (please circle if required)
Type I (Validation/non-CLP) MA MCP CT RCP
Type II (Reduced non-CLP)
Type IV (CLP SOW)
Type VI (Raw Data Only)
TX TRRP-13

EDD Required? (Yes) No

Site-specific QC (MS/MSD/Dup)? (Yes) No
(if yes, indicate QC sample and submit triplicate sample volume)

(9)

| Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|
| | 4/25/12 | 1600 | | | |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: Shyrette Lehman | 4/26/12 | 0910 |

# Environmental Analysis Request/Chain of Custody

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For Lancaster Laboratories use only

Acct. # 6556 Group # 1304786 Sample # 6629761-77

**COC # 305007**

Please print. Instructions on reverse side correspond with circled numbers.

(1) Client: The Johnson Co. Acct. #: 06556

Project Name/#: AD-GA/1-0145-4 PWSID #:

Project Manager: Glen Kirkpatrick P.O.#:

Sampler: Ross Predom Quote #:

Name of state where samples were collected: GA

**For Lab Use Only**
FSC:
SCR#:

**Preservation Codes**
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

(6) Temperature of samples upon receipt (if requested)

Please use a PQL of 2µg/L for Vinyl Chloride

**Remarks**

| (2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | Matrix: Soil | Sediment | Water | Ground/Surface | Potable/NPDES | Other: | (4) Total # of Containers | (5) Analyses Requested: 8260 | 1,4-Dioxane isotope dil. SIM | Preservation Codes: — | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BR-19 | ~~1642~~ 1-24-12 RDP 4-25-12 | 1642 | X | | | | X | | | | 6 | X | X | | |
| BR-9S | 4-25-12 | 0852 | X | | | | X | | | | 6 | X | X | | |
| MW-29 | 4-25-12 | 1040 | X | | | | X | | | | 6 | X | X | | |
| MW-56D | 4-25-12 | 1215 | X | | | | X | | | | 6 | X | X | | |
| MW-58D | 4-25-12 | 1340 | X | | | | X | | | | 6 | X | X | | |
| DP-1 | 4-25-12 | 1245 | X | | | | X | | | | 6 | X | X | | |
| ~~MW-58S~~ | ~~4-25-12~~ | ~~1510~~ | ~~X~~ | | | | ~~X~~ | | | | ~~6~~ | ~~X~~ | ~~X~~ | | |

RDP 4-25-12

(7) **Turnaround Time Requested** (TAT) (please circle): (Standard) Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone E-mail
Phone #: 802 229 4600
E-mail address: GAKO@JCOMAIL.COM

(8) **Data Package Options** (please circle if required)
Type I (Validation/non-CLP) MA MCP CT RCP
Type III (Reduced non-CLP)
Type IV (CLP SOW)
Type VI (Raw Data Only)
TX TRRP-13

EDD Required? (Yes) No

Site-specific QC (MS/MSD/Dup)? (Yes) No
(if yes, indicate QC sample and submit triplicate sample volume)

| Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|
| | 4-25-12 | 1600 | | | |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: Suzette Lehman | 4/26/12 | 0910 |

(9)

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 717-656-2300
The white copy should accompany samples to Lancaster Laboratories. The yellow copy should be retained by the client.

Issued by Dept. 40 Management
7044.01

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# Environmental Sample Administration
# Receipt Documentation Log

**Client/Project:** Johnson Co

**Date of Receipt:** 4/26/12

**Time of Receipt:** 0910

**Source Code:** 50-1

**Shipping Container Sealed:** (YES) NO

**Custody Seal Present * :** (YES) NO

* Custody seal was intact unless otherwise noted in the discrepancy section

**Package:** (Chilled) Not Chilled

| Temperature of Shipping Containers | | | | | | | |
|---|---|---|---|---|---|---|---|
| Cooler # | Thermometer ID | Temperature (°C) | Temp Bottle (TB) or Surface Temp (ST) | Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP) | Ice Present? Y/N | Loose (L) Bagged Ice (B) or NA | Comments |
| 1 | 9422 | 2.8 | TB | WI | Y | B | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |

**Number of Trip Blanks received NOT listed on chain of custody:** 0

**Paperwork Discrepancy/Unpacking Problems:**

**Unpacker Signature/Emp#:** Suzette Lehman 1677 **Date/Time:** 4/26/12 10:45

Issued by Dept. 6042 Management

2174.06

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# Explanation of Symbols and Abbreviations

*The following defines common symbols and abbreviations used in reporting technical data:*

| | | | |
|---|---|---|---|
| **RL** | Reporting Limit | **BMQL** | Below Minimum Quantitation Level |
| **N.D.** | none detected | **MPN** | Most Probable Number |
| **TNTC** | Too Numerous To Count | **CP Units** | cobalt-chloroplatinate units |
| **IU** | International Units | **NTU** | nephelometric turbidity units |
| **umhos/cm** | micromhos/cm | **ng** | nanogram(s) |
| **C** | degrees Celsius | **F** | degrees Fahrenheit |
| **meq** | milliequivalents | **lb.** | pound(s) |
| **g** | gram(s) | **kg** | kilogram(s) |
| **µg** | microgram(s) | **mg** | milligram(s) |
| **mL** | milliliter(s) | **L** | liter(s) |
| **m3** | cubic meter(s) | **µL** | microliter(s) |
| | | **pg/L** | picogram/liter |

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

*Data Qualifiers:*

**C –** result confirmed by reanalysis.

**J -** estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

*U.S. EPA CLP Data Qualifiers:*

| **Organic Qualifiers** | | **Inorganic Qualifiers** | |
|---|---|---|---|
| **A** | TIC is a possible aldol-condensation product | **B** | Value is <CRDL, but ≥IDL |
| **B** | Analyte was also detected in the blank | **E** | Estimated due to interference |
| **C** | Pesticide result confirmed by GC/MS | **M** | Duplicate injection precision not met |
| **D** | Compound quantitated on a diluted sample | **N** | Spike sample not within control limits |
| **E** | Concentration exceeds the calibration range of the instrument | **S** | Method of standard additions (MSA) used for calculation |
| **N** | Presumptive evidence of a compound (TICs only) | **U** | Compound was not detected |
| **P** | Concentration difference between primary and confirmation columns >25% | **W** | Post digestion spike out of control limits |
| **U** | Compound was not detected | ***** | Duplicate analysis not within control limits |
| **X,Y,Z** | Defined in case narrative | **+** | Correlation coefficient for MSA <0.995 |

**Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.**

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

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# Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

May 06, 2012

Project: Avery Dennison / Flowery Branch, GA

Submittal Date: 04/27/2012
Group Number: 1305071
PO Number: 1-0145-4
State of Sample Origin: GA

| Client Sample Description | Lancaster Labs (LLI) # |
|---|---|
| Trip Blank 2 Water | 6631214 |
| SBW-4 Grab Water | 6631215 |
| SBW-4MS Grab Water | 6631216 |
| SBW-4MSD Grab Water | 6631217 |
| DP-5 Grab Water | 6631218 |
| SBW-6 Grab Water | 6631219 |
| SBW-7 Grab Water | 6631220 |
| SW-4 Grab Water | 6631221 |
| SBW-8 Grab Water | 6631222 |
| SBW-9 Grab Water | 6631223 |
| SBW-10 Grab Water | 6631224 |
| SW-5 Grab Water | 6631225 |
| SW-6 Grab Water | 6631226 |
| WSA-Purge Grab Water | 6631227 |
| SSA-Purge Grab Water | 6631228 |

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO The Johnson Company, Inc. Attn: Glen Kirkpatrick

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Respectfully Submitted,



Wendy A. Kozma
Principal Specialist Group Leader

(717) 556-7257

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# Analysis Report



**Sample Description: Trip Blank 2 Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631214**
**LLI Group # 1305071**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012

Submitted: 04/27/2012 10:05
Reported: 05/06/2012 19:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBTB2

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: Trip Blank 2 Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631214**
**LLI Group # 1305071**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012

Submitted: 04/27/2012 10:05
Reported: 05/06/2012 19:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBTB2

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121232AA | 05/02/2012 22:04 | Sara E Johnson | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121211AA | 04/30/2012 11:33 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121211AA | 04/30/2012 11:33 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121232AA | 05/02/2012 22:04 | Sara E Johnson | 1 |

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# Analysis Report



**Sample Description: SBW-4 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631215**
**LLI Group # 1305071**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 09:45 by TH

Submitted: 04/27/2012 10:05
Reported: 05/06/2012 19:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBSB4

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 31 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 75 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 45 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 2.7 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: SBW-4 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631215**
**LLI Group # 1305071**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 09:45 by TH

Submitted: 04/27/2012 10:05
Reported: 05/06/2012 19:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBSB4

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121232AA | 05/02/2012 22:52 | Sara E Johnson | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121221AA | 05/01/2012 10:52 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121221AA | 05/01/2012 10:52 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121232AA | 05/02/2012 22:52 | Sara E Johnson | 1 |

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# Analysis Report



**Sample Description: SBW-4MS Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631216**
**LLI Group # 1305071**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 09:45 by TH

Submitted: 04/27/2012 10:05
Reported: 05/06/2012 19:59

The Johnson Company, Inc.
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100 State Street
Montpelier VT 05602

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| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | 130 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | 22 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | 22 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | 19 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | 19 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | 160 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | 18 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | 24 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | 21 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 20 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | 23 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | 21 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | 22 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 51 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | 25 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 89 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | 20 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | 20 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | 21 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | 22 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | 23 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | 20 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | 99 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | 98 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | 21 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | 20 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 23 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | 21 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | 22 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 66 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | 22 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | 22 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 21 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | 60 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 7.2 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: SBW-4MS Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631216**
**LLI Group # 1305071**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 09:45 by TH

Submitted: 04/27/2012 10:05
Reported: 05/06/2012 19:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBSB4

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121232AA | 05/02/2012 23:16 | Sara E Johnson | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121221AA | 05/01/2012 11:11 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121221AA | 05/01/2012 11:11 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121232AA | 05/02/2012 23:16 | Sara E Johnson | 1 |

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# Analysis Report



**Sample Description: SBW-4MSD Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631217**
**LLI Group # 1305071**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 09:45 by TH

Submitted: 04/27/2012 10:05
Reported: 05/06/2012 19:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBSB4

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | 130 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | 21 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | 21 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | 18 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | 18 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | 150 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | 17 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | 23 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | 20 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 19 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | 22 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | 19 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | 21 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 51 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | 25 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 92 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | 20 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | 20 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | 20 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | 21 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | 21 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | 19 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | 93 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | 94 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | 20 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | 19 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 22 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | 20 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | 21 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 65 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | 20 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | 21 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 20 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | 57 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 7.5 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: SBW-4MSD Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631217**
**LLI Group # 1305071**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 09:45 by TH

Submitted: 04/27/2012 10:05
Reported: 05/06/2012 19:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBSB4

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121232AA | 05/02/2012 23:40 | Sara E Johnson | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121221AA | 05/01/2012 11:31 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121221AA | 05/01/2012 11:31 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121232AA | 05/02/2012 23:40 | Sara E Johnson | 1 |

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# Analysis Report



**Sample Description: DP-5 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631218**
**LLI Group # 1305071**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 10:00 by TH

Submitted: 04/27/2012 10:05
Reported: 05/06/2012 19:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBDP5

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 31 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 75 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 44 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 2.6 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: DP-5 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631218**
**LLI Group # 1305071**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 10:00 by TH

Submitted: 04/27/2012 10:05
Reported: 05/06/2012 19:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBDP5

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121232AA | 05/03/2012 00:04 | Sara E Johnson | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121221AA | 05/01/2012 12:09 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121221AA | 05/01/2012 12:09 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121232AA | 05/03/2012 00:04 | Sara E Johnson | 1 |

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# Analysis Report



**Sample Description: SBW-6 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631219**
**LLI Group # 1305071**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 10:40 by TH

Submitted: 04/27/2012 10:05
Reported: 05/06/2012 19:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBSB6

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 39 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 18 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 14 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: SBW-6 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631219**
**LLI Group # 1305071**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 10:40 by TH

Submitted: 04/27/2012 10:05
Reported: 05/06/2012 19:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBSB6

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121232AA | 05/03/2012 00:28 | Sara E Johnson | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121211AA | 04/30/2012 14:34 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121211AA | 04/30/2012 14:34 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121232AA | 05/03/2012 00:28 | Sara E Johnson | 1 |

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# Analysis Report



**Sample Description: SBW-7 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631220**
**LLI Group # 1305071**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 12:10 by TH

Submitted: 04/27/2012 10:05
Reported: 05/06/2012 19:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBSB7

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 6 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 3.4 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: SBW-7 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631220**
**LLI Group # 1305071**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 12:10 by TH

Submitted: 04/27/2012 10:05
Reported: 05/06/2012 19:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBSB7

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121232AA | 05/03/2012 00:52 | Sara E Johnson | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121211AA | 04/30/2012 14:54 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121211AA | 04/30/2012 14:54 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121232AA | 05/03/2012 00:52 | Sara E Johnson | 1 |

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# Analysis Report



**Sample Description: SW-4 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631221**
**LLI Group # 1305071**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 11:00 by TH

Submitted: 04/27/2012 10:05
Reported: 05/06/2012 19:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBSW4

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: SW-4 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631221**
**LLI Group # 1305071**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 11:00 by TH

Submitted: 04/27/2012 10:05
Reported: 05/06/2012 19:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBSW4

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121232AA | 05/03/2012 01:31 | Sara E Johnson | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121211AA | 04/30/2012 15:14 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121211AA | 04/30/2012 15:14 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121232AA | 05/03/2012 01:31 | Sara E Johnson | 1 |

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# Analysis Report



**Sample Description: SBW-8 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631222**
**LLI Group # 1305071**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 11:25 by TH

Submitted: 04/27/2012 10:05
Reported: 05/06/2012 19:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBSB8

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 4 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 9.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: SBW-8 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631222**
**LLI Group # 1305071**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 11:25 by TH

Submitted: 04/27/2012 10:05
Reported: 05/06/2012 19:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBSB8

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121232AA | 05/03/2012 01:55 | Sara E Johnson | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121211AA | 04/30/2012 16:15 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121211AA | 04/30/2012 16:15 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121232AA | 05/03/2012 01:55 | Sara E Johnson | 1 |

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# Analysis Report



**Sample Description: SBW-9 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631223**
**LLI Group # 1305071**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 11:35 by TH

Submitted: 04/27/2012 10:05
Reported: 05/06/2012 19:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBSB9

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 32 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 320 | 20 | 10 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 170 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 130 | 40 | 20 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: SBW-9 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631223**
**LLI Group # 1305071**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 11:35 by TH

Submitted: 04/27/2012 10:05
Reported: 05/06/2012 19:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBSB9

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121232AA | 05/03/2012 02:19 | Sara E Johnson | 1 |
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121232AB | 05/04/2012 10:56 | Linda C Pape | 10 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121211AA | 04/30/2012 19:35 | Jason M Long | 20 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121211AA | 04/30/2012 19:35 | Jason M Long | 20 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121232AA | 05/03/2012 02:19 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 3 | T121232AB | 05/04/2012 10:56 | Linda C Pape | 10 |

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# Analysis Report



**Sample Description: SBW-10 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631224**
**LLI Group # 1305071**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 11:45 by TH

Submitted: 04/27/2012 10:05
Reported: 05/06/2012 19:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBS10

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: SBW-10 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631224**
**LLI Group # 1305071**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 11:45 by TH

Submitted: 04/27/2012 10:05
Reported: 05/06/2012 19:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBS10

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121232AA | 05/03/2012 02:43 | Sara E Johnson | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121221AA | 05/01/2012 08:14 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121221AA | 05/01/2012 08:14 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121232AA | 05/03/2012 02:43 | Sara E Johnson | 1 |

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# Analysis Report



**Sample Description: SW-5 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631225**
**LLI Group # 1305071**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 11:55 by TH

Submitted: 04/27/2012 10:05
Reported: 05/06/2012 19:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBSW5

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: SW-5 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631225**
**LLI Group # 1305071**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 11:55 by TH

Submitted: 04/27/2012 10:05
Reported: 05/06/2012 19:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBSW5

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121232AA | 05/03/2012 03:07 | Sara E Johnson | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121221AA | 05/01/2012 08:35 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121221AA | 05/01/2012 08:35 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121232AA | 05/03/2012 03:07 | Sara E Johnson | 1 |

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# Analysis Report



**Sample Description: SW-6 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631226**
**LLI Group # 1305071**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 12:00 by TH

Submitted: 04/27/2012 10:05
Reported: 05/06/2012 19:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBSW6

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: SW-6 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631226**
**LLI Group # 1305071**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 12:00 by TH

Submitted: 04/27/2012 10:05
Reported: 05/06/2012 19:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBSW6

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121232AA | 05/03/2012 03:31 | Sara E Johnson | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121221AA | 05/01/2012 08:54 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121221AA | 05/01/2012 08:54 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121232AA | 05/03/2012 03:31 | Sara E Johnson | 1 |

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# Analysis Report



**Sample Description: WSA-Purge Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631227**
**LLI Group # 1305071**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 13:15 by TH

Submitted: 04/27/2012 10:05
Reported: 05/06/2012 19:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBWSA

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 17 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 70 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | 1,4-Dioxane | 123-91-1 | < 250 | 250 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 35 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121232AA | 05/03/2012 03:55 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | T121232AA | 05/03/2012 03:55 | Sara E Johnson | 1 |

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# Analysis Report



**Sample Description: SSA-Purge Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631228**
**LLI Group # 1305071**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 13:20 by TH

Submitted: 04/27/2012 10:05
Reported: 05/06/2012 19:59

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBSSA

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 10 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | 1,4-Dioxane | 123-91-1 | < 250 | 250 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 6 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121232AA | 05/03/2012 04:19 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | T121232AA | 05/03/2012 04:19 | Sara E Johnson | 1 |

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# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1305071
Reported: 05/06/12 at 07:59 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

## Laboratory Compliance Quality Control

| Analysis Name | Blank Result | Blank LOQ | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: E121211AA | Sample number(s): 6631214,6631219-6631223 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 107 | | 80-123 | | |
| Batch number: E121221AA | Sample number(s): 6631215-6631218,6631224-6631226 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 114 | | 80-123 | | |
| Batch number: T121232AA | Sample number(s): 6631214-6631228 | | | | | | | |
| Acetone | < 20 | 20. | ug/l | 91 | | 38-212 | | |
| Benzene | < 5 | 5. | ug/l | 102 | | 77-121 | | |
| Bromodichloromethane | < 5 | 5. | ug/l | 108 | | 73-120 | | |
| Bromoform | < 5 | 5. | ug/l | 95 | | 61-120 | | |
| Bromomethane | < 5 | 5. | ug/l | 89 | | 44-120 | | |
| 2-Butanone | < 10 | 10. | ug/l | 106 | | 53-155 | | |
| Carbon Disulfide | < 5 | 5. | ug/l | 80 | | 62-125 | | |
| Carbon Tetrachloride | < 5 | 5. | ug/l | 106 | | 67-122 | | |
| Chlorobenzene | < 5 | 5. | ug/l | 101 | | 80-120 | | |
| Chloroethane | < 5 | 5. | ug/l | 88 | | 49-129 | | |
| Chloroform | < 5 | 5. | ug/l | 110 | | 77-122 | | |
| Chloromethane | < 5 | 5. | ug/l | 92 | | 60-129 | | |
| Dibromochloromethane | < 5 | 5. | ug/l | 108 | | 72-120 | | |
| 1,1-Dichloroethane | < 5 | 5. | ug/l | 101 | | 79-120 | | |
| 1,2-Dichloroethane | < 5 | 5. | ug/l | 122 | | 64-130 | | |
| 1,1-Dichloroethene | < 2 | 2. | ug/l | 90 | | 80-120 | | |
| cis-1,2-Dichloroethene | < 5 | 5. | ug/l | 99 | | 80-120 | | |
| trans-1,2-Dichloroethene | < 5 | 5. | ug/l | 94 | | 80-120 | | |
| 1,2-Dichloropropane | < 5 | 5. | ug/l | 102 | | 80-120 | | |
| cis-1,3-Dichloropropene | < 5 | 5. | ug/l | 107 | | 78-120 | | |
| trans-1,3-Dichloropropene | < 5 | 5. | ug/l | 110 | | 79-120 | | |
| 1,4-Dioxane | < 250 | 250. | ug/l | 103 | | 62-134 | | |
| Ethylbenzene | < 5 | 5. | ug/l | 99 | | 79-120 | | |
| 2-Hexanone | < 10 | 10. | ug/l | 98 | | 53-139 | | |
| 4-Methyl-2-pentanone | < 10 | 10. | ug/l | 98 | | 58-133 | | |
| Methylene Chloride | < 5 | 5. | ug/l | 101 | | 80-126 | | |
| Styrene | < 5 | 5. | ug/l | 98 | | 77-120 | | |
| 1,1,2,2-Tetrachloroethane | < 5 | 5. | ug/l | 115 | | 75-123 | | |
| Tetrachloroethene | < 5 | 5. | ug/l | 98 | | 79-120 | | |
| Toluene | < 5 | 5. | ug/l | 104 | | 79-120 | | |
| 1,1,1-Trichloroethane | < 5 | 5. | ug/l | 105 | | 70-121 | | |
| 1,1,2-Trichloroethane | < 5 | 5. | ug/l | 106 | | 80-120 | | |
| Trichloroethene | < 5 | 5. | ug/l | 102 | | 80-120 | | |
| Vinyl Chloride | < 2 | 2. | ug/l | 88 | | 56-123 | | |
| Xylene (Total) | < 5 | 5. | ug/l | 97 | | 77-120 | | |
| Batch number: T121232AB | Sample number(s): 6631223 | | | | | | | |
| 1,1-Dichloroethene | < 2 | 2. | ug/l | 91 | | 80-120 | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1305071
Reported: 05/06/12 at 07:59 PM

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| Batch number: E121211AA | Sample number(s): 6631214,6631219-6631223 UNSPK: P628241 | | | | | | | | |
| 1,4-Dioxane | 105 | 105 | 73-138 | 0 | 30 | | | | |
| Batch number: E121221AA | Sample number(s): 6631215-6631218,6631224-6631226 UNSPK: 6631215 | | | | | | | | |
| 1,4-Dioxane | 90 | 96 | 73-138 | 4 | 30 | | | | |
| Batch number: T121232AA | Sample number(s): 6631214-6631228 UNSPK: 6631215 | | | | | | | | |
| Acetone | 87 | 85 | 52-139 | 2 | 30 | | | | |
| Benzene | 109 | 104 | 72-134 | 4 | 30 | | | | |
| Bromodichloromethane | 110 | 107 | 78-125 | 3 | 30 | | | | |
| Bromoform | 96 | 91 | 48-118 | 5 | 30 | | | | |
| Bromomethane | 97 | 89 | 38-149 | 9 | 30 | | | | |
| 2-Butanone | 105 | 100 | 57-138 | 5 | 30 | | | | |
| Carbon Disulfide | 90 | 85 | 67-135 | 6 | 30 | | | | |
| Carbon Tetrachloride | 118 | 114 | 72-135 | 3 | 30 | | | | |
| Chlorobenzene | 105 | 101 | 87-124 | 4 | 30 | | | | |
| Chloroethane | 94 | 88 | 51-145 | 7 | 30 | | | | |
| Chloroform | 117 | 112 | 81-134 | 4 | 30 | | | | |
| Chloromethane | 106 | 94 | 67-154 | 12 | 30 | | | | |
| Dibromochloromethane | 109 | 103 | 74-116 | 7 | 30 | | | | |
| 1,1-Dichloroethane | 99 | 97 | 84-129 | 1 | 30 | | | | |
| 1,2-Dichloroethane | 126 | 124 | 68-131 | 2 | 30 | | | | |
| 1,1-Dichloroethene | 73* | 87 | 85-142 | 3 | 30 | | | | |
| cis-1,2-Dichloroethene | 101 | 100 | 85-125 | 1 | 30 | | | | |
| trans-1,2-Dichloroethene | 101 | 99 | 87-126 | 2 | 30 | | | | |
| 1,2-Dichloropropane | 106 | 101 | 83-124 | 5 | 30 | | | | |
| cis-1,3-Dichloropropene | 109 | 105 | 70-116 | 4 | 30 | | | | |
| trans-1,3-Dichloropropene | 114 | 107 | 74-119 | 7 | 30 | | | | |
| 1,4-Dioxane | 105 | 97 | 56-132 | 8 | 30 | | | | |
| Ethylbenzene | 101 | 96 | 71-134 | 5 | 30 | | | | |
| 2-Hexanone | 99 | 93 | 55-127 | 6 | 30 | | | | |
| 4-Methyl-2-pentanone | 98 | 94 | 63-123 | 4 | 30 | | | | |
| Methylene Chloride | 106 | 101 | 78-133 | 5 | 30 | | | | |
| Styrene | 99 | 94 | 78-125 | 5 | 30 | | | | |
| 1,1,2,2-Tetrachloroethane | 117 | 112 | 72-128 | 4 | 30 | | | | |
| Tetrachloroethene | 105 | 102 | 80-128 | 2 | 30 | | | | |
| Toluene | 111 | 104 | 80-125 | 6 | 30 | | | | |
| 1,1,1-Trichloroethane | 105 | 102 | 74-131 | 1 | 30 | | | | |
| 1,1,2-Trichloroethane | 108 | 102 | 77-124 | 6 | 30 | | | | |
| Trichloroethene | 109 | 106 | 88-133 | 2 | 30 | | | | |
| Vinyl Chloride | 98 | 92 | 66-133 | 6 | 30 | | | | |
| Xylene (Total) | 100 | 95 | 79-125 | 6 | 30 | | | | |
| Batch number: T121232AB | Sample number(s): 6631223 UNSPK: 6631215 | | | | | | | | |
| 1,1-Dichloroethene | 73* | 87 | 85-142 | 3 | 30 | | | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1305071
Reported: 05/06/12 at 07:59 PM

## Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed
unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E121211AA

| | Toluene-d8 |
|---|---|
| 6631214 | 91 |
| 6631219 | 92 |
| 6631220 | 96 |
| 6631221 | 94 |
| 6631222 | 92 |
| 6631223 | 96 |
| Blank | 90 |
| LCS | 95 |
| MS | 92 |
| MSD | 96 |
| Limits: | 80-120 |

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E121221AA

| | Toluene-d8 |
|---|---|
| 6631215 | 96 |
| 6631216 | 98 |
| 6631217 | 94 |
| 6631218 | 92 |
| 6631224 | 94 |
| 6631225 | 96 |
| 6631226 | 95 |
| Blank | 95 |
| LCS | 97 |
| MS | 98 |
| MSD | 94 |
| Limits: | 80-120 |

Analysis Name: 8260 Std. Water Master
Batch number: T121232AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| 6631214 | 103 | 95 | 97 | 101 |
| 6631215 | 105 | 96 | 96 | 100 |
| 6631216 | 102 | 93 | 99 | 105 |
| 6631217 | 105 | 95 | 98 | 103 |
| 6631218 | 105 | 96 | 97 | 100 |
| 6631219 | 105 | 95 | 97 | 100 |
| 6631220 | 105 | 96 | 96 | 102 |
| 6631221 | 105 | 98 | 98 | 101 |
| 6631222 | 105 | 96 | 96 | 101 |
| 6631223 | 108 | 95 | 97 | 101 |
| 6631224 | 106 | 96 | 97 | 100 |
| 6631225 | 104 | 95 | 98 | 102 |
| 6631226 | 106 | 95 | 96 | 100 |
| 6631227 | 106 | 95 | 97 | 102 |
| 6631228 | 105 | 96 | 96 | 100 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1305071
Reported: 05/06/12 at 07:59 PM

## Surrogate Quality Control

| | | | | |
|---|---|---|---|---|
| Blank | 102 | 93 | 98 | 102 |
| LCS | 103 | 97 | 99 | 103 |
| MS | 102 | 93 | 99 | 105 |
| MSD | 105 | 95 | 98 | 103 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

Analysis Name: 8260 Master Scan (water)
Batch number: T121232AB

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| Blank | 103 | 96 | 98 | 103 |
| LCS | 105 | 98 | 100 | 104 |
| MS | 102 | 93 | 99 | 105 |
| MSD | 105 | 95 | 98 | 103 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Environmental Analysis Request/Chain of Custody

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For Lancaster Laboratories use only

Acct. # 6556 Group # 305071 Sample # 6631214-28

**COC # 305011**

Please print. Instructions on reverse side correspond with circled numbers.

(1) Client: The Johnson Co. Acct. #: 06556

Project Name/#: AD-GA / 1-0145-4 PWSID #:

Project Manager: Glen Kirkpatrick P.O.#:

Sampler: Tristan Hardy / Ross Predom Quote #:

Name of state where samples were collected: GA

For Lab Use Only
FSC:
SCR#:

**Preservation Codes**
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

Please use a PQL of 2ug/L Vinyl Chloride

**Remarks**

(6) Temperature of samples upon receipt (if requested)

| (2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | Matrix: Soil | Sediment | Water | Ground/Surface | Potable/NPDES | Other: DI H2O | (4) Total # of Containers | (5) Analyses Requested: 8260 | 1,4-Dioxane by 1,50 Dil SIM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | - | H |
| Trip Blank 2 | 4/26/12 | — | X | | | | | | | X | 4 | 2 | 2 |
| SBW-4 | | 0945 | X | | | | X | | | | 18 | 9 | 9 |
| DP-5 | | 1000 | X | | | | X | | | | 6 | 3 | 3 |
| SBW-6 | | 1040 | X | | | | X | | | | 6 | 3 | 3 |
| SBW-7 | | 1210 | X | | | | X | | | | 2 | 1 | 1 |
| SW-4 | | 1100 | X | | | | X | | | | 6 | 3 | 3 |
| SBW-8 | | 1125 | X | | | | X | | | | 6 | | |
| SBW-9 | | 1135 | X | | | | X | | | | 6 | | |
| ~~SBW-10~~ | | 1145 | X | | | | X | | | | 6 | | |
| ~~SW-5~~ | | 1155 | X | | | | X | | | | 6 | | |
| SW-6 | | 1200 | X | | | | X | | | | 6 | | |

(7) **Turnaround Time Requested** (TAT) (please circle): (Standard) Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone E-mail
Phone #: 802-229-4600
E-mail address: GAK@

(8) **Data Package Options** (please circle if required)
Type I (Validation/non-CLP) MA MCP CT RCP
Type III (Reduced non-CLP)
Type IV (CLP SOW)
Type VI (Raw Data Only)
TX TRRP-13

EDD Required? (Yes) No

Site-specific QC (MS/MSD/Dup)? (Yes) No
(if yes, indicate QC sample and submit triplicate sample volume)

| Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|
| | 4/26/12 | 1630 | | | |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: Beverly Beaty | 4/27/12 | 1000 |

(9)

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 717-656-2300
The white copy should accompany samples to Lancaster Laboratories. The yellow copy should be retained by the client.

Issued by Dept. 40 Management
7044.01

# Environmental Analysis Request/Chain of Custody

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For Lancaster Laboratories use only

Acct. # 6556 Group # 1305671 Sample # 6631214-28

**COC # 305012**

Please print. Instructions on reverse side correspond with circled numbers.

(1) Client: The Johnson Co. Acct. #: 06556

Project Name/#: AD-GA/1-0145-4 PWSID #:

Project Manager: Glen Kirkpatrick P.O.#:

Sampler: Tristan Hardy Quote #:

Name of state where samples were collected: GA

| (2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | Matrix (4): Soil / Sediment / Water / Potable / Ground / Surface / NPDES / Other | Total # of Containers | (5) Analyses Requested — Preservation Codes: H | Remarks |
|---|---|---|---|---|---|---|---|---|
| WSA-Purge | 4/26/12 | 1315 | X | | Water | 2 | 2 | |
| SSA-Purge | 4/26/12 | 1320 | X | | Water | 2 | 2 | |

8260 + 1,4-Dioxane

**For Lab Use Only**

FSC:

SCR#:

**Preservation Codes**

H=HCl T=Thiosulfate

N=$HNO_3$ B=NaOH

S=$H_2SO_4$ O=Other

(6) Temperature of samples upon receipt (if requested)

(7) **Turnaround Time Requested** (TAT) (please circle): Standard Rush

(Rush TAT is subject to Lancaster Laboratories approval and ~~surcharge~~.)

Date results are needed:

Rush results requested by (please circle): Phone E-mail

Phone #: 502-229-4600

E-mail address: GAK@jcomail.com

(8) **Data Package Options** (please circle if required)

Type I (Validation/non-CLP) MA MCP CT RCP

Type III (Reduced non-CLP)

Type IV (CLP SOW)

Type VI (Raw Data Only)

TX TRRP-13

EDD Required? Yes / No

Site-specific QC (MS/MSD/Dup)? Yes / No

(if yes, indicate QC sample and submit triplicate sample volume)

| | Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|---|
| | | 4/26/12 | 1630 | | | |
| | Relinquished by: | Date | Time | Received by: | Date | Time |
| | Relinquished by: | Date | Time | Received by: | Date | Time |
| | Relinquished by: | Date | Time | Received by: | Date | Time |
| | Relinquished by: | Date | Time | Received by: Brandy Bunch | 4/27/12 | 1005 |

(9)

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 717-656-2300

The white copy should accompany samples to Lancaster Laboratories. The yellow copy should be retained by the client.

Issued by Dept. 40 Management

7044.01

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# Environmental Sample Administration
# Receipt Documentation Log

**Client/Project:** The Johnson CO

**Date of Receipt:** 4-27-12

**Time of Receipt:** 1005

**Source Code:** 50-1

**Shipping Container Sealed:** (YES) NO

**Custody Seal Present * :** (YES) NO

* Custody seal was intact unless otherwise noted in the discrepancy section

**Package:** (Chilled) Not Chilled

| Temperature of Shipping Containers | | | | | | | |
|---|---|---|---|---|---|---|---|
| Cooler # | Thermometer ID | Temperature (°C) | Temp Bottle (TB) or Surface Temp (ST) | Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP) | Ice Present? Y/N | Loose (L) Bagged Ice (B) or NA | Comments |
| 1 | 2783 | 2.5 | TB | WI | Y | B | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |

**Number of Trip Blanks received NOT listed on chain of custody:** 0

**Paperwork Discrepancy/Unpacking Problems:**

**Unpacker Signature/Emp#:** Brenely Baneley 2299 **Date/Time:** 4-27-12 10:54

Issued by Dept. 6042 Management

2174.06

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# Explanation of Symbols and Abbreviations

*The following defines common symbols and abbreviations used in reporting technical data:*

| | | | |
|---|---|---|---|
| **RL** | Reporting Limit | **BMQL** | Below Minimum Quantitation Level |
| **N.D.** | none detected | **MPN** | Most Probable Number |
| **TNTC** | Too Numerous To Count | **CP Units** | cobalt-chloroplatinate units |
| **IU** | International Units | **NTU** | nephelometric turbidity units |
| **umhos/cm** | micromhos/cm | **ng** | nanogram(s) |
| **C** | degrees Celsius | **F** | degrees Fahrenheit |
| **meq** | milliequivalents | **lb.** | pound(s) |
| **g** | gram(s) | **kg** | kilogram(s) |
| **µg** | microgram(s) | **mg** | milligram(s) |
| **mL** | milliliter(s) | **L** | liter(s) |
| **m3** | cubic meter(s) | **µL** | microliter(s) |
| | | **pg/L** | picogram/liter |

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

*Data Qualifiers:*

**C –** result confirmed by reanalysis.

**J -** estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

*U.S. EPA CLP Data Qualifiers:*

| **Organic Qualifiers** | | **Inorganic Qualifiers** | |
|---|---|---|---|
| **A** | TIC is a possible aldol-condensation product | **B** | Value is <CRDL, but ≥IDL |
| **B** | Analyte was also detected in the blank | **E** | Estimated due to interference |
| **C** | Pesticide result confirmed by GC/MS | **M** | Duplicate injection precision not met |
| **D** | Compound quantitated on a diluted sample | **N** | Spike sample not within control limits |
| **E** | Concentration exceeds the calibration range of the instrument | **S** | Method of standard additions (MSA) used for calculation |
| **N** | Presumptive evidence of a compound (TICs only) | **U** | Compound was not detected |
| **P** | Concentration difference between primary and confirmation columns >25% | **W** | Post digestion spike out of control limits |
| **U** | Compound was not detected | ***** | Duplicate analysis not within control limits |
| **X,Y,Z** | Defined in case narrative | **+** | Correlation coefficient for MSA <0.995 |

**Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.**

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

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ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

May 07, 2012

Project: Avery Dennison / Flowery Branch, GA

Submittal Date: 04/27/2012
Group Number: 1305085
PO Number: 1-0145-4
State of Sample Origin: GA

| Client Sample Description | Lancaster Labs (LLI) # |
|---|---|
| Trip Blank Water | 6631291 |
| EB-2 Grab Water | 6631292 |
| MW-59I Grab Water | 6631293 |
| MW-58S Grab Water | 6631294 |
| BR-21 Grab Water | 6631295 |
| BR-9D Grab Water | 6631296 |
| SW-DS-5 Grab Water | 6631297 |
| SW-DS-2 Grab Water | 6631298 |
| SW-DS-1 Grab Water | 6631299 |
| SW-0 Grab Water | 6631300 |
| Trip Blank 1 Water | 6631301 |
| SW-1 Grab Water | 6631302 |
| SW-1MS Grab Water | 6631303 |
| SW-1MSD Grab Water | 6631304 |
| SBW-1 Grab Water | 6631305 |
| SBW-2 Grab Water | 6631306 |
| SW-DUP Grab Water | 6631307 |
| SBW-5 Grab Water | 6631308 |
| SBW-3 Grab Water | 6631309 |
| BR-7 Grab Water | 6631310 |
| SW-2 Grab Water | 6631311 |
| SW-3 Grab Water | 6631312 |

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

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# Analysis Report

ELECTRONIC COPY TO The Johnson Company, Inc. Attn: Glen Kirkpatrick

Respectfully Submitted,



Wendy A. Kozma
Principal Specialist Group Leader

(717) 556-7257

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# Analysis Report



**Sample Description: Trip Blank Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631291**
**LLI Group # 1305085**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/25/2012

Submitted: 04/27/2012 10:05
Reported: 05/07/2012 19:52

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

TBFB-

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: Trip Blank Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631291**
**LLI Group # 1305085**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/25/2012

Submitted: 04/27/2012 10:05
Reported: 05/07/2012 19:52

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

TBFB-

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121231AA | 05/02/2012 09:45 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121221AA | 05/01/2012 07:14 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121221AA | 05/01/2012 07:14 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121231AA | 05/02/2012 09:45 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: EB-2 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631292**
**LLI Group # 1305085**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/25/2012 16:52 by TH

Submitted: 04/27/2012 10:05
Reported: 05/07/2012 19:52

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBEB2

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: EB-2 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631292**
**LLI Group # 1305085**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/25/2012 16:52 by TH

Submitted: 04/27/2012 10:05
Reported: 05/07/2012 19:52

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBEB2

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121231AA | 05/02/2012 10:11 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121221AA | 05/01/2012 07:34 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121221AA | 05/01/2012 07:34 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121231AA | 05/02/2012 10:11 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: MW-59I Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631293**
**LLI Group # 1305085**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/25/2012 17:17 by TH

Submitted: 04/27/2012 10:05
Reported: 05/07/2012 19:52

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FB59I

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-59I Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631293**
**LLI Group # 1305085**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/25/2012 17:17 by TH

Submitted: 04/27/2012 10:05
Reported: 05/07/2012 19:52

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FB59I

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121231AA | 05/02/2012 12:11 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121221AA | 05/01/2012 09:35 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121221AA | 05/01/2012 09:35 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121231AA | 05/02/2012 12:11 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: MW-58S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631294**
**LLI Group # 1305085**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/25/2012 15:10 by TH

Submitted: 04/27/2012 10:05
Reported: 05/07/2012 19:52

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FB58S

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 12 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 55 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 69 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 7 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 3.3 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: MW-58S Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631294**
**LLI Group # 1305085**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/25/2012 15:10 by TH

Submitted: 04/27/2012 10:05
Reported: 05/07/2012 19:52

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FB58S

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121231AA | 05/02/2012 12:35 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121221AA | 05/01/2012 12:28 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121221AA | 05/01/2012 12:28 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121231AA | 05/02/2012 12:35 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: BR-21 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631295**
**LLI Group # 1305085**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/25/2012 16:55 by TH

Submitted: 04/27/2012 10:05
Reported: 05/07/2012 19:52

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBB21

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 110 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 560 | 20 | 10 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 94 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 11 | 4.0 | 2 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: BR-21 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631295**
**LLI Group # 1305085**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/25/2012 16:55 by TH

Submitted: 04/27/2012 10:05
Reported: 05/07/2012 19:52

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBB21

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121231AA | 05/02/2012 14:28 | Linda C Pape | 1 |
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121232AA | 05/02/2012 22:28 | Sara E Johnson | 10 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121221AA | 05/01/2012 13:06 | Jason M Long | 2 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121221AA | 05/01/2012 13:06 | Jason M Long | 2 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121231AA | 05/02/2012 14:28 | Linda C Pape | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 3 | T121232AA | 05/02/2012 22:28 | Sara E Johnson | 10 |

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# Analysis Report



**Sample Description: BR-9D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631296**
**LLI Group # 1305085**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/25/2012 16:20 by TH

Submitted: 04/27/2012 10:05
Reported: 05/07/2012 19:52

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBB9D

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: BR-9D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631296**
**LLI Group # 1305085**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/25/2012 16:20 by TH

Submitted: 04/27/2012 10:05
Reported: 05/07/2012 19:52

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBB9D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121231AA | 05/02/2012 14:52 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121221AA | 05/01/2012 13:47 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121221AA | 05/01/2012 13:47 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121231AA | 05/02/2012 14:52 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: SW-DS-5 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631297**
**LLI Group # 1305085**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 07:55 by TH

Submitted: 04/27/2012 10:05
Reported: 05/07/2012 19:52

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBSD5

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: SW-DS-5 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631297**
**LLI Group # 1305085**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 07:55 by TH

Submitted: 04/27/2012 10:05
Reported: 05/07/2012 19:52

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBSD5

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121231AA | 05/02/2012 18:27 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121222AA | 05/01/2012 19:03 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121222AA | 05/01/2012 19:03 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121231AA | 05/02/2012 18:27 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: SW-DS-2 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631298**
**LLI Group # 1305085**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 08:05 by TH

Submitted: 04/27/2012 10:05
Reported: 05/07/2012 19:52

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBSD2

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: SW-DS-2 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631298**
**LLI Group # 1305085**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 08:05 by TH

Submitted: 04/27/2012 10:05
Reported: 05/07/2012 19:52

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBSD2

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121231AA | 05/02/2012 18:51 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121221AA | 05/01/2012 12:46 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121221AA | 05/01/2012 12:46 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121231AA | 05/02/2012 18:51 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: SW-DS-1 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631299**
**LLI Group # 1305085**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 08:10 by TH

Submitted: 04/27/2012 10:05
Reported: 05/07/2012 19:52

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBSD1

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 3 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: SW-DS-1 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631299**
**LLI Group # 1305085**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 08:10 by TH

Submitted: 04/27/2012 10:05
Reported: 05/07/2012 19:52

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBSD1

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121231AA | 05/02/2012 19:15 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121221AA | 05/01/2012 09:55 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121221AA | 05/01/2012 09:55 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121231AA | 05/02/2012 19:15 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: SW-0 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631300**
**LLI Group # 1305085**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 08:15 by TH

Submitted: 04/27/2012 10:05
Reported: 05/07/2012 19:52

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBSW0

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 3 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: SW-0 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631300**
**LLI Group # 1305085**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 08:15 by TH

Submitted: 04/27/2012 10:05
Reported: 05/07/2012 19:52

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBSW0

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121232AA | 05/03/2012 04:43 | Sara E Johnson | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121221AA | 05/01/2012 10:14 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121221AA | 05/01/2012 10:14 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121232AA | 05/03/2012 04:43 | Sara E Johnson | 1 |

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# Analysis Report



**Sample Description: Trip Blank 1 Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631301**
**LLI Group # 1305085**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012

Submitted: 04/27/2012 10:05
Reported: 05/07/2012 19:52

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBTB1

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: Trip Blank 1 Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631301**
**LLI Group # 1305085**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012

Submitted: 04/27/2012 10:05
Reported: 05/07/2012 19:52

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBTB1

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121231AA | 05/02/2012 10:34 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121221AA | 05/01/2012 07:54 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121221AA | 05/01/2012 07:54 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121231AA | 05/02/2012 10:34 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: SW-1 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631302**
**LLI Group # 1305085**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 08:35 by TH

Submitted: 04/27/2012 10:05
Reported: 05/07/2012 19:52

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBSW1

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 5 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: SW-1 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631302**
**LLI Group # 1305085**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 08:35 by TH

Submitted: 04/27/2012 10:05
Reported: 05/07/2012 19:52

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBSW1

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121231AA | 05/02/2012 15:16 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121222AA | 05/01/2012 17:43 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121222AA | 05/01/2012 17:43 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121231AA | 05/02/2012 15:16 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: SW-1MS Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631303**
**LLI Group # 1305085**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 08:35 by TH

Submitted: 04/27/2012 10:05
Reported: 05/07/2012 19:52

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBSW1

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | 130 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | 22 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | 23 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | 19 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | 19 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | 160 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | 19 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | 24 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | 21 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 20 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | 23 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | 20 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | 22 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 23 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | 25 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 25 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | 21 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | 20 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | 21 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | 22 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | 22 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | 20 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | 95 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | 98 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | 21 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | 20 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 23 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | 21 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | 22 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 25 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | 21 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | 22 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 20 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | 61 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 5.7 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: SW-1MS Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631303**
**LLI Group # 1305085**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 08:35 by TH

Submitted: 04/27/2012 10:05
Reported: 05/07/2012 19:52

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

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## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121231AA | 05/02/2012 15:40 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121222AA | 05/01/2012 18:03 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121222AA | 05/01/2012 18:03 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121231AA | 05/02/2012 15:40 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: SW-1MSD Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631304**
**LLI Group # 1305085**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 08:35 by TH

Submitted: 04/27/2012 10:05
Reported: 05/07/2012 19:52

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBSW1

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | 130 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | 21 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | 22 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | 19 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | 19 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | 150 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | 18 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | 24 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | 21 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 19 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | 22 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | 19 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | 22 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 23 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | 24 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 25 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | 21 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | 20 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | 21 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | 22 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | 22 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | 20 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | 95 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | 97 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | 21 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | 20 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 23 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | 21 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | 22 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 25 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | 21 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | 22 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 20 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | 60 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 6.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: SW-1MSD Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631304**
**LLI Group # 1305085**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 08:35 by TH

Submitted: 04/27/2012 10:05
Reported: 05/07/2012 19:52

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Suite 600
100 State Street
Montpelier VT 05602

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## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121231AA | 05/02/2012 16:04 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121222AA | 05/01/2012 18:23 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121222AA | 05/01/2012 18:23 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121231AA | 05/02/2012 16:04 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: SBW-1 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631305**
**LLI Group # 1305085**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 08:45 by TH

Submitted: 04/27/2012 10:05
Reported: 05/07/2012 19:52

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Suite 600
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Montpelier VT 05602

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| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: SBW-1 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631305**
**LLI Group # 1305085**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 08:45 by TH

Submitted: 04/27/2012 10:05
Reported: 05/07/2012 19:52

The Johnson Company, Inc.
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Montpelier VT 05602

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## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121231AA | 05/02/2012 16:28 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121222AA | 05/01/2012 19:23 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121222AA | 05/01/2012 19:23 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121231AA | 05/02/2012 16:28 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: SBW-2 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631306**
**LLI Group # 1305085**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 09:00 by TH

Submitted: 04/27/2012 10:05
Reported: 05/07/2012 19:52

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBSB2

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: SBW-2 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631306**
**LLI Group # 1305085**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 09:00 by TH

Submitted: 04/27/2012 10:05
Reported: 05/07/2012 19:52

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBSB2

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121231AA | 05/02/2012 16:52 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121222AA | 05/01/2012 19:43 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121222AA | 05/01/2012 19:43 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121231AA | 05/02/2012 16:52 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: SW-DUP Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631307**
**LLI Group # 1305085**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 09:00 by TH

Submitted: 04/27/2012 10:05
Reported: 05/07/2012 19:52

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBSWD

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 5 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: SW-DUP Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631307**
**LLI Group # 1305085**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 09:00 by TH

Submitted: 04/27/2012 10:05
Reported: 05/07/2012 19:52

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBSWD

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121231AA | 05/02/2012 17:16 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121221AA | 05/01/2012 14:07 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121221AA | 05/01/2012 14:07 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121231AA | 05/02/2012 17:16 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: SBW-5 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631308**
**LLI Group # 1305085**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 10:05 by TH

Submitted: 04/27/2012 10:05
Reported: 05/07/2012 19:52

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBSB5

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: SBW-5 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631308**
**LLI Group # 1305085**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 10:05 by TH

Submitted: 04/27/2012 10:05
Reported: 05/07/2012 19:52

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBSB5

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121231AA | 05/02/2012 17:39 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121221AA | 05/01/2012 10:33 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121221AA | 05/01/2012 10:33 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121231AA | 05/02/2012 17:39 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: SBW-3 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631309**
**LLI Group # 1305085**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 09:15 by TH

Submitted: 04/27/2012 10:05
Reported: 05/07/2012 19:52

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBSB3

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 17 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: SBW-3 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631309**
**LLI Group # 1305085**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 09:15 by TH

Submitted: 04/27/2012 10:05
Reported: 05/07/2012 19:52

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBSB3

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121231AA | 05/02/2012 18:03 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121222AA | 05/01/2012 20:03 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121222AA | 05/01/2012 20:03 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121231AA | 05/02/2012 18:03 | Linda C Pape | 1 |

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# Analysis Report



**Sample Description: BR-7 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631310**
**LLI Group # 1305085**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 12:52 by TH

Submitted: 04/27/2012 10:05
Reported: 05/07/2012 19:52

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Suite 600
100 State Street
Montpelier VT 05602

FBER7

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: BR-7 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631310**
**LLI Group # 1305085**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 12:52 by TH

Submitted: 04/27/2012 10:05
Reported: 05/07/2012 19:52

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBER7

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121232AA | 05/03/2012 05:07 | Sara E Johnson | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121222AA | 05/01/2012 20:23 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121222AA | 05/01/2012 20:23 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121232AA | 05/03/2012 05:07 | Sara E Johnson | 1 |

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# Analysis Report



**Sample Description: SW-2 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631311**
**LLI Group # 1305085**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 09:25 by TH

Submitted: 04/27/2012 10:05
Reported: 05/07/2012 19:52

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBSW2

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 6 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: SW-2 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631311**
**LLI Group # 1305085**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 09:25 by TH

Submitted: 04/27/2012 10:05
Reported: 05/07/2012 19:52

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBSW2

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121232AA | 05/03/2012 05:31 | Sara E Johnson | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121222AA | 05/01/2012 21:04 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121222AA | 05/01/2012 21:04 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121232AA | 05/03/2012 05:31 | Sara E Johnson | 1 |

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# Analysis Report



**Sample Description: SW-3 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631312**
**LLI Group # 1305085**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 10:25 by TH

Submitted: 04/27/2012 10:05
Reported: 05/07/2012 19:52

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBSW3

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 3 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report



**Sample Description: SW-3 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6631312**
**LLI Group # 1305085**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 04/26/2012 10:25 by TH

Submitted: 04/27/2012 10:05
Reported: 05/07/2012 19:52

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FBSW3

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T121232AA | 05/03/2012 05:55 | Sara E Johnson | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E121222AA | 05/01/2012 20:43 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E121222AA | 05/01/2012 20:43 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T121232AA | 05/03/2012 05:55 | Sara E Johnson | 1 |

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# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1305085
Reported: 05/07/12 at 07:52 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

## Laboratory Compliance Quality Control

| Analysis Name | Blank Result | Blank LOQ | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: E121221AA | Sample number(s): 6631291-6631296,6631298-6631301,6631307-6631308 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 114 | | 80-123 | | |
| Batch number: E121222AA | Sample number(s): 6631297,6631302-6631306,6631309-6631312 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 105 | | 80-123 | | |
| Batch number: T121231AA | Sample number(s): 6631291-6631299,6631301-6631309 | | | | | | | |
| Acetone | < 20 | 20. | ug/l | 86 | | 38-212 | | |
| Benzene | < 5 | 5. | ug/l | 101 | | 77-121 | | |
| Bromodichloromethane | < 5 | 5. | ug/l | 103 | | 73-120 | | |
| Bromoform | < 5 | 5. | ug/l | 99 | | 61-120 | | |
| Bromomethane | < 5 | 5. | ug/l | 84 | | 44-120 | | |
| 2-Butanone | < 10 | 10. | ug/l | 100 | | 53-155 | | |
| Carbon Disulfide | < 5 | 5. | ug/l | 83 | | 62-125 | | |
| Carbon Tetrachloride | < 5 | 5. | ug/l | 102 | | 67-122 | | |
| Chlorobenzene | < 5 | 5. | ug/l | 102 | | 80-120 | | |
| Chloroethane | < 5 | 5. | ug/l | 86 | | 49-129 | | |
| Chloroform | < 5 | 5. | ug/l | 104 | | 77-122 | | |
| Chloromethane | < 5 | 5. | ug/l | 91 | | 60-129 | | |
| Dibromochloromethane | < 5 | 5. | ug/l | 106 | | 72-120 | | |
| 1,1-Dichloroethane | < 5 | 5. | ug/l | 100 | | 79-120 | | |
| 1,2-Dichloroethane | < 5 | 5. | ug/l | 112 | | 64-130 | | |
| 1,1-Dichloroethene | < 5 | 5. | ug/l | 93 | | 80-120 | | |
| cis-1,2-Dichloroethene | < 5 | 5. | ug/l | 100 | | 80-120 | | |
| trans-1,2-Dichloroethene | < 5 | 5. | ug/l | 96 | | 80-120 | | |
| 1,2-Dichloropropane | < 5 | 5. | ug/l | 100 | | 80-120 | | |
| cis-1,3-Dichloropropene | < 5 | 5. | ug/l | 104 | | 78-120 | | |
| trans-1,3-Dichloropropene | < 5 | 5. | ug/l | 105 | | 79-120 | | |
| Ethylbenzene | < 5 | 5. | ug/l | 94 | | 79-120 | | |
| 2-Hexanone | < 10 | 10. | ug/l | 96 | | 53-139 | | |
| 4-Methyl-2-pentanone | < 10 | 10. | ug/l | 95 | | 58-133 | | |
| Methylene Chloride | < 5 | 5. | ug/l | 100 | | 80-126 | | |
| Styrene | < 5 | 5. | ug/l | 98 | | 77-120 | | |
| 1,1,2,2-Tetrachloroethane | < 5 | 5. | ug/l | 114 | | 75-123 | | |
| Tetrachloroethene | < 5 | 5. | ug/l | 99 | | 79-120 | | |
| Toluene | < 5 | 5. | ug/l | 102 | | 79-120 | | |
| 1,1,1-Trichloroethane | < 5 | 5. | ug/l | 98 | | 70-121 | | |
| 1,1,2-Trichloroethane | < 5 | 5. | ug/l | 104 | | 80-120 | | |
| Trichloroethene | < 5 | 5. | ug/l | 101 | | 80-120 | | |
| Vinyl Chloride | < 5 | 5. | ug/l | 89 | | 56-123 | | |
| Xylene (Total) | < 5 | 5. | ug/l | 95 | | 77-120 | | |
| Batch number: T121232AA | Sample number(s): 6631295,6631300,6631310-6631312 | | | | | | | |
| Acetone | < 20 | 20. | ug/l | 91 | | 38-212 | | |
| Benzene | < 5 | 5. | ug/l | 102 | | 77-121 | | |
| Bromodichloromethane | < 5 | 5. | ug/l | 108 | | 73-120 | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1305085
Reported: 05/07/12 at 07:52 PM

| Analysis Name | Blank Result | Blank LOQ | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Bromoform | < 5 | 5. | ug/l | 95 | | 61-120 | | |
| Bromomethane | < 5 | 5. | ug/l | 89 | | 44-120 | | |
| 2-Butanone | < 10 | 10. | ug/l | 106 | | 53-155 | | |
| Carbon Disulfide | < 5 | 5. | ug/l | 80 | | 62-125 | | |
| Carbon Tetrachloride | < 5 | 5. | ug/l | 106 | | 67-122 | | |
| Chlorobenzene | < 5 | 5. | ug/l | 101 | | 80-120 | | |
| Chloroethane | < 5 | 5. | ug/l | 88 | | 49-129 | | |
| Chloroform | < 5 | 5. | ug/l | 110 | | 77-122 | | |
| Chloromethane | < 5 | 5. | ug/l | 92 | | 60-129 | | |
| Dibromochloromethane | < 5 | 5. | ug/l | 108 | | 72-120 | | |
| 1,1-Dichloroethane | < 5 | 5. | ug/l | 101 | | 79-120 | | |
| 1,2-Dichloroethane | < 5 | 5. | ug/l | 122 | | 64-130 | | |
| 1,1-Dichloroethene | < 2 | 2. | ug/l | 90 | | 80-120 | | |
| cis-1,2-Dichloroethene | < 5 | 5. | ug/l | 99 | | 80-120 | | |
| trans-1,2-Dichloroethene | < 5 | 5. | ug/l | 94 | | 80-120 | | |
| 1,2-Dichloropropane | < 5 | 5. | ug/l | 102 | | 80-120 | | |
| cis-1,3-Dichloropropene | < 5 | 5. | ug/l | 107 | | 78-120 | | |
| trans-1,3-Dichloropropene | < 5 | 5. | ug/l | 110 | | 79-120 | | |
| Ethylbenzene | < 5 | 5. | ug/l | 99 | | 79-120 | | |
| 2-Hexanone | < 10 | 10. | ug/l | 98 | | 53-139 | | |
| 4-Methyl-2-pentanone | < 10 | 10. | ug/l | 98 | | 58-133 | | |
| Methylene Chloride | < 5 | 5. | ug/l | 101 | | 80-126 | | |
| Styrene | < 5 | 5. | ug/l | 98 | | 77-120 | | |
| 1,1,2,2-Tetrachloroethane | < 5 | 5. | ug/l | 115 | | 75-123 | | |
| Tetrachloroethene | < 5 | 5. | ug/l | 98 | | 79-120 | | |
| Toluene | < 5 | 5. | ug/l | 104 | | 79-120 | | |
| 1,1,1-Trichloroethane | < 5 | 5. | ug/l | 105 | | 70-121 | | |
| 1,1,2-Trichloroethane | < 5 | 5. | ug/l | 106 | | 80-120 | | |
| Trichloroethene | < 5 | 5. | ug/l | 102 | | 80-120 | | |
| Vinyl Chloride | < 2 | 2. | ug/l | 88 | | 56-123 | | |
| Xylene (Total) | < 5 | 5. | ug/l | 97 | | 77-120 | | |

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| Batch number: E121221AA | Sample number(s): 6631291-6631296,6631298-6631301,6631307-6631308 UNSPK: P631215 | | | | | | | | |
| 1,4-Dioxane | 90 | 96 | 73-138 | 4 | 30 | | | | |
| Batch number: E121222AA | Sample number(s): 6631297,6631302-6631306,6631309-6631312 UNSPK: 6631302 | | | | | | | | |
| 1,4-Dioxane | 92 | 97 | 73-138 | 4 | 30 | | | | |
| Batch number: T121231AA | Sample number(s): 6631291-6631299,6631301-6631309 UNSPK: 6631302 | | | | | | | | |
| Acetone | 89 | 87 | 52-139 | 2 | 30 | | | | |
| Benzene | 111 | 107 | 72-134 | 3 | 30 | | | | |
| Bromodichloromethane | 113 | 111 | 78-125 | 2 | 30 | | | | |
| Bromoform | 97 | 94 | 48-118 | 4 | 30 | | | | |
| Bromomethane | 96 | 93 | 38-149 | 3 | 30 | | | | |
| 2-Butanone | 104 | 100 | 57-138 | 3 | 30 | | | | |
| Carbon Disulfide | 94 | 91 | 67-135 | 3 | 30 | | | | |
| Carbon Tetrachloride | 119 | 118 | 72-135 | 1 | 30 | | | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1305085
Reported: 05/07/12 at 07:52 PM

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| Chlorobenzene | 106 | 106 | 87-124 | 0 | 30 | | | | |
| Chloroethane | 98 | 95 | 51-145 | 3 | 30 | | | | |
| Chloroform | 116 | 112 | 81-134 | 3 | 30 | | | | |
| Chloromethane | 101 | 96 | 67-154 | 4 | 30 | | | | |
| Dibromochloromethane | 109 | 108 | 74-116 | 1 | 30 | | | | |
| 1,1-Dichloroethane | 110 | 108 | 84-129 | 2 | 30 | | | | |
| 1,2-Dichloroethane | 126 | 122 | 68-131 | 3 | 30 | | | | |
| 1,1-Dichloroethene | 103 | 101 | 85-142 | 2 | 30 | | | | |
| cis-1,2-Dichloroethene | 106 | 104 | 85-125 | 2 | 30 | | | | |
| trans-1,2-Dichloroethene | 101 | 102 | 87-126 | 2 | 30 | | | | |
| 1,2-Dichloropropane | 107 | 105 | 83-124 | 1 | 30 | | | | |
| cis-1,3-Dichloropropene | 110 | 108 | 70-116 | 2 | 30 | | | | |
| trans-1,3-Dichloropropene | 110 | 110 | 74-119 | 1 | 30 | | | | |
| Ethylbenzene | 102 | 101 | 71-134 | 1 | 30 | | | | |
| 2-Hexanone | 95 | 95 | 55-127 | 0 | 30 | | | | |
| 4-Methyl-2-pentanone | 98 | 97 | 63-123 | 1 | 30 | | | | |
| Methylene Chloride | 106 | 104 | 78-133 | 1 | 30 | | | | |
| Styrene | 101 | 99 | 78-125 | 2 | 30 | | | | |
| 1,1,2,2-Tetrachloroethane | 116 | 115 | 72-128 | 1 | 30 | | | | |
| Tetrachloroethene | 107 | 105 | 80-128 | 2 | 30 | | | | |
| Toluene | 111 | 110 | 80-125 | 1 | 30 | | | | |
| 1,1,1-Trichloroethane | 116 | 114 | 74-131 | 1 | 30 | | | | |
| 1,1,2-Trichloroethane | 105 | 106 | 77-124 | 1 | 30 | | | | |
| Trichloroethene | 110 | 108 | 88-133 | 2 | 30 | | | | |
| Vinyl Chloride | 101 | 100 | 66-133 | 2 | 30 | | | | |
| Xylene (Total) | 101 | 100 | 79-125 | 1 | 30 | | | | |
| Batch number: T121232AA | Sample number(s): 6631295,6631300,6631310-6631312 UNSPK: P631215 | | | | | | | | |
| Acetone | 87 | 85 | 52-139 | 2 | 30 | | | | |
| Benzene | 109 | 104 | 72-134 | 4 | 30 | | | | |
| Bromodichloromethane | 110 | 107 | 78-125 | 3 | 30 | | | | |
| Bromoform | 96 | 91 | 48-118 | 5 | 30 | | | | |
| Bromomethane | 97 | 89 | 38-149 | 9 | 30 | | | | |
| 2-Butanone | 105 | 100 | 57-138 | 5 | 30 | | | | |
| Carbon Disulfide | 90 | 85 | 67-135 | 6 | 30 | | | | |
| Carbon Tetrachloride | 118 | 114 | 72-135 | 3 | 30 | | | | |
| Chlorobenzene | 105 | 101 | 87-124 | 4 | 30 | | | | |
| Chloroethane | 94 | 88 | 51-145 | 7 | 30 | | | | |
| Chloroform | 117 | 112 | 81-134 | 4 | 30 | | | | |
| Chloromethane | 106 | 94 | 67-154 | 12 | 30 | | | | |
| Dibromochloromethane | 109 | 103 | 74-116 | 7 | 30 | | | | |
| 1,1-Dichloroethane | 99 | 97 | 84-129 | 1 | 30 | | | | |
| 1,2-Dichloroethane | 126 | 124 | 68-131 | 2 | 30 | | | | |
| 1,1-Dichloroethene | 73* | 87 | 85-142 | 3 | 30 | | | | |
| cis-1,2-Dichloroethene | 101 | 100 | 85-125 | 1 | 30 | | | | |
| trans-1,2-Dichloroethene | 101 | 99 | 87-126 | 2 | 30 | | | | |
| 1,2-Dichloropropane | 106 | 101 | 83-124 | 5 | 30 | | | | |
| cis-1,3-Dichloropropene | 109 | 105 | 70-116 | 4 | 30 | | | | |
| trans-1,3-Dichloropropene | 114 | 107 | 74-119 | 7 | 30 | | | | |
| Ethylbenzene | 101 | 96 | 71-134 | 5 | 30 | | | | |
| 2-Hexanone | 99 | 93 | 55-127 | 6 | 30 | | | | |
| 4-Methyl-2-pentanone | 98 | 94 | 63-123 | 4 | 30 | | | | |
| Methylene Chloride | 106 | 101 | 78-133 | 5 | 30 | | | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1305085
Reported: 05/07/12 at 07:52 PM

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| Styrene | 99 | 94 | 78-125 | 5 | 30 | | | | |
| 1,1,2,2-Tetrachloroethane | 117 | 112 | 72-128 | 4 | 30 | | | | |
| Tetrachloroethene | 105 | 102 | 80-128 | 2 | 30 | | | | |
| Toluene | 111 | 104 | 80-125 | 6 | 30 | | | | |
| 1,1,1-Trichloroethane | 105 | 102 | 74-131 | 1 | 30 | | | | |
| 1,1,2-Trichloroethane | 108 | 102 | 77-124 | 6 | 30 | | | | |
| Trichloroethene | 109 | 106 | 88-133 | 2 | 30 | | | | |
| Vinyl Chloride | 98 | 92 | 66-133 | 6 | 30 | | | | |
| Xylene (Total) | 100 | 95 | 79-125 | 6 | 30 | | | | |

## Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed
unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E121221AA

| | Toluene-d8 |
|---|---|
| 6631291 | 105 |
| 6631292 | 98 |
| 6631293 | 97 |
| 6631294 | 95 |
| 6631295 | 92 |
| 6631296 | 96 |
| 6631298 | 94 |
| 6631299 | 96 |
| 6631300 | 95 |
| 6631301 | 104 |
| 6631307 | 94 |
| 6631308 | 102 |
| Blank | 95 |
| LCS | 97 |
| MS | 98 |
| MSD | 94 |
| Limits: | 80-120 |

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E121222AA

| | Toluene-d8 |
|---|---|
| 6631297 | 90 |
| 6631302 | 95 |
| 6631303 | 91 |
| 6631304 | 92 |
| 6631305 | 97 |
| 6631306 | 99 |
| 6631309 | 98 |
| 6631310 | 93 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1305085
Reported: 05/07/12 at 07:52 PM

## Surrogate Quality Control

| | |
|---|---|
| 6631311 | 92 |
| 6631312 | 98 |
| Blank | 100 |
| LCS | 93 |
| MS | 91 |
| MSD | 92 |
| Limits: | 80-120 |

Analysis Name: 8260 Std. Water Master
Batch number: T121231AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| 6631291 | 102 | 96 | 96 | 97 |
| 6631292 | 103 | 95 | 98 | 99 |
| 6631293 | 103 | 96 | 96 | 101 |
| 6631294 | 103 | 94 | 97 | 100 |
| 6631295 | 104 | 98 | 98 | 101 |
| 6631296 | 103 | 96 | 97 | 101 |
| 6631297 | 105 | 96 | 97 | 101 |
| 6631298 | 105 | 96 | 97 | 103 |
| 6631299 | 106 | 93 | 96 | 101 |
| 6631301 | 101 | 96 | 98 | 98 |
| 6631302 | 104 | 96 | 98 | 101 |
| 6631303 | 105 | 96 | 99 | 104 |
| 6631304 | 103 | 96 | 98 | 103 |
| 6631305 | 103 | 95 | 98 | 101 |
| 6631306 | 104 | 96 | 97 | 102 |
| 6631307 | 104 | 95 | 98 | 102 |
| 6631308 | 105 | 96 | 97 | 100 |
| 6631309 | 104 | 94 | 98 | 100 |
| Blank | 102 | 98 | 97 | 99 |
| LCS | 99 | 95 | 96 | 98 |
| MS | 105 | 96 | 99 | 104 |
| MSD | 103 | 96 | 98 | 103 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

Analysis Name: 8260 Std. Water Master
Batch number: T121232AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| 6631300 | 106 | 98 | 95 | 99 |
| 6631310 | 105 | 96 | 97 | 101 |
| 6631311 | 107 | 95 | 96 | 100 |
| 6631312 | 107 | 95 | 97 | 100 |
| Blank | 102 | 93 | 98 | 102 |
| LCS | 103 | 97 | 99 | 103 |
| MS | 102 | 93 | 99 | 105 |
| MSD | 105 | 95 | 98 | 103 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Environmental Analysis Request/Chain of Custody

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For Lancaster Laboratories use only

Acct. # 6556 Group # 1305085 Sample # 6631291-312

**COC # 305009**

Please print. Instructions on reverse side correspond with circled numbers.

(1) Client: The Johnson Co. Acct. #: 06556

Project Name/#: AP-GA/1-0145-4 PWSID #:

Project Manager: Glen Kirkpatrick P.O.#:

Sampler: Tristan Hardy / Ross Predom Quote #:

Name of state where samples were collected: GA

**For Lab Use Only**
FSC:
SCR#:

**Preservation Codes**
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

Please use a PQL of 2µg/L for Vinyl Chloride

**Remarks**

(6) Temperature of samples upon receipt (if requested)

| (2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | Matrix: Soil | Sediment | Water | Other | (4) Total # of Containers | (5) Analyses Requested: Preservation Codes — | H | 8260 | 1,4-D. oxane by 1,2 DCA SIM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Trip Blank | 4/25/12 | — | X | | | | | X | 4 | | | 2 | 2 |
| EB-2 | | 1652 | X | | | | | X | 4 | | | 2 | 2 |
| MW-59I | | 1717 | X | | | | X | | 6 | | | 3 | 3 |
| MW-58S | | 1510 | X | | | | X | | 6 | | | 3 | 3 |
| BR-2I | | 1655 | X | | | | X | | 6 | | | 3 | 3 |
| BR-9D | | 1620 | X | | | | X | | 6 | | | 3 | 3 |
| SW-DS-5 | 4/26/12 | 0755 | X | | | | X | | 6 | | | 3 | 3 |
| SW-DS-2 | | 0805 | X | | | | X | | 6 | | | 3 | 3 |
| SW-DS-1 | | 0810 | X | | | | X | | 6 | | | 3 | 3 |
| SW-0 | | 0815 | X | | | | X | | 6 | | | 3 | 3 |

(7) **Turnaround Time Requested** (TAT) (please circle): (Standard) Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone E-mail
Phone #: 802-229-4600
E-mail address: GAK@jcomail.com

(8) **Data Package Options** (please circle if required)
Type I (Validation/non-CLP) MA MCP CT RCP
Type III (Reduced non-CLP)
Type IV (CLP SOW)
Type VI (Raw Data Only)
TX TRRP-13

EDD Required? (Yes) No

Site-specific QC (MS/MSD/Dup)? (Yes) No
(if yes, indicate QC sample and submit triplicate sample volume)

| (9) Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|
| | 4/26/12 | 1630 | | | |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: Suzette Lehman | 4/27/12 | 10:05 |

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 717-656-2300
The white copy should accompany samples to Lancaster Laboratories. The yellow copy should be retained by the client.

Issued by Dept. 40 Management
7044.01

# Environmental Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 6556 Group # 1305085 Sample # 6631291-312 **COC # 305010**

Please print. Instructions on reverse side correspond with circled numbers.

**1**

Client: The Johnson Co Acct. #: 06556

Project Name/#: AD-GA PWSID #:

Project Manager: Glen Kirkpatrick P.O.#:

Sampler: Tristan Hardy / Ross Predom Quote #:

Name of state where samples were collected: GA

**For Lab Use Only**

FSC:

SCR#:

**Preservation Codes**

H=HCl T=Thiosulfate

N=$HNO_3$ B=NaOH

S=$H_2SO_4$ O=Other

**6** Temperature of samples upon receipt (if requested)

**Remarks**

Please use a PQL of 2ug/L for Vinyl Chloride

| **2** Sample Identification | Date Collected | Time Collected | **3** Grab | Composite | **4** Matrix: Soil | Sediment | Water: Ground | Surface | Potable | NPDES | Other: 1x6 DI H2O | Total # of Containers | **5** Analyses Requested / Preservation Codes: — | H | 8260 | 1,4 Dioxane by 150 Dil SIM | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Trip Blank 1 | 4/26/12 | — | X | | | | | | | | X | 4 | 2 | 2 | | | |
| SW-1 | ~~4/25~~ 4/26/12 TEH | 835 | X | | | | X | | | | | 18 | 9 | 9 | | | MS/MSD |
| SBW-1 | | 845 | X | | | | X | | | | | 6 | 3 | 3 | | | |
| SBW-2 | | 900 | X | | | | X | | | | | 6 | 3 | 3 | | | |
| SW-DUP | | 900 | X | | | | X | | | | | 6 | 3 | 3 | | | |
| SBW-5 | | 1005 | X | | | | X | | | | | 6 | 3 | 3 | | | |
| SBW-3 | | 915 | X | | | | X | | | | | 4 | 2 | 2 | | | |
| PR-7 | | 1252 | X | | | | X | | | | | 6 | 3 | 3 | | | |

**7** **Turnaround Time Requested** (TAT) (please circle): (Standard) Rush

(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)

Date results are needed:

Rush results requested by (please circle): Phone E-mail

Phone #: 802-229-4600

E-mail address: GAK@jcomail.com

**8** **Data Package Options** (please circle if required)

Type I (Validation/non-CLP) MA MCP CT RCP

Type III (Reduced non-CLP)

Type IV (CLP SOW)

Type VI (Raw Data Only)

TX TRRP-13

EDD Required? (Yes) No

Site-specific QC (MS/MSD/Dup)? (Yes) No

(if yes, indicate QC sample and submit triplicate sample volume)

**9**

| Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|
| | 4/26/12 | 1630 | | | |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: Suzanne Lehman | 4/27/12 | 10:05 |

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# Environmental Sample Administration
# Receipt Documentation Log

**Client/Project:** Johnson Co

**Date of Receipt:** 4/27/12

**Time of Receipt:** 10:05

**Source Code:** SO-1

**Shipping Container Sealed:** (YES) NO

**Custody Seal Present * :** ~~YES~~ NO

* Custody seal was intact unless otherwise ~~noted~~ in the discrepancy section

**Package:** (Chilled) Not Chilled

| Temperature of Shipping Containers | | | | | | | |
|---|---|---|---|---|---|---|---|
| Cooler # | Thermometer ID | Temperature (°C) | Temp Bottle (TB) or Surface Temp (ST) | Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP) | Ice Present? Y/N | Loose (L) Bagged Ice (B) or NA | Comments |
| 1 | 9422 | 1.2 | TB | WI | Y | B | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |

**Number of Trip Blanks received NOT listed on chain of custody:** 0

**Paperwork Discrepancy/Unpacking Problems:**

**Unpacker Signature/Emp#:** Suzette Lehman 1127 **Date/Time:** 4/27/12 11:15

Issued by Dept. 6042 Management

2174.06

eurofins | Lancaster Laboratories

# Environmental Sample Administration
# Receipt Documentation Log

**Client/Project:** JOHNSON CO

**Date of Receipt:** 4/27/12

**Time of Receipt:** 10:05

**Source Code:** SO-1

**Shipping Container Sealed:** (YES) NO

**Custody Seal Present * :** (YES) NO

* Custody seal was intact unless otherwise noted in the discrepancy section

**Package:** (Chilled) Not Chilled

| Temperature of Shipping Containers | | | | | | | |
|---|---|---|---|---|---|---|---|
| Cooler # | Thermometer ID | Temperature (°C) | Temp Bottle (TB) or Surface Temp (ST) | Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP) | Ice Present? Y/N | Loose (L) Bagged Ice (B) or NA | Comments |
| 1 | 9422 | 1.1 | TB | WI | Y | B | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |

**Number of Trip Blanks received NOT listed on chain of custody:** 0

**Paperwork Discrepancy/Unpacking Problems:**

@ kmz 4-27-12

Also received 6 VIALS each For (SW 2 @0925 → 3-38's 3-40's
SW 3 @1025 → 3-38's 3-40's
12 EXTRA TOTAL)

**Unpacker Signature/Emp#:** Suzette Lehman (167) **Date/Time:** 4/27/12 10:50

Issued by Dept. 6042 Management

2174.06

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# Explanation of Symbols and Abbreviations

*The following defines common symbols and abbreviations used in reporting technical data:*

| | | | |
|---|---|---|---|
| **RL** | Reporting Limit | **BMQL** | Below Minimum Quantitation Level |
| **N.D.** | none detected | **MPN** | Most Probable Number |
| **TNTC** | Too Numerous To Count | **CP Units** | cobalt-chloroplatinate units |
| **IU** | International Units | **NTU** | nephelometric turbidity units |
| **umhos/cm** | micromhos/cm | **ng** | nanogram(s) |
| **C** | degrees Celsius | **F** | degrees Fahrenheit |
| **meq** | milliequivalents | **lb.** | pound(s) |
| **g** | gram(s) | **kg** | kilogram(s) |
| **µg** | microgram(s) | **mg** | milligram(s) |
| **mL** | milliliter(s) | **L** | liter(s) |
| **m3** | cubic meter(s) | **µL** | microliter(s) |
| | | **pg/L** | picogram/liter |

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

*Data Qualifiers:*

**C –** result confirmed by reanalysis.

**J -** estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

*U.S. EPA CLP Data Qualifiers:*

| **Organic Qualifiers** | | **Inorganic Qualifiers** | |
|---|---|---|---|
| **A** | TIC is a possible aldol-condensation product | **B** | Value is <CRDL, but ≥IDL |
| **B** | Analyte was also detected in the blank | **E** | Estimated due to interference |
| **C** | Pesticide result confirmed by GC/MS | **M** | Duplicate injection precision not met |
| **D** | Compound quantitated on a diluted sample | **N** | Spike sample not within control limits |
| **E** | Concentration exceeds the calibration range of the instrument | **S** | Method of standard additions (MSA) used for calculation |
| **N** | Presumptive evidence of a compound (TICs only) | **U** | Compound was not detected |
| **P** | Concentration difference between primary and confirmation columns >25% | **W** | Post digestion spike out of control limits |
| **U** | Compound was not detected | ***** | Duplicate analysis not within control limits |
| **X,Y,Z** | Defined in case narrative | **+** | Correlation coefficient for MSA <0.995 |

**Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.**

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

# Fall 2012
# Laboratory Analysis Reports

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

October 24, 2012

Project: Avery Dennison / Flowery Branch, GA

Submittal Date: 10/19/2012
Group Number: 1343574
PO Number: 1-0145-4
State of Sample Origin: GA

| Client Sample Description | Lancaster Labs (LLI) # |
|---|---|
| Trip Blank 3 Water | 6830590 |
| SBW-3 Grab Water | 6830591 |
| SW-2 Grab Water | 6830592 |
| SBW-4 Grab Water | 6830593 |
| SBW-4 Matrix Spike Grab Water | 6830594 |
| SBW-4 Matrix Spk Dp Grab Water | 6830595 |
| SBW-DUP Grab Water | 6830596 |
| SBW-5 Grab Water | 6830597 |
| SW-4 Grab Water | 6830598 |
| SBW-6 Grab Water | 6830599 |
| SW-3 Grab Water | 6830600 |

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO The Johnson Company, Inc. Attn: Glen Kirkpatrick

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Respectfully Submitted,



Wendy A. Kozma
Principal Specialist Group Leader

(717) 556-7257

**Sample Description: Trip Blank 3 Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830590**
**LLI Group # 1343574**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012

Submitted: 10/19/2012 09:20
Reported: 10/24/2012 19:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

3-TB-

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: Trip Blank 3 Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830590**
**LLI Group # 1343574**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012

Submitted: 10/19/2012 09:20
Reported: 10/24/2012 19:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

3-TB-

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L122971AA | 10/23/2012 12:46 | Chelsea B Stong | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122962AA | 10/22/2012 22:47 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122962AA | 10/22/2012 22:47 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L122971AA | 10/23/2012 12:46 | Chelsea B Stong | 1 |

**Sample Description: SBW-3 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830591**
**LLI Group # 1343574**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 15:40 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/24/2012 19:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

3SBW-

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 22 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

eurofins | Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 •717-656-2300 Fax:717-656-2681• www.lancasterlabs.com

# Analysis Report

**Sample Description: SBW-3 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830591**
**LLI Group # 1343574**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 15:40 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/24/2012 19:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

3SBW-

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L122971AA | 10/23/2012 13:51 | Chelsea B Stong | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122962AA | 10/23/2012 01:46 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122962AA | 10/23/2012 01:46 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L122971AA | 10/23/2012 13:51 | Chelsea B Stong | 1 |

**Sample Description: SW-2 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830592**
**LLI Group # 1343574**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 16:00 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/24/2012 19:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

-2SW-

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 6 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: SW-2 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830592**
**LLI Group # 1343574**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 16:00 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/24/2012 19:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

-2SW-

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L122971AA | 10/23/2012 14:13 | Chelsea B Stong | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122962AA | 10/23/2012 02:06 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122962AA | 10/23/2012 02:06 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L122971AA | 10/23/2012 14:13 | Chelsea B Stong | 1 |

**Sample Description: SBW-4 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830593**
**LLI Group # 1343574**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 16:10 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/24/2012 19:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

4-SBW

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 62 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 170 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 49 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 17 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 4.1 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: SBW-4 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830593**
**LLI Group # 1343574**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 16:10 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/24/2012 19:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

4-SBW

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L122971AA | 10/23/2012 14:35 | Chelsea B Stong | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122971AA | 10/23/2012 13:45 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122971AA | 10/23/2012 13:45 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L122971AA | 10/23/2012 14:35 | Chelsea B Stong | 1 |

**Sample Description: SBW-4 Matrix Spike Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830594**
**LLI Group # 1343574**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 16:10 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/24/2012 19:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

4-SBW

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | 190 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | 21 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | 20 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | 18 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | 21 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | 160 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | 21 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | 23 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | 20 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 23 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | 21 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | 19 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | 20 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 78 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | 22 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 170 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | 20 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | 21 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | 20 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | 19 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | 18 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | 19 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | 100 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | 96 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | 20 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | 19 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 18 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | 22 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | 22 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 68 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | 19 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | 22 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 32 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | 57 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 8.2 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: SBW-4 Matrix Spike Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830594**
**LLI Group # 1343574**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 16:10 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/24/2012 19:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

4-SBW

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L122971AA | 10/23/2012 14:57 | Chelsea B Stong | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122971AA | 10/23/2012 14:05 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122971AA | 10/23/2012 14:05 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L122971AA | 10/23/2012 14:57 | Chelsea B Stong | 1 |

**Sample Description: SBW-4 Matrix Spk Dp Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830595**
**LLI Group # 1343574**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 16:10 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/24/2012 19:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

4-SBW

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | 190 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | 21 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | 20 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | 18 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | 21 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | 160 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | 21 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | 23 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | 20 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 23 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | 21 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | 20 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | 20 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 77 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | 22 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 160 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | 21 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | 22 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | 20 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | 19 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | 18 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | 20 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | 100 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | 97 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | 20 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | 19 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 18 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | 22 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | 21 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 65 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | 19 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | 22 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 31 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | 57 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 8.1 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: SBW-4 Matrix Spk Dp Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830595**
**LLI Group # 1343574**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 16:10 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/24/2012 19:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

4-SBW

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L122971AA | 10/23/2012 15:19 | Chelsea B Stong | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122971AA | 10/23/2012 14:24 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122971AA | 10/23/2012 14:24 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L122971AA | 10/23/2012 15:19 | Chelsea B Stong | 1 |

**Sample Description: SBW-DUP Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830596**
**LLI Group # 1343574**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 16:00 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/24/2012 19:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FDSBW

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 63 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 160 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 47 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 16 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 3.8 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report

**Sample Description: SBW-DUP Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830596**
**LLI Group # 1343574**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 16:00 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/24/2012 19:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FDSBW

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L122971AA | 10/23/2012 15:41 | Chelsea B Stong | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122962AA | 10/23/2012 04:04 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122962AA | 10/23/2012 04:04 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L122971AA | 10/23/2012 15:41 | Chelsea B Stong | 1 |

**Sample Description: SBW-5 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830597**
**LLI Group # 1343574**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 16:30 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/24/2012 19:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

5-SBW

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: SBW-5 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830597**
**LLI Group # 1343574**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 16:30 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/24/2012 19:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

5-SBW

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L122971AA | 10/23/2012 16:03 | Chelsea B Stong | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122962AA | 10/23/2012 02:25 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122962AA | 10/23/2012 02:25 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L122971AA | 10/23/2012 16:03 | Chelsea B Stong | 1 |

**Sample Description: SW-4 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830598**
**LLI Group # 1343574**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 17:10 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/24/2012 19:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

4-S-W

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: SW-4 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830598**
**LLI Group # 1343574**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 17:10 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/24/2012 19:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

4-S-W

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L122971AA | 10/23/2012 16:25 | Chelsea B Stong | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122962AA | 10/23/2012 02:45 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122962AA | 10/23/2012 02:45 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L122971AA | 10/23/2012 16:25 | Chelsea B Stong | 1 |

**Sample Description: SBW-6 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830599**
**LLI Group # 1343574**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 17:20 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/24/2012 19:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

6-SBW

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 78 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 40 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 15 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: SBW-6 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830599**
**LLI Group # 1343574**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 17:20 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/24/2012 19:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

6-SBW

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L122971AA | 10/23/2012 16:47 | Chelsea B Stong | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122962AA | 10/23/2012 03:05 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122962AA | 10/23/2012 03:05 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L122971AA | 10/23/2012 16:47 | Chelsea B Stong | 1 |

**Sample Description: SW-3 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830600**
**LLI Group # 1343574**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 16:45 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/24/2012 19:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

3-S-W

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 4 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: SW-3 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830600**
**LLI Group # 1343574**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 16:45 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/24/2012 19:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

3-S-W

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L122971AA | 10/23/2012 17:09 | Chelsea B Stong | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122962AA | 10/23/2012 03:24 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122962AA | 10/23/2012 03:24 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L122971AA | 10/23/2012 17:09 | Chelsea B Stong | 1 |

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1343574
Reported: 10/24/12 at 07:19 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

## Laboratory Compliance Quality Control

| Analysis Name | Blank Result | Blank LOQ | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: E122962AA | Sample number(s): 6830590-6830592,6830596-6830600 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 84 | | 80-123 | | |
| Batch number: E122971AA | Sample number(s): 6830593-6830595 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 82 | | 80-123 | | |
| Batch number: L122971AA | Sample number(s): 6830590-6830600 | | | | | | | |
| Acetone | < 20 | 20. | ug/l | 106 | | 49-234 | | |
| Benzene | < 5 | 5. | ug/l | 96 | | 77-121 | | |
| Bromodichloromethane | < 5 | 5. | ug/l | 94 | | 73-120 | | |
| Bromoform | < 5 | 5. | ug/l | 90 | | 61-120 | | |
| Bromomethane | < 5 | 5. | ug/l | 105 | | 44-120 | | |
| 2-Butanone | < 10 | 10. | ug/l | 94 | | 53-155 | | |
| Carbon Disulfide | < 5 | 5. | ug/l | 90 | | 62-125 | | |
| Carbon Tetrachloride | < 5 | 5. | ug/l | 100 | | 67-122 | | |
| Chlorobenzene | < 5 | 5. | ug/l | 90 | | 80-120 | | |
| Chloroethane | < 5 | 5. | ug/l | 100 | | 49-129 | | |
| Chloroform | < 5 | 5. | ug/l | 95 | | 77-122 | | |
| Chloromethane | < 5 | 5. | ug/l | 98 | | 60-129 | | |
| Dibromochloromethane | < 5 | 5. | ug/l | 94 | | 72-120 | | |
| 1,1-Dichloroethane | < 5 | 5. | ug/l | 94 | | 79-120 | | |
| 1,2-Dichloroethane | < 5 | 5. | ug/l | 100 | | 64-130 | | |
| 1,1-Dichloroethene | < 2 | 2. | ug/l | 105 | | 76-124 | | |
| cis-1,2-Dichloroethene | < 5 | 5. | ug/l | 93 | | 80-120 | | |
| trans-1,2-Dichloroethene | < 5 | 5. | ug/l | 92 | | 80-120 | | |
| 1,2-Dichloropropane | < 5 | 5. | ug/l | 91 | | 80-120 | | |
| cis-1,3-Dichloropropene | < 5 | 5. | ug/l | 93 | | 78-120 | | |
| trans-1,3-Dichloropropene | < 5 | 5. | ug/l | 83 | | 73-120 | | |
| Ethylbenzene | < 5 | 5. | ug/l | 87 | | 79-120 | | |
| 2-Hexanone | < 10 | 10. | ug/l | 93 | | 53-139 | | |
| 4-Methyl-2-pentanone | < 10 | 10. | ug/l | 92 | | 58-133 | | |
| Methylene Chloride | < 5 | 5. | ug/l | 92 | | 84-118 | | |
| Styrene | < 5 | 5. | ug/l | 89 | | 77-120 | | |
| 1,1,2,2-Tetrachloroethane | < 5 | 5. | ug/l | 87 | | 75-123 | | |
| Tetrachloroethene | < 5 | 5. | ug/l | 97 | | 79-120 | | |
| Toluene | < 5 | 5. | ug/l | 90 | | 79-120 | | |
| 1,1,1-Trichloroethane | < 5 | 5. | ug/l | 96 | | 66-126 | | |
| 1,1,2-Trichloroethane | < 5 | 5. | ug/l | 88 | | 80-120 | | |
| Trichloroethene | < 5 | 5. | ug/l | 95 | | 80-120 | | |
| Vinyl Chloride | < 2 | 2. | ug/l | 98 | | 56-123 | | |
| Xylene (Total) | < 5 | 5. | ug/l | 88 | | 77-120 | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1343574
Reported: 10/24/12 at 07:19 PM

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| Batch number: E122962AA | Sample number(s): 6830590-6830592,6830596-6830600 UNSPK: P830547 | | | | | | | | |
| 1,4-Dioxane | 79 | 75 | 73-138 | 3 | 30 | | | | |
| Batch number: E122971AA | Sample number(s): 6830593-6830595 UNSPK: 6830593 | | | | | | | | |
| 1,4-Dioxane | 82 | 80 | 73-138 | 1 | 30 | | | | |
| Batch number: L122971AA | Sample number(s): 6830590-6830600 UNSPK: 6830593 | | | | | | | | |
| Acetone | 127 | 127 | 33-159 | 1 | 30 | | | | |
| Benzene | 104 | 106 | 72-134 | 1 | 30 | | | | |
| Bromodichloromethane | 102 | 102 | 78-125 | 0 | 30 | | | | |
| Bromoform | 91 | 89 | 48-118 | 3 | 30 | | | | |
| Bromomethane | 103 | 106 | 47-129 | 3 | 30 | | | | |
| 2-Butanone | 103 | 104 | 57-138 | 0 | 30 | | | | |
| Carbon Disulfide | 105 | 106 | 67-135 | 1 | 30 | | | | |
| Carbon Tetrachloride | 116 | 113 | 72-135 | 2 | 30 | | | | |
| Chlorobenzene | 100 | 100 | 87-124 | 1 | 30 | | | | |
| Chloroethane | 94 | 95 | 51-145 | 1 | 30 | | | | |
| Chloroform | 105 | 105 | 81-134 | 0 | 30 | | | | |
| Chloromethane | 96 | 101 | 46-137 | 5 | 30 | | | | |
| Dibromochloromethane | 99 | 99 | 74-116 | 0 | 30 | | | | |
| 1,1-Dichloroethane | 84 | 74* | 84-129 | 2 | 30 | | | | |
| 1,2-Dichloroethane | 110 | 110 | 68-131 | 0 | 30 | | | | |
| 1,1-Dichloroethene | 2 (2) | -64 (2) | 85-142 | 8 | 30 | | | | |
| cis-1,2-Dichloroethene | 101 | 103 | 85-125 | 2 | 30 | | | | |
| trans-1,2-Dichloroethene | 104 | 108 | 87-126 | 3 | 30 | | | | |
| 1,2-Dichloropropane | 99 | 99 | 83-124 | 1 | 30 | | | | |
| cis-1,3-Dichloropropene | 95 | 97 | 70-116 | 3 | 30 | | | | |
| trans-1,3-Dichloropropene | 90 | 92 | 74-119 | 3 | 30 | | | | |
| Ethylbenzene | 97 | 98 | 71-134 | 1 | 30 | | | | |
| 2-Hexanone | 103 | 103 | 55-127 | 0 | 30 | | | | |
| 4-Methyl-2-pentanone | 96 | 97 | 63-123 | 1 | 30 | | | | |
| Methylene Chloride | 99 | 100 | 78-133 | 1 | 30 | | | | |
| Styrene | 95 | 95 | 78-125 | 0 | 30 | | | | |
| 1,1,2,2-Tetrachloroethane | 91 | 92 | 72-128 | 1 | 30 | | | | |
| Tetrachloroethene | 111 | 111 | 80-128 | 0 | 30 | | | | |
| Toluene | 104 | 103 | 80-125 | 1 | 30 | | | | |
| 1,1,1-Trichloroethane | 94 | 80 | 69-140 | 4 | 30 | | | | |
| 1,1,2-Trichloroethane | 96 | 95 | 77-124 | 0 | 30 | | | | |
| Trichloroethene | 111 | 110 | 88-133 | 0 | 30 | | | | |
| Vinyl Chloride | 73 | 70 | 66-133 | 2 | 30 | | | | |
| Xylene (Total) | 95 | 95 | 79-125 | 0 | 30 | | | | |

## Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1343574
Reported: 10/24/12 at 07:19 PM

## Surrogate Quality Control

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E122962AA

| | Toluene-d8 |
|---|---|
| 6830590 | 99 |
| 6830591 | 99 |
| 6830592 | 99 |
| 6830596 | 98 |
| 6830597 | 99 |
| 6830598 | 99 |
| 6830599 | 99 |
| 6830600 | 99 |
| Blank | 99 |
| LCS | 99 |
| MS | 98 |
| MSD | 99 |
| Limits: | 80-120 |

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E122971AA

| | Toluene-d8 |
|---|---|
| 6830593 | 98 |
| 6830594 | 100 |
| 6830595 | 101 |
| Blank | 100 |
| LCS | 99 |
| MS | 100 |
| MSD | 101 |
| Limits: | 80-120 |

Analysis Name: 8260 Std. Water Master
Batch number: L122971AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| 6830590 | 104 | 102 | 93 | 94 |
| 6830591 | 107 | 103 | 94 | 94 |
| 6830592 | 108 | 103 | 93 | 93 |
| 6830593 | 108 | 102 | 93 | 96 |
| 6830594 | 103 | 99 | 98 | 104 |
| 6830595 | 103 | 100 | 98 | 104 |
| 6830596 | 108 | 103 | 94 | 95 |
| 6830597 | 107 | 101 | 94 | 95 |
| 6830598 | 106 | 102 | 94 | 96 |
| 6830599 | 108 | 100 | 95 | 95 |
| 6830600 | 108 | 102 | 94 | 93 |
| Blank | 107 | 107 | 94 | 94 |
| LCS | 102 | 100 | 94 | 101 |
| MS | 103 | 99 | 98 | 104 |
| MSD | 103 | 100 | 98 | 104 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1343574
Reported: 10/24/12 at 07:19 PM

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Environmental Analysis Request/Chain of Custody

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Acct. # 65556 For Eurofins Lancaster Laboratories use only Group # 1343574 Sample # 6830590-600
Instructions on reverse side correspond with circled numbers.

**COC # 315051**

## 1 Client Information

| | |
|---|---|
| Client: The Johnson Co. | Acct. #: 06556 |
| Project Name/#: AD GA / 1-0145-4 | PWSID #: |
| Project Manager: Glen Kirkpatrick | P.O. #: 1-0145-4 |
| Sampler: TEH, JEP, RJP | Quote #: |

Name of state where samples were collected: GA

## 2 Sample Identification

| Sample Identification | Collected Date | Collected Time | 3 Grab | 3 Composite | 4 Matrix: Soil | Sediment | Water: Potable | Ground | NPDES | Surface | Other: | Total # of Containers | 5 Analysis Requested: 8260 | 1,4 Dioxane (SO SIM) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Trip Blank 3 | 10/17/12 | — | X | | | | | | | | X | 4 | 2 | 2 |
| SBW-3 | | 1540 | | | | | | X | | | | 6 | 3 | 3 |
| SW-2 | | 1600 | | | | | | X | | | | 6 | 3 | 3 |
| SBW-4 | | 1610 | | | | | | X | | | | 18 | 9 | 9 |
| SBW-DUP | | 1600 | | | | | | X | TEH | | X | 6 | 3 | 3 |
| SBW-5 | | 1630 | | | | | | | | | | 6 | 3 | 3 |
| SW-4 | | 1710 | | | | | | | | | | 6 | 3 | 3 |
| SBW-6 | | 1720 | | | | | | | | | | 6 | 3 | 3 |
| SW-3 | | 1645 | | | | | | | | | | 6 | 3 | 3 |

For Lab Use Only
FSC:
SCR#:

**Preservation Codes**
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

## 6 Remarks

Please use a PQL of 2 µg/L for Vinyl Chloride

## 7 Turnaround Time (TAT) Requested (please circle)

Standard Rush

(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)

Date results are needed:

E-mail address: GAK@jcomail.com

## 8 Data Package Options (circle if required)

Type I (Validation/non-CLP) Type VI (Raw Data Only)

Type III (Reduced non-CLP) TX TRRP-13

Type IV (CLP SOW) MA MCP CT RCP

| Relinquished by | Date | Time | Received by | Date | Time |
|---|---|---|---|---|---|
| | 10/18/12 | 1430 | | | |
| Relinquished by | Date | Time | Received by | Date | Time |
| Relinquished by | Date | Time | Received by | Date | Time |
| Relinquished by | Date | Time | Received by | Date | Time |
| Relinquished by | Date | Time | Received by | 10/19/12 | 920 |

## 9

EDD Required? (Yes) No
If yes, format: Excel

Site-Specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate sample volume.)

Relinquished by Commercial Carrier:
UPS FedEx Other

Temperature upon receipt 1.1 °C

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G-1343574

# Environmental Sample Administration
# Receipt Documentation Log

**Client/Project:** The Johnson CO

**Date of Receipt:** 10.19.12

**Time of Receipt:** 920

**Source Code:** 50.1

**Shipping Container Sealed:** (YES) NO

**Custody Seal Present * :** (YES) NO

* Custody seal was intact unless otherwise noted in the discrepancy section

**Package:** (Chilled) Not Chilled

| Temperature of Shipping Containers | | | | | | | |
|---|---|---|---|---|---|---|---|
| Cooler # | Thermometer ID | Temperature (°C) | Temp Bottle (TB) or Surface Temp (ST) | Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP) | Ice Present? Y/N | Loose (L) Bagged Ice (B) or NA | Comments |
| 1 | 9422 | 1.1 | TB | WI | Y | B | |
| 2 | ↓ | 1.0 | ↓ | ↓ | ↓ | ↓ | |
| 3 | ↓ | 1.4 | ↓ | ↓ | ↓ | ↓ | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |

**Number of Trip Blanks received NOT listed on chain of custody:** 0

**Paperwork Discrepancy/Unpacking Problems:**

**Unpacker Signature/Emp#:** [signature] 7299 **Date/Time:** 10-19-12 13:23

Issued by Dept. 6042 Management

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# Explanation of Symbols and Abbreviations

*The following defines common symbols and abbreviations used in reporting technical data:*

| | | | |
|---|---|---|---|
| **RL** | Reporting Limit | **BMQL** | Below Minimum Quantitation Level |
| **N.D.** | none detected | **MPN** | Most Probable Number |
| **TNTC** | Too Numerous To Count | **CP Units** | cobalt-chloroplatinate units |
| **IU** | International Units | **NTU** | nephelometric turbidity units |
| **umhos/cm** | micromhos/cm | **ng** | nanogram(s) |
| **C** | degrees Celsius | **F** | degrees Fahrenheit |
| **meq** | milliequivalents | **lb.** | pound(s) |
| **g** | gram(s) | **kg** | kilogram(s) |
| **µg** | microgram(s) | **mg** | milligram(s) |
| **mL** | milliliter(s) | **L** | liter(s) |
| **m3** | cubic meter(s) | **µL** | microliter(s) |
| | | **pg/L** | picogram/liter |

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**J** estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

*U.S. EPA CLP Data Qualifiers:*

**Organic Qualifiers**

| | |
|---|---|
| **A** | TIC is a possible aldol-condensation product |
| **B** | Analyte was also detected in the blank |
| **C** | Pesticide result confirmed by GC/MS |
| **D** | Compound quantitated on a diluted sample |
| **E** | Concentration exceeds the calibration range of the instrument |
| **N** | Presumptive evidence of a compound (TICs only) |
| **P** | Concentration difference between primary and confirmation columns >25% |
| **U** | Compound was not detected |
| **X,Y,Z** | Defined in case narrative |

**Inorganic Qualifiers**

| | |
|---|---|
| **B** | Value is <CRDL, but ≥IDL |
| **E** | Estimated due to interference |
| **M** | Duplicate injection precision not met |
| **N** | Spike sample not within control limits |
| **S** | Method of standard additions (MSA) used for calculation |
| **U** | Compound was not detected |
| **W** | Post digestion spike out of control limits |
| ***** | Duplicate analysis not within control limits |
| **+** | Correlation coefficient for MSA <0.995 |

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

October 27, 2012

Project: Avery Dennison / Flowery Branch, GA

Submittal Date: 10/19/2012
Group Number: 1343575
PO Number: 1-0145-4
State of Sample Origin: GA

| Client Sample Description | Lancaster Labs (LLI) # |
|---|---|
| Trip Blank 1 Water | 6830601 |
| SW-DS-5 Grab Water | 6830602 |
| SW-DS-2 Grab Water | 6830603 |
| SW-DS-1 Grab Water | 6830604 |
| SW-0 Grab Water | 6830605 |
| SW-1 Grab Water | 6830606 |
| SW-1 Matrix Spike Grab Water | 6830607 |
| SW-1 Matrix Spk Dp Grab Water | 6830608 |
| SW-DUP Grab Water | 6830609 |
| SBW-1 Grab Water | 6830610 |
| SBW-2 Grab Water | 6830611 |

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO The Johnson Company, Inc. Attn: Glen Kirkpatrick

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Respectfully Submitted,



Wendy A. Kozma
Principal Specialist Group Leader

(717) 556-7257

**Sample Description: Trip Blank 1 Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830601**
**LLI Group # 1343575**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012

Submitted: 10/19/2012 09:20
Reported: 10/27/2012 17:38

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

1-TB-

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report

**Sample Description: Trip Blank 1 Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830601**
**LLI Group # 1343575**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012

Submitted: 10/19/2012 09:20
Reported: 10/27/2012 17:38

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

1-TB-

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L122971AA | 10/23/2012 13:08 | Chelsea B Stong | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122962AA | 10/22/2012 23:06 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122962AA | 10/22/2012 23:06 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L122971AA | 10/23/2012 13:08 | Chelsea B Stong | 1 |

**Sample Description: SW-DS-5 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830602**
**LLI Group # 1343575**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 14:10 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/27/2012 17:38

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

DS5--

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report

**Sample Description: SW-DS-5 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830602**
**LLI Group # 1343575**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 14:10 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/27/2012 17:38

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

DS5--

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L122971AA | 10/23/2012 17:31 | Chelsea B Stong | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122962AA | 10/23/2012 03:44 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122962AA | 10/23/2012 03:44 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L122971AA | 10/23/2012 17:31 | Chelsea B Stong | 1 |

**Sample Description: SW-DS-2 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830603**
**LLI Group # 1343575**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 14:20 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/27/2012 17:38

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

DS2--

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 3 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report

**Sample Description: SW-DS-2 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830603**
**LLI Group # 1343575**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 14:20 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/27/2012 17:38

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

DS2--

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L122971AA | 10/23/2012 17:53 | Chelsea B Stong | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122971AA | 10/23/2012 15:04 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122971AA | 10/23/2012 15:04 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L122971AA | 10/23/2012 17:53 | Chelsea B Stong | 1 |

**Sample Description: SW-DS-1 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830604**
**LLI Group # 1343575**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 14:30 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/27/2012 17:38

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

DS1--

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 4 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: SW-DS-1 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830604**
**LLI Group # 1343575**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 14:30 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/27/2012 17:38

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

DS1--

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L122971AA | 10/23/2012 18:14 | Chelsea B Stong | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122971AA | 10/23/2012 15:24 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122971AA | 10/23/2012 15:24 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L122971AA | 10/23/2012 18:14 | Chelsea B Stong | 1 |

**Sample Description: SW-0 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830605**
**LLI Group # 1343575**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 14:35 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/27/2012 17:38

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Suite 600
100 State Street
Montpelier VT 05602

SW0--

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 5 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: SW-0 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830605**
**LLI Group # 1343575**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 14:35 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/27/2012 17:38

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SW0--

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L122971AA | 10/23/2012 18:36 | Chelsea B Stong | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122971AA | 10/23/2012 15:44 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122971AA | 10/23/2012 15:44 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L122971AA | 10/23/2012 18:36 | Chelsea B Stong | 1 |

**Sample Description: SW-1 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830606**
**LLI Group # 1343575**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 15:00 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/27/2012 17:38

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Suite 600
100 State Street
Montpelier VT 05602

SW1--

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 6 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: SW-1 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830606**
**LLI Group # 1343575**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 15:00 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/27/2012 17:38

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SW1--

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L122981BA | 10/24/2012 06:00 | Christopher G Torres | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122973AA | 10/23/2012 22:13 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122973AA | 10/23/2012 22:13 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L122981BA | 10/24/2012 06:00 | Christopher G Torres | 1 |

**Sample Description: SW-1 Matrix Spike Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830607**
**LLI Group # 1343575**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 15:00 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/27/2012 17:38

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SW1--

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | 220 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | 21 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | 21 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | 19 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | 20 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | 170 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | 22 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | 23 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | 20 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 20 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | 21 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | 18 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | 20 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 22 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | 21 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 30 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | 21 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | 22 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | 20 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | 20 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | 19 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | 20 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | 110 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | 97 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | 21 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | 19 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 19 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | 22 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | 21 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 24 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | 19 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | 22 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 19 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | 58 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 4.9 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: SW-1 Matrix Spike Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830607**
**LLI Group # 1343575**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 15:00 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/27/2012 17:38

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SW1--

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L122981BA | 10/24/2012 06:22 | Christopher G Torres | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122973AA | 10/23/2012 22:33 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122973AA | 10/23/2012 22:33 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L122981BA | 10/24/2012 06:22 | Christopher G Torres | 1 |

**Sample Description: SW-1 Matrix Spk Dp Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830608**
**LLI Group # 1343575**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 15:00 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/27/2012 17:38

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SW1--

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | 220 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | 21 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | 21 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | 19 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | 23 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | 170 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | 21 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | 23 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | 21 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 23 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | 21 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | 21 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | 21 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 22 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | 21 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 30 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | 21 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | 22 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | 20 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | 21 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | 19 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | 20 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | 110 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | 98 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | 20 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | 20 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 19 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | 22 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | 21 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 24 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | 20 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | 22 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 22 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | 60 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 4.9 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: SW-1 Matrix Spk Dp Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830608**
**LLI Group # 1343575**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 15:00 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/27/2012 17:38

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SW1--

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L122981BA | 10/24/2012 06:44 | Christopher G Torres | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122973AA | 10/23/2012 22:53 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122973AA | 10/23/2012 22:53 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L122981BA | 10/24/2012 06:44 | Christopher G Torres | 1 |

**Sample Description: SW-DUP Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830609**
**LLI Group # 1343575**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 14:45 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/27/2012 17:38

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SWFD-

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 7 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: SW-DUP Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830609**
**LLI Group # 1343575**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 14:45 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/27/2012 17:38

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SWFD-

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L122971AA | 10/23/2012 18:58 | Chelsea B Stong | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122971AA | 10/23/2012 16:03 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122971AA | 10/23/2012 16:03 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L122971AA | 10/23/2012 18:58 | Chelsea B Stong | 1 |

**Sample Description: SBW-1 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830610**
**LLI Group # 1343575**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 15:20 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/27/2012 17:38

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SBW1-

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: SBW-1 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830610**
**LLI Group # 1343575**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 15:20 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/27/2012 17:38

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SBW1-

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L122971AA | 10/23/2012 19:20 | Chelsea B Stong | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122971AA | 10/23/2012 16:23 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122971AA | 10/23/2012 16:23 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L122971AA | 10/23/2012 19:20 | Chelsea B Stong | 1 |

**Sample Description: SBW-2 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830611**
**LLI Group # 1343575**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 15:25 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/27/2012 17:38

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SBW2-

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: SBW-2 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830611**
**LLI Group # 1343575**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 15:25 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/27/2012 17:38

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SBW2-

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L122971AA | 10/23/2012 19:42 | Chelsea B Stong | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122971AA | 10/23/2012 16:43 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122971AA | 10/23/2012 16:43 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L122971AA | 10/23/2012 19:42 | Chelsea B Stong | 1 |

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1343575
Reported: 10/27/12 at 05:38 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

## Laboratory Compliance Quality Control

| Analysis Name | Blank Result | Blank LOQ | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: E122962AA | Sample number(s): 6830601-6830602 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 84 | | 80-123 | | |
| Batch number: E122971AA | Sample number(s): 6830603-6830605,6830609-6830611 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 82 | | 80-123 | | |
| Batch number: E122973AA | Sample number(s): 6830606-6830608 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 86 | | 80-123 | | |
| Batch number: L122971AA | Sample number(s): 6830601-6830605,6830609-6830611 | | | | | | | |
| Acetone | < 20 | 20. | ug/l | 106 | | 49-234 | | |
| Benzene | < 5 | 5. | ug/l | 96 | | 77-121 | | |
| Bromodichloromethane | < 5 | 5. | ug/l | 94 | | 73-120 | | |
| Bromoform | < 5 | 5. | ug/l | 90 | | 61-120 | | |
| Bromomethane | < 5 | 5. | ug/l | 105 | | 44-120 | | |
| 2-Butanone | < 10 | 10. | ug/l | 94 | | 53-155 | | |
| Carbon Disulfide | < 5 | 5. | ug/l | 90 | | 62-125 | | |
| Carbon Tetrachloride | < 5 | 5. | ug/l | 100 | | 67-122 | | |
| Chlorobenzene | < 5 | 5. | ug/l | 90 | | 80-120 | | |
| Chloroethane | < 5 | 5. | ug/l | 100 | | 49-129 | | |
| Chloroform | < 5 | 5. | ug/l | 95 | | 77-122 | | |
| Chloromethane | < 5 | 5. | ug/l | 98 | | 60-129 | | |
| Dibromochloromethane | < 5 | 5. | ug/l | 94 | | 72-120 | | |
| 1,1-Dichloroethane | < 5 | 5. | ug/l | 94 | | 79-120 | | |
| 1,2-Dichloroethane | < 5 | 5. | ug/l | 100 | | 64-130 | | |
| 1,1-Dichloroethene | < 2 | 2. | ug/l | 105 | | 76-124 | | |
| cis-1,2-Dichloroethene | < 5 | 5. | ug/l | 93 | | 80-120 | | |
| trans-1,2-Dichloroethene | < 5 | 5. | ug/l | 92 | | 80-120 | | |
| 1,2-Dichloropropane | < 5 | 5. | ug/l | 91 | | 80-120 | | |
| cis-1,3-Dichloropropene | < 5 | 5. | ug/l | 93 | | 78-120 | | |
| trans-1,3-Dichloropropene | < 5 | 5. | ug/l | 83 | | 73-120 | | |
| Ethylbenzene | < 5 | 5. | ug/l | 87 | | 79-120 | | |
| 2-Hexanone | < 10 | 10. | ug/l | 93 | | 53-139 | | |
| 4-Methyl-2-pentanone | < 10 | 10. | ug/l | 92 | | 58-133 | | |
| Methylene Chloride | < 5 | 5. | ug/l | 92 | | 84-118 | | |
| Styrene | < 5 | 5. | ug/l | 89 | | 77-120 | | |
| 1,1,2,2-Tetrachloroethane | < 5 | 5. | ug/l | 87 | | 75-123 | | |
| Tetrachloroethene | < 5 | 5. | ug/l | 97 | | 79-120 | | |
| Toluene | < 5 | 5. | ug/l | 90 | | 79-120 | | |
| 1,1,1-Trichloroethane | < 5 | 5. | ug/l | 96 | | 66-126 | | |
| 1,1,2-Trichloroethane | < 5 | 5. | ug/l | 88 | | 80-120 | | |
| Trichloroethene | < 5 | 5. | ug/l | 95 | | 80-120 | | |
| Vinyl Chloride | < 2 | 2. | ug/l | 98 | | 56-123 | | |
| Xylene (Total) | < 5 | 5. | ug/l | 88 | | 77-120 | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1343575
Reported: 10/27/12 at 05:38 PM

| Analysis Name | Blank Result | Blank LOQ | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: L122981BA | Sample number(s): 6830606-6830608 | | | | | | | |
| Acetone | < 20 | 20. | ug/l | 99 | 106 | 49-234 | 6 | 30 |
| Benzene | < 5 | 5. | ug/l | 93 | 95 | 77-121 | 3 | 30 |
| Bromodichloromethane | < 5 | 5. | ug/l | 94 | 94 | 73-120 | 0 | 30 |
| Bromoform | < 5 | 5. | ug/l | 85 | 87 | 61-120 | 2 | 30 |
| Bromomethane | < 5 | 5. | ug/l | 90 | 92 | 44-120 | 2 | 30 |
| 2-Butanone | < 10 | 10. | ug/l | 93 | 98 | 53-155 | 5 | 30 |
| Carbon Disulfide | < 5 | 5. | ug/l | 90 | 89 | 62-125 | 1 | 30 |
| Carbon Tetrachloride | < 5 | 5. | ug/l | 93 | 94 | 67-122 | 1 | 30 |
| Chlorobenzene | < 5 | 5. | ug/l | 91 | 91 | 80-120 | 0 | 30 |
| Chloroethane | < 5 | 5. | ug/l | 85 | 89 | 49-129 | 4 | 30 |
| Chloroform | < 5 | 5. | ug/l | 94 | 94 | 77-122 | 0 | 30 |
| Chloromethane | < 5 | 5. | ug/l | 76 | 78 | 60-129 | 3 | 30 |
| Dibromochloromethane | < 5 | 5. | ug/l | 92 | 95 | 72-120 | 3 | 30 |
| 1,1-Dichloroethane | < 5 | 5. | ug/l | 94 | 94 | 79-120 | 0 | 30 |
| 1,2-Dichloroethane | < 5 | 5. | ug/l | 98 | 99 | 64-130 | 1 | 30 |
| 1,1-Dichloroethene | < 2 | 2. | ug/l | 97 | 97 | 76-124 | 0 | 30 |
| cis-1,2-Dichloroethene | < 5 | 5. | ug/l | 93 | 92 | 80-120 | 1 | 30 |
| trans-1,2-Dichloroethene | < 5 | 5. | ug/l | 95 | 96 | 80-120 | 2 | 30 |
| 1,2-Dichloropropane | < 5 | 5. | ug/l | 90 | 89 | 80-120 | 1 | 30 |
| cis-1,3-Dichloropropene | < 5 | 5. | ug/l | 89 | 89 | 78-120 | 0 | 30 |
| trans-1,3-Dichloropropene | < 5 | 5. | ug/l | 83 | 85 | 73-120 | 2 | 30 |
| Ethylbenzene | < 5 | 5. | ug/l | 86 | 88 | 79-120 | 2 | 30 |
| 2-Hexanone | < 10 | 10. | ug/l | 95 | 97 | 53-139 | 2 | 30 |
| 4-Methyl-2-pentanone | < 10 | 10. | ug/l | 93 | 92 | 58-133 | 1 | 30 |
| Methylene Chloride | < 5 | 5. | ug/l | 93 | 92 | 84-118 | 1 | 30 |
| Styrene | < 5 | 5. | ug/l | 86 | 87 | 77-120 | 1 | 30 |
| 1,1,2,2-Tetrachloroethane | < 5 | 5. | ug/l | 91 | 91 | 75-123 | 1 | 30 |
| Tetrachloroethene | < 5 | 5. | ug/l | 93 | 94 | 79-120 | 1 | 30 |
| Toluene | < 5 | 5. | ug/l | 89 | 91 | 79-120 | 2 | 30 |
| 1,1,1-Trichloroethane | < 5 | 5. | ug/l | 95 | 93 | 66-126 | 2 | 30 |
| 1,1,2-Trichloroethane | < 5 | 5. | ug/l | 89 | 93 | 80-120 | 5 | 30 |
| Trichloroethene | < 5 | 5. | ug/l | 95 | 95 | 80-120 | 0 | 30 |
| Vinyl Chloride | < 2 | 2. | ug/l | 76 | 79 | 56-123 | 4 | 30 |
| Xylene (Total) | < 5 | 5. | ug/l | 84 | 86 | 77-120 | 1 | 30 |

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| Batch number: E122962AA | Sample number(s): 6830601-6830602 UNSPK: P830547 | | | | | | | | |
| 1,4-Dioxane | 79 | 75 | 73-138 | 3 | 30 | | | | |
| Batch number: E122971AA | Sample number(s): 6830603-6830605,6830609-6830611 UNSPK: P830593 | | | | | | | | |
| 1,4-Dioxane | 82 | 80 | 73-138 | 1 | 30 | | | | |
| Batch number: E122973AA | Sample number(s): 6830606-6830608 UNSPK: 6830606 | | | | | | | | |
| 1,4-Dioxane | 80 | 81 | 73-138 | 0 | 30 | | | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1343575
Reported: 10/27/12 at 05:38 PM

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| Batch number: L122971AA | Sample number(s): 6830601-6830605,6830609-6830611 UNSPK: P830593 | | | | | | | | |
| Acetone | 127 | 127 | 33-159 | 1 | 30 | | | | |
| Benzene | 104 | 106 | 72-134 | 1 | 30 | | | | |
| Bromodichloromethane | 102 | 102 | 78-125 | 0 | 30 | | | | |
| Bromoform | 91 | 89 | 48-118 | 3 | 30 | | | | |
| Bromomethane | 103 | 106 | 47-129 | 3 | 30 | | | | |
| 2-Butanone | 103 | 104 | 57-138 | 0 | 30 | | | | |
| Carbon Disulfide | 105 | 106 | 67-135 | 1 | 30 | | | | |
| Carbon Tetrachloride | 116 | 113 | 72-135 | 2 | 30 | | | | |
| Chlorobenzene | 100 | 100 | 87-124 | 1 | 30 | | | | |
| Chloroethane | 94 | 95 | 51-145 | 1 | 30 | | | | |
| Chloroform | 105 | 105 | 81-134 | 0 | 30 | | | | |
| Chloromethane | 96 | 101 | 46-137 | 5 | 30 | | | | |
| Dibromochloromethane | 99 | 99 | 74-116 | 0 | 30 | | | | |
| 1,1-Dichloroethane | 84 | 74* | 84-129 | 2 | 30 | | | | |
| 1,2-Dichloroethane | 110 | 110 | 68-131 | 0 | 30 | | | | |
| 1,1-Dichloroethene | 2 (2) | -64 (2) | 85-142 | 8 | 30 | | | | |
| cis-1,2-Dichloroethene | 101 | 103 | 85-125 | 2 | 30 | | | | |
| trans-1,2-Dichloroethene | 104 | 108 | 87-126 | 3 | 30 | | | | |
| 1,2-Dichloropropane | 99 | 99 | 83-124 | 1 | 30 | | | | |
| cis-1,3-Dichloropropene | 95 | 97 | 70-116 | 3 | 30 | | | | |
| trans-1,3-Dichloropropene | 90 | 92 | 74-119 | 3 | 30 | | | | |
| Ethylbenzene | 97 | 98 | 71-134 | 1 | 30 | | | | |
| 2-Hexanone | 103 | 103 | 55-127 | 0 | 30 | | | | |
| 4-Methyl-2-pentanone | 96 | 97 | 63-123 | 1 | 30 | | | | |
| Methylene Chloride | 99 | 100 | 78-133 | 1 | 30 | | | | |
| Styrene | 95 | 95 | 78-125 | 0 | 30 | | | | |
| 1,1,2,2-Tetrachloroethane | 91 | 92 | 72-128 | 1 | 30 | | | | |
| Tetrachloroethene | 111 | 111 | 80-128 | 0 | 30 | | | | |
| Toluene | 104 | 103 | 80-125 | 1 | 30 | | | | |
| 1,1,1-Trichloroethane | 94 | 80 | 69-140 | 4 | 30 | | | | |
| 1,1,2-Trichloroethane | 96 | 95 | 77-124 | 0 | 30 | | | | |
| Trichloroethene | 111 | 110 | 88-133 | 0 | 30 | | | | |
| Vinyl Chloride | 73 | 70 | 66-133 | 2 | 30 | | | | |
| Xylene (Total) | 95 | 95 | 79-125 | 0 | 30 | | | | |
| Batch number: L122981BA | Sample number(s): 6830606-6830608 UNSPK: 6830606 | | | | | | | | |
| Acetone | 149 | 149 | 33-159 | 0 | 30 | | | | |
| Benzene | 107 | 107 | 72-134 | 0 | 30 | | | | |
| Bromodichloromethane | 106 | 104 | 78-125 | 2 | 30 | | | | |
| Bromoform | 93 | 95 | 48-118 | 2 | 30 | | | | |
| Bromomethane | 101 | 113 | 47-129 | 11 | 30 | | | | |
| 2-Butanone | 114 | 117 | 57-138 | 3 | 30 | | | | |
| Carbon Disulfide | 108 | 107 | 67-135 | 1 | 30 | | | | |
| Carbon Tetrachloride | 114 | 115 | 72-135 | 1 | 30 | | | | |
| Chlorobenzene | 100 | 103 | 87-124 | 3 | 30 | | | | |
| Chloroethane | 102 | 113 | 51-145 | 10 | 30 | | | | |
| Chloroform | 103 | 105 | 81-134 | 1 | 30 | | | | |
| Chloromethane | 90 | 105 | 46-137 | 15 | 30 | | | | |
| Dibromochloromethane | 101 | 103 | 74-116 | 2 | 30 | | | | |
| 1,1-Dichloroethane | 107 | 107 | 84-129 | 0 | 30 | | | | |
| 1,2-Dichloroethane | 106 | 105 | 68-131 | 1 | 30 | | | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1343575
Reported: 10/27/12 at 05:38 PM

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 118 | 117 | 85-142 | 1 | 30 | | | | |
| cis-1,2-Dichloroethene | 106 | 106 | 85-125 | 0 | 30 | | | | |
| trans-1,2-Dichloroethene | 110 | 109 | 87-126 | 1 | 30 | | | | |
| 1,2-Dichloropropane | 101 | 102 | 83-124 | 0 | 30 | | | | |
| cis-1,3-Dichloropropene | 102 | 103 | 70-116 | 1 | 30 | | | | |
| trans-1,3-Dichloropropene | 93 | 97 | 74-119 | 5 | 30 | | | | |
| Ethylbenzene | 100 | 101 | 71-134 | 1 | 30 | | | | |
| 2-Hexanone | 107 | 112 | 55-127 | 4 | 30 | | | | |
| 4-Methyl-2-pentanone | 97 | 98 | 63-123 | 1 | 30 | | | | |
| Methylene Chloride | 103 | 101 | 78-133 | 2 | 30 | | | | |
| Styrene | 97 | 98 | 78-125 | 2 | 30 | | | | |
| 1,1,2,2-Tetrachloroethane | 97 | 95 | 72-128 | 2 | 30 | | | | |
| Tetrachloroethene | 112 | 110 | 80-128 | 1 | 30 | | | | |
| Toluene | 103 | 105 | 80-125 | 2 | 30 | | | | |
| 1,1,1-Trichloroethane | 109 | 108 | 69-140 | 1 | 30 | | | | |
| 1,1,2-Trichloroethane | 96 | 99 | 77-124 | 3 | 30 | | | | |
| Trichloroethene | 109 | 109 | 88-133 | 0 | 30 | | | | |
| Vinyl Chloride | 95 | 111 | 66-133 | 15 | 30 | | | | |
| Xylene (Total) | 97 | 100 | 79-125 | 3 | 30 | | | | |

## Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed
unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E122962AA

| | Toluene-d8 |
|---|---|
| 6830601 | 99 |
| 6830602 | 99 |
| Blank | 99 |
| LCS | 99 |
| MS | 98 |
| MSD | 99 |
| Limits: | 80-120 |

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E122971AA

| | Toluene-d8 |
|---|---|
| 6830603 | 99 |
| 6830604 | 100 |
| 6830605 | 99 |
| 6830609 | 99 |
| 6830610 | 99 |
| 6830611 | 99 |
| Blank | 100 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1343575
Reported: 10/27/12 at 05:38 PM

## Surrogate Quality Control

| | |
|---|---|
| LCS | 99 |
| MS | 100 |
| MSD | 101 |
| Limits: | 80-120 |

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E122973AA

| | Toluene-d8 |
|---|---|
| 6830606 | 99 |
| 6830607 | 99 |
| 6830608 | 97 |
| Blank | 99 |
| LCS | 99 |
| MS | 99 |
| MSD | 97 |
| Limits: | 80-120 |

Analysis Name: 8260 Std. Water Master
Batch number: L122971AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| 6830601 | 107 | 103 | 93 | 94 |
| 6830602 | 109 | 105 | 95 | 95 |
| 6830603 | 109 | 101 | 93 | 94 |
| 6830604 | 107 | 104 | 93 | 92 |
| 6830605 | 107 | 103 | 94 | 93 |
| 6830609 | 109 | 101 | 94 | 93 |
| 6830610 | 109 | 102 | 94 | 93 |
| 6830611 | 111 | 102 | 94 | 94 |
| Blank | 107 | 107 | 94 | 94 |
| LCS | 102 | 100 | 94 | 101 |
| MS | 103 | 99 | 98 | 104 |
| MSD | 103 | 100 | 98 | 104 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

Analysis Name: 8260 Std. Water Master
Batch number: L122981BA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| 6830606 | 105 | 104 | 94 | 93 |
| 6830607 | 101 | 99 | 97 | 102 |
| 6830608 | 99 | 96 | 98 | 101 |
| Blank | 106 | 103 | 93 | 95 |
| LCS | 102 | 99 | 99 | 103 |
| LCSD | 101 | 99 | 98 | 104 |
| MS | 101 | 99 | 97 | 102 |
| MSD | 99 | 96 | 98 | 101 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1343575
Reported: 10/27/12 at 05:38 PM

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Environmental Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

Acct. # 6556o For Eurofins Lancaster Laboratories use only Group # 1343575 Sample # 6830601-11
Instructions on reverse side correspond with circled numbers.

**COC # 315052**

## 1 Client Information

| | |
|---|---|
| Client: The Johnson Co. | Acct. #: 06556 |
| Project Name/#: AD-GA / 1-0145-4 | PWSID #: |
| Project Manager: Glen Kirkpatrick | P.O. #: 1-0145-4 |
| Sampler: TEH / JEP / RJP | Quote #: |

Name of state where samples were collected: GA

## 4 Matrix

Sediment ☐ Soil ☐ | Ground ☒ Potable ☐ Water | Surface ☒ NPDES ☐ | Other: Air H2O

## 5 Analysis Requested

Preservation Codes: 1 = H

| 2 Sample Identification | Collected Date | Collected Time | 3 Grab | 3 Composite | Total # of Containers | 8260 | 1-4 Dioxane isotope DL SIM | For Lab Use Only |
|---|---|---|---|---|---|---|---|---|
| Trip Blank 1 | 10/17/12 | — | X | | 4 | 2 | 2 | |
| SW-DS-5 | | 1410 | X | | 6 | 3 | 3 | |
| SW-DS-2 | | 1420 | X | | 6 | 3 | 3 | |
| SW-DS-1 | | 1430 | X | | 6 | 3 | 3 | |
| SW-0 | | 1435 | X | | 6 | 3 | 3 | |
| SW-1 | | 1500 | X | | 18 | 9 | 9 | MS/MSD |
| ~~B~~ SW-DUP | | 1445 | X | | 6 | 3 | 3 | |
| SBW-1 | | 1520 | X | | 6 | 3 | 3 | |
| SBW-2 | ↓ | 1525 | X | | 6 | 3 | 3 | |

FSC: _____
SCR#: _____

**Preservation Codes**
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

## 6 Remarks

Please use a PQL of 2µg/L for Vinyl Chloride

## 7 Turnaround Time (TAT) Requested (please circle)

(Standard) Rush

(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)

Date results are needed: —

E-mail address: GAK@jcomail.com

## 8 Data Package Options (circle if required)

Type I (Validation/non-CLP) Type VI (Raw Data Only)
Type III (Reduced non-CLP) TX TRRP-13
Type IV (CLP SOW) MA MCP CT RCP

| Relinquished by | Date | Time | Received by | Date | Time |
|---|---|---|---|---|---|
| | 10/18/12 | 1200 | | | |
| Relinquished by | Date | Time | Received by | Date | Time |
| Relinquished by | Date | Time | Received by | Date | Time |
| Relinquished by | Date | Time | Received by | Date | Time |
| Relinquished by | Date | Time | Received by | 10.19.12 | 910 |

## 9

EDD Required? (Yes) No
If yes, format: Excel

Site-Specific QC (MS/MSD/Dup)? (Yes) No
(If yes, indicate QC sample and submit triplicate sample volume.)

Relinquished by Commercial Carrier:
UPS _____ FedEx X Other _____

Temperature upon receipt 1.0 °C

eurofins | Lancaster Laboratories

G-1343575

# Environmental Sample Administration Receipt Documentation Log

**Client/Project:** The Johnson CO

**Date of Receipt:** 10·19·12

**Time of Receipt:** 920

**Source Code:** 50-1

**Shipping Container Sealed:** (YES) NO

**Custody Seal Present * :** (YES) NO

* Custody seal was intact unless otherwise noted in the discrepancy section

**Package:** (Chilled) Not Chilled

| Temperature of Shipping Containers | | | | | | | |
|---|---|---|---|---|---|---|---|
| Cooler # | Thermometer ID | Temperature (°C) | Temp Bottle (TB) or Surface Temp (ST) | Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP) | Ice Present? Y/N | Loose (L) Bagged Ice (B) or NA | Comments |
| 1 | 9422 | 1.1 | TB | WI | Y | B | |
| 2 | ↓ | 1.0 | ↓ | ↓ | ↓ | ↓ | |
| 3 | ↓ | 1.4 | ↓ | ↓ | ↓ | ↓ | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |

**Number of Trip Blanks received NOT listed on chain of custody:** 0

**Paperwork Discrepancy/Unpacking Problems:**

**Unpacker Signature/Emp#:** [signature] 7299 **Date/Time:** 10·19·12 13:23

Issued by Dept. 6042 Management

# Explanation of Symbols and Abbreviations

*The following defines common symbols and abbreviations used in reporting technical data:*

| | | | |
|---|---|---|---|
| **RL** | Reporting Limit | **BMQL** | Below Minimum Quantitation Level |
| **N.D.** | none detected | **MPN** | Most Probable Number |
| **TNTC** | Too Numerous To Count | **CP Units** | cobalt-chloroplatinate units |
| **IU** | International Units | **NTU** | nephelometric turbidity units |
| **umhos/cm** | micromhos/cm | **ng** | nanogram(s) |
| **C** | degrees Celsius | **F** | degrees Fahrenheit |
| **meq** | milliequivalents | **lb.** | pound(s) |
| **g** | gram(s) | **kg** | kilogram(s) |
| **µg** | microgram(s) | **mg** | milligram(s) |
| **mL** | milliliter(s) | **L** | liter(s) |
| **m3** | cubic meter(s) | **µL** | microliter(s) |
| | | **pg/L** | picogram/liter |

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**J** estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

*U.S. EPA CLP Data Qualifiers:*

**Organic Qualifiers**

| | |
|---|---|
| **A** | TIC is a possible aldol-condensation product |
| **B** | Analyte was also detected in the blank |
| **C** | Pesticide result confirmed by GC/MS |
| **D** | Compound quantitated on a diluted sample |
| **E** | Concentration exceeds the calibration range of the instrument |
| **N** | Presumptive evidence of a compound (TICs only) |
| **P** | Concentration difference between primary and confirmation columns >25% |
| **U** | Compound was not detected |
| **X,Y,Z** | Defined in case narrative |

**Inorganic Qualifiers**

| | |
|---|---|
| **B** | Value is <CRDL, but ≥IDL |
| **E** | Estimated due to interference |
| **M** | Duplicate injection precision not met |
| **N** | Spike sample not within control limits |
| **S** | Method of standard additions (MSA) used for calculation |
| **U** | Compound was not detected |
| **W** | Post digestion spike out of control limits |
| ***** | Duplicate analysis not within control limits |
| **+** | Correlation coefficient for MSA <0.995 |

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

October 31, 2012

Project: Avery Dennison / Flowery Branch, GA

Submittal Date: 10/19/2012
Group Number: 1343576
PO Number: 1-0145-4
State of Sample Origin: GA

| Client Sample Description | Lancaster Labs (LLI) # |
|---|---|
| Trip Blank 2 Water | 6830612 |
| SBW-7 Grab Water | 6830613 |
| SBW-8 Grab Water | 6830614 |
| SBW-9 Grab Water | 6830615 |
| SBW-10 Grab Water | 6830616 |
| SW-5 Grab Water | 6830617 |
| SW-6 Grab Water | 6830618 |
| BR-5 Grab Water | 6830619 |
| MW-51D Grab Water | 6830620 |
| MW-19-D Grab Water | 6830621 |
| MW-19-D Matrix Spike Grab Water | 6830622 |
| MW-19-D Matrix Spk Dp Grab Water | 6830623 |
| BR-20 Grab Water | 6830624 |

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO The Johnson Company, Inc. Attn: Glen Kirkpatrick

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 •717-656-2300 Fax:717-656-2681• www.lancasterlabs.com

Respectfully Submitted,



Wendy A. Kozma
Principal Specialist Group Leader

(717) 556-7257

**Sample Description: Trip Blank 2 Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830612**
**LLI Group # 1343576**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012

Submitted: 10/19/2012 09:20
Reported: 10/31/2012 09:28

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

3--TB

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: Trip Blank 2 Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830612**
**LLI Group # 1343576**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012

Submitted: 10/19/2012 09:20
Reported: 10/31/2012 09:28

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

3--TB

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L122971AA | 10/23/2012 13:29 | Chelsea B Stong | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122971AA | 10/23/2012 13:25 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122971AA | 10/23/2012 13:25 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L122971AA | 10/23/2012 13:29 | Chelsea B Stong | 1 |

**Sample Description: SBW-7 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830613**
**LLI Group # 1343576**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 17:15 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/31/2012 09:28

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SBW7-

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 7 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 2.7 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: SBW-7 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830613**
**LLI Group # 1343576**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 17:15 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/31/2012 09:28

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SBW7-

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L122971AA | 10/23/2012 20:04 | Chelsea B Stong | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122971AA | 10/23/2012 18:22 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122971AA | 10/23/2012 18:22 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L122971AA | 10/23/2012 20:04 | Chelsea B Stong | 1 |

**Sample Description: SBW-8 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830614**
**LLI Group # 1343576**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 18:05 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/31/2012 09:28

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SBW8-

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 3 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 3.6 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: SBW-8 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830614**
**LLI Group # 1343576**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 18:05 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/31/2012 09:28

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SBW8-

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L122971AA | 10/23/2012 20:26 | Chelsea B Stong | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122971AA | 10/23/2012 19:01 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122971AA | 10/23/2012 19:01 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L122971AA | 10/23/2012 20:26 | Chelsea B Stong | 1 |

**Sample Description: SBW-9 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830615**
**LLI Group # 1343576**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 17:45 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/31/2012 09:28

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SBW-9

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 41 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 490 | 20 | 10 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 220 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 160 | 40 | 20 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: SBW-9 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830615**
**LLI Group # 1343576**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 17:45 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/31/2012 09:28

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SBW-9

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L122981AA | 10/24/2012 07:06 | Christopher G Torres | 1 |
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L122981AA | 10/24/2012 11:08 | Christopher G Torres | 10 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122971AA | 10/23/2012 19:41 | Jason M Long | 20 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122971AA | 10/23/2012 19:41 | Jason M Long | 20 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L122981AA | 10/24/2012 07:06 | Christopher G Torres | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 3 | L122981AA | 10/24/2012 11:08 | Christopher G Torres | 10 |

**Sample Description: SBW-10 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830616**
**LLI Group # 1343576**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 18:20 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/31/2012 09:28

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SBW10

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 6 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: SBW-10 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830616**
**LLI Group # 1343576**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 18:20 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/31/2012 09:28

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SBW10

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L122981AA | 10/24/2012 11:30 | Christopher G Torres | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122971AA | 10/23/2012 17:03 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122971AA | 10/23/2012 17:03 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L122981AA | 10/24/2012 11:30 | Christopher G Torres | 1 |

**Sample Description: SW-5 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830617**
**LLI Group # 1343576**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 18:00 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/31/2012 09:28

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SW5--

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: SW-5 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830617**
**LLI Group # 1343576**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 18:00 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/31/2012 09:28

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SW5--

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L122981AA | 10/24/2012 07:50 | Christopher G Torres | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122971AA | 10/23/2012 17:23 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122971AA | 10/23/2012 17:23 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L122981AA | 10/24/2012 07:50 | Christopher G Torres | 1 |

**Sample Description: SW-6 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830618**
**LLI Group # 1343576**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 18:35 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/31/2012 09:28

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SW6--

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: SW-6 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830618**
**LLI Group # 1343576**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/17/2012 18:35 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/31/2012 09:28

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SW6--

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L122981AA | 10/24/2012 08:12 | Christopher G Torres | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122971AA | 10/23/2012 17:42 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122971AA | 10/23/2012 17:42 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L122981AA | 10/24/2012 08:12 | Christopher G Torres | 1 |

**Sample Description: BR-5 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830619**
**LLI Group # 1343576**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/18/2012 11:05 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/31/2012 09:28

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

BR5--

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

The recovery for the sample internal standard is outside the QC acceptance limits. The following corrective action was taken: The sample was re-analyzed and the QC is again outside of the acceptance limits, indicating a matrix effect. The data is reported from the initial trial.

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Sample Description: BR-5 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830619**
**LLI Group # 1343576**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/18/2012 11:05 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/31/2012 09:28

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

BR5--

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L122981AA | 10/24/2012 08:34 | Christopher G Torres | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122971AA | 10/23/2012 18:02 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122971AA | 10/23/2012 18:02 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L122981AA | 10/24/2012 08:34 | Christopher G Torres | 1 |

**Sample Description: MW-51D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830620**
**LLI Group # 1343576**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/18/2012 10:27 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/31/2012 09:28

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

M51D-

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 21 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 270 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 79 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 3.9 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-51D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830620**
**LLI Group # 1343576**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/18/2012 10:27 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/31/2012 09:28

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

M51D-

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L122981AA | 10/24/2012 04:11 | Christopher G Torres | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122971AA | 10/23/2012 18:42 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122971AA | 10/23/2012 18:42 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L122981AA | 10/24/2012 04:11 | Christopher G Torres | 1 |

**Sample Description: MW-19-D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830621**
**LLI Group # 1343576**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/18/2012 12:25 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/31/2012 09:28

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

M19D-

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 28 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 200 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 2.4 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-19-D Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830621**
**LLI Group # 1343576**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/18/2012 12:25 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/31/2012 09:28

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

M19D-

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L122981AA | 10/24/2012 04:33 | Christopher G Torres | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122981AA | 10/24/2012 10:39 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | L122981AA | 10/24/2012 04:33 | Christopher G Torres | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E122981AA | 10/24/2012 10:39 | Jason M Long | 1 |

**Sample Description: MW-19-D Matrix Spike Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830622**
**LLI Group # 1343576**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/18/2012 12:25 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/31/2012 09:28

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

M19D-

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | 230 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | 17 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | 17 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | 15 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | 17 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | 160 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | 17 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | 18 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | 17 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 17 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | 17 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | 14 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | 16 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 51 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | 18 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 260 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | 17 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | 17 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | 16 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | 16 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | 15 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | 16 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | 95 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | 78 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | 16 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | 15 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 15 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | 18 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | 16 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 20 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | 16 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | 18 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 15 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | 46 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 7.3 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-19-D Matrix Spike Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830622**
**LLI Group # 1343576**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/18/2012 12:25 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/31/2012 09:28

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

M19D-

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L122981AA | 10/24/2012 04:54 | Christopher G Torres | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122981AA | 10/24/2012 10:59 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | L122981AA | 10/24/2012 04:54 | Christopher G Torres | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E122981AA | 10/24/2012 10:59 | Jason M Long | 1 |

**Sample Description: MW-19-D Matrix Spk Dp Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830623**
**LLI Group # 1343576**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/18/2012 12:25 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/31/2012 09:28

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

M19D-

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | 270 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | 20 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | 19 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | 17 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | 13 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | 190 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | 20 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | 21 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | 19 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 13 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | 19 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | 12 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | 19 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 83 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | 20 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 480 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | 20 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | 20 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | 19 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | 19 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | 17 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | 18 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | 110 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | 92 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | 19 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | 18 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 18 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | 22 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | 19 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 24 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | 18 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | 21 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 13 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | 55 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 6.7 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-19-D Matrix Spk Dp Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830623**
**LLI Group # 1343576**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/18/2012 12:25 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/31/2012 09:28

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

M19D-

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L122981AA | 10/24/2012 05:16 | Christopher G Torres | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122981AA | 10/24/2012 11:19 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | L122981AA | 10/24/2012 05:16 | Christopher G Torres | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E122981AA | 10/24/2012 11:19 | Jason M Long | 1 |

**Sample Description: BR-20 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830624**
**LLI Group # 1343576**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/18/2012 13:22 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/31/2012 09:28

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

BR20-

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 110 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 690 | 20 | 10 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 20 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 8.9 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: BR-20 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6830624**
**LLI Group # 1343576**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/18/2012 13:22 by TEH

Submitted: 10/19/2012 09:20
Reported: 10/31/2012 09:28

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

BR20-

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L122981AA | 10/24/2012 05:38 | Christopher G Torres | 1 |
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L122981AA | 10/24/2012 10:46 | Christopher G Torres | 10 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122981AA | 10/24/2012 11:39 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | L122981AA | 10/24/2012 05:38 | Christopher G Torres | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L122981AA | 10/24/2012 10:46 | Christopher G Torres | 10 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 3 | E122981AA | 10/24/2012 11:39 | Jason M Long | 1 |

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1343576
Reported: 10/31/12 at 09:28 AM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

## Laboratory Compliance Quality Control

| Analysis Name | Blank Result | Blank LOQ | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: E122971AA | Sample number(s): 6830612-6830620 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 82 | | 80-123 | | |
| Batch number: E122981AA | Sample number(s): 6830621-6830624 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 82 | | 80-123 | | |
| Batch number: L122971AA | Sample number(s): 6830612-6830614 | | | | | | | |
| Acetone | < 20 | 20. | ug/l | 106 | | 49-234 | | |
| Benzene | < 5 | 5. | ug/l | 96 | | 77-121 | | |
| Bromodichloromethane | < 5 | 5. | ug/l | 94 | | 73-120 | | |
| Bromoform | < 5 | 5. | ug/l | 90 | | 61-120 | | |
| Bromomethane | < 5 | 5. | ug/l | 105 | | 44-120 | | |
| 2-Butanone | < 10 | 10. | ug/l | 94 | | 53-155 | | |
| Carbon Disulfide | < 5 | 5. | ug/l | 90 | | 62-125 | | |
| Carbon Tetrachloride | < 5 | 5. | ug/l | 100 | | 67-122 | | |
| Chlorobenzene | < 5 | 5. | ug/l | 90 | | 80-120 | | |
| Chloroethane | < 5 | 5. | ug/l | 100 | | 49-129 | | |
| Chloroform | < 5 | 5. | ug/l | 95 | | 77-122 | | |
| Chloromethane | < 5 | 5. | ug/l | 98 | | 60-129 | | |
| Dibromochloromethane | < 5 | 5. | ug/l | 94 | | 72-120 | | |
| 1,1-Dichloroethane | < 5 | 5. | ug/l | 94 | | 79-120 | | |
| 1,2-Dichloroethane | < 5 | 5. | ug/l | 100 | | 64-130 | | |
| 1,1-Dichloroethene | < 2 | 2. | ug/l | 105 | | 76-124 | | |
| cis-1,2-Dichloroethene | < 5 | 5. | ug/l | 93 | | 80-120 | | |
| trans-1,2-Dichloroethene | < 5 | 5. | ug/l | 92 | | 80-120 | | |
| 1,2-Dichloropropane | < 5 | 5. | ug/l | 91 | | 80-120 | | |
| cis-1,3-Dichloropropene | < 5 | 5. | ug/l | 93 | | 78-120 | | |
| trans-1,3-Dichloropropene | < 5 | 5. | ug/l | 83 | | 73-120 | | |
| Ethylbenzene | < 5 | 5. | ug/l | 87 | | 79-120 | | |
| 2-Hexanone | < 10 | 10. | ug/l | 93 | | 53-139 | | |
| 4-Methyl-2-pentanone | < 10 | 10. | ug/l | 92 | | 58-133 | | |
| Methylene Chloride | < 5 | 5. | ug/l | 92 | | 84-118 | | |
| Styrene | < 5 | 5. | ug/l | 89 | | 77-120 | | |
| 1,1,2,2-Tetrachloroethane | < 5 | 5. | ug/l | 87 | | 75-123 | | |
| Tetrachloroethene | < 5 | 5. | ug/l | 97 | | 79-120 | | |
| Toluene | < 5 | 5. | ug/l | 90 | | 79-120 | | |
| 1,1,1-Trichloroethane | < 5 | 5. | ug/l | 96 | | 66-126 | | |
| 1,1,2-Trichloroethane | < 5 | 5. | ug/l | 88 | | 80-120 | | |
| Trichloroethene | < 5 | 5. | ug/l | 95 | | 80-120 | | |
| Vinyl Chloride | < 2 | 2. | ug/l | 98 | | 56-123 | | |
| Xylene (Total) | < 5 | 5. | ug/l | 88 | | 77-120 | | |
| Batch number: L122981AA | Sample number(s): 6830615-6830624 | | | | | | | |
| Acetone | < 20 | 20. | ug/l | 99 | 106 | 49-234 | 6 | 30 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1343576
Reported: 10/31/12 at 09:28 AM

| Analysis Name | Blank Result | Blank LOQ | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Benzene | < 5 | 5. | ug/l | 93 | 95 | 77-121 | 3 | 30 |
| Bromodichloromethane | < 5 | 5. | ug/l | 94 | 94 | 73-120 | 0 | 30 |
| Bromoform | < 5 | 5. | ug/l | 85 | 87 | 61-120 | 2 | 30 |
| Bromomethane | < 5 | 5. | ug/l | 90 | 92 | 44-120 | 2 | 30 |
| 2-Butanone | < 10 | 10. | ug/l | 93 | 98 | 53-155 | 5 | 30 |
| Carbon Disulfide | < 5 | 5. | ug/l | 90 | 89 | 62-125 | 1 | 30 |
| Carbon Tetrachloride | < 5 | 5. | ug/l | 93 | 94 | 67-122 | 1 | 30 |
| Chlorobenzene | < 5 | 5. | ug/l | 91 | 91 | 80-120 | 0 | 30 |
| Chloroethane | < 5 | 5. | ug/l | 85 | 89 | 49-129 | 4 | 30 |
| Chloroform | < 5 | 5. | ug/l | 94 | 94 | 77-122 | 0 | 30 |
| Chloromethane | < 5 | 5. | ug/l | 76 | 78 | 60-129 | 3 | 30 |
| Dibromochloromethane | < 5 | 5. | ug/l | 92 | 95 | 72-120 | 3 | 30 |
| 1,1-Dichloroethane | < 5 | 5. | ug/l | 94 | 94 | 79-120 | 0 | 30 |
| 1,2-Dichloroethane | < 5 | 5. | ug/l | 98 | 99 | 64-130 | 1 | 30 |
| 1,1-Dichloroethene | < 2 | 2. | ug/l | 97 | 97 | 76-124 | 0 | 30 |
| cis-1,2-Dichloroethene | < 5 | 5. | ug/l | 93 | 92 | 80-120 | 1 | 30 |
| trans-1,2-Dichloroethene | < 5 | 5. | ug/l | 95 | 96 | 80-120 | 2 | 30 |
| 1,2-Dichloropropane | < 5 | 5. | ug/l | 90 | 89 | 80-120 | 1 | 30 |
| cis-1,3-Dichloropropene | < 5 | 5. | ug/l | 89 | 89 | 78-120 | 0 | 30 |
| trans-1,3-Dichloropropene | < 5 | 5. | ug/l | 83 | 85 | 73-120 | 2 | 30 |
| Ethylbenzene | < 5 | 5. | ug/l | 86 | 88 | 79-120 | 2 | 30 |
| 2-Hexanone | < 10 | 10. | ug/l | 95 | 97 | 53-139 | 2 | 30 |
| 4-Methyl-2-pentanone | < 10 | 10. | ug/l | 93 | 92 | 58-133 | 1 | 30 |
| Methylene Chloride | < 5 | 5. | ug/l | 93 | 92 | 84-118 | 1 | 30 |
| Styrene | < 5 | 5. | ug/l | 86 | 87 | 77-120 | 1 | 30 |
| 1,1,2,2-Tetrachloroethane | < 5 | 5. | ug/l | 91 | 91 | 75-123 | 1 | 30 |
| Tetrachloroethene | < 5 | 5. | ug/l | 93 | 94 | 79-120 | 1 | 30 |
| Toluene | < 5 | 5. | ug/l | 89 | 91 | 79-120 | 2 | 30 |
| 1,1,1-Trichloroethane | < 5 | 5. | ug/l | 95 | 93 | 66-126 | 2 | 30 |
| 1,1,2-Trichloroethane | < 5 | 5. | ug/l | 89 | 93 | 80-120 | 5 | 30 |
| Trichloroethene | < 5 | 5. | ug/l | 95 | 95 | 80-120 | 0 | 30 |
| Vinyl Chloride | < 2 | 2. | ug/l | 76 | 79 | 56-123 | 4 | 30 |
| Xylene (Total) | < 5 | 5. | ug/l | 84 | 86 | 77-120 | 1 | 30 |

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| Batch number: E122971AA | Sample number(s): 6830612-6830620 UNSPK: P830593 | | | | | | | | |
| 1,4-Dioxane | 82 | 80 | 73-138 | 1 | 30 | | | | |
| Batch number: E122981AA | Sample number(s): 6830621-6830624 UNSPK: 6830621 | | | | | | | | |
| 1,4-Dioxane | 99 | 86 | 73-138 | 9 | 30 | | | | |
| Batch number: L122971AA | Sample number(s): 6830612-6830614 UNSPK: P830593 | | | | | | | | |
| Acetone | 127 | 127 | 33-159 | 1 | 30 | | | | |
| Benzene | 104 | 106 | 72-134 | 1 | 30 | | | | |
| Bromodichloromethane | 102 | 102 | 78-125 | 0 | 30 | | | | |
| Bromoform | 91 | 89 | 48-118 | 3 | 30 | | | | |
| Bromomethane | 103 | 106 | 47-129 | 3 | 30 | | | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1343576
Reported: 10/31/12 at 09:28 AM

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| 2-Butanone | 103 | 104 | 57-138 | 0 | 30 | | | | |
| Carbon Disulfide | 105 | 106 | 67-135 | 1 | 30 | | | | |
| Carbon Tetrachloride | 116 | 113 | 72-135 | 2 | 30 | | | | |
| Chlorobenzene | 100 | 100 | 87-124 | 1 | 30 | | | | |
| Chloroethane | 94 | 95 | 51-145 | 1 | 30 | | | | |
| Chloroform | 105 | 105 | 81-134 | 0 | 30 | | | | |
| Chloromethane | 96 | 101 | 46-137 | 5 | 30 | | | | |
| Dibromochloromethane | 99 | 99 | 74-116 | 0 | 30 | | | | |
| 1,1-Dichloroethane | 84 | 74* | 84-129 | 2 | 30 | | | | |
| 1,2-Dichloroethane | 110 | 110 | 68-131 | 0 | 30 | | | | |
| 1,1-Dichloroethene | 2 (2) | -64 (2) | 85-142 | 8 | 30 | | | | |
| cis-1,2-Dichloroethene | 101 | 103 | 85-125 | 2 | 30 | | | | |
| trans-1,2-Dichloroethene | 104 | 108 | 87-126 | 3 | 30 | | | | |
| 1,2-Dichloropropane | 99 | 99 | 83-124 | 1 | 30 | | | | |
| cis-1,3-Dichloropropene | 95 | 97 | 70-116 | 3 | 30 | | | | |
| trans-1,3-Dichloropropene | 90 | 92 | 74-119 | 3 | 30 | | | | |
| Ethylbenzene | 97 | 98 | 71-134 | 1 | 30 | | | | |
| 2-Hexanone | 103 | 103 | 55-127 | 0 | 30 | | | | |
| 4-Methyl-2-pentanone | 96 | 97 | 63-123 | 1 | 30 | | | | |
| Methylene Chloride | 99 | 100 | 78-133 | 1 | 30 | | | | |
| Styrene | 95 | 95 | 78-125 | 0 | 30 | | | | |
| 1,1,2,2-Tetrachloroethane | 91 | 92 | 72-128 | 1 | 30 | | | | |
| Tetrachloroethene | 111 | 111 | 80-128 | 0 | 30 | | | | |
| Toluene | 104 | 103 | 80-125 | 1 | 30 | | | | |
| 1,1,1-Trichloroethane | 94 | 80 | 69-140 | 4 | 30 | | | | |
| 1,1,2-Trichloroethane | 96 | 95 | 77-124 | 0 | 30 | | | | |
| Trichloroethene | 111 | 110 | 88-133 | 0 | 30 | | | | |
| Vinyl Chloride | 73 | 70 | 66-133 | 2 | 30 | | | | |
| Xylene (Total) | 95 | 95 | 79-125 | 0 | 30 | | | | |
| | | | | | | | | | |
| Batch number: L122981AA | Sample number(s): 6830615-6830624 UNSPK: 6830621 | | | | | | | | |
| Acetone | 153 | 181* | 33-159 | 17 | 30 | | | | |
| Benzene | 87 | 100 | 72-134 | 13 | 30 | | | | |
| Bromodichloromethane | 84 | 96 | 78-125 | 14 | 30 | | | | |
| Bromoform | 73 | 86 | 48-118 | 16 | 30 | | | | |
| Bromomethane | 83 | 67 | 47-129 | 22 | 30 | | | | |
| 2-Butanone | 104 | 124 | 57-138 | 18 | 30 | | | | |
| Carbon Disulfide | 85 | 100 | 67-135 | 17 | 30 | | | | |
| Carbon Tetrachloride | 90 | 105 | 72-135 | 15 | 30 | | | | |
| Chlorobenzene | 83* | 95 | 87-124 | 13 | 30 | | | | |
| Chloroethane | 84 | 66 | 51-145 | 24 | 30 | | | | |
| Chloroform | 85 | 96 | 81-134 | 13 | 30 | | | | |
| Chloromethane | 72 | 61 | 46-137 | 17 | 30 | | | | |
| Dibromochloromethane | 82 | 96 | 74-116 | 15 | 30 | | | | |
| 1,1-Dichloroethane | 118 | 275* | 84-129 | 47* | 30 | | | | |
| 1,2-Dichloroethane | 89 | 102 | 68-131 | 14 | 30 | | | | |
| 1,1-Dichloroethene | 278 (2) | 1384 (2) | 85-142 | 60* | 30 | | | | |
| cis-1,2-Dichloroethene | 85 | 99 | 85-125 | 15 | 30 | | | | |
| trans-1,2-Dichloroethene | 86* | 102 | 87-126 | 17 | 30 | | | | |
| 1,2-Dichloropropane | 80* | 93 | 83-124 | 15 | 30 | | | | |
| cis-1,3-Dichloropropene | 79 | 93 | 70-116 | 17 | 30 | | | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1343576
Reported: 10/31/12 at 09:28 AM

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| trans-1,3-Dichloropropene | 73* | 87 | 74-119 | 18 | 30 | | | | |
| Ethylbenzene | 78 | 92 | 71-134 | 17 | 30 | | | | |
| 2-Hexanone | 95 | 113 | 55-127 | 18 | 30 | | | | |
| 4-Methyl-2-pentanone | 78 | 92 | 63-123 | 17 | 30 | | | | |
| Methylene Chloride | 82 | 95 | 78-133 | 14 | 30 | | | | |
| Styrene | 77* | 90 | 78-125 | 16 | 30 | | | | |
| 1,1,2,2-Tetrachloroethane | 75 | 89 | 72-128 | 16 | 30 | | | | |
| Tetrachloroethene | 90 | 109 | 80-128 | 18 | 30 | | | | |
| Toluene | 81 | 95 | 80-125 | 15 | 30 | | | | |
| 1,1,1-Trichloroethane | 100 | 122 | 69-140 | 20 | 30 | | | | |
| 1,1,2-Trichloroethane | 78 | 89 | 77-124 | 13 | 30 | | | | |
| Trichloroethene | 92 | 106 | 88-133 | 14 | 30 | | | | |
| Vinyl Chloride | 75 | 67 | 66-133 | 11 | 30 | | | | |
| Xylene (Total) | 77* | 91 | 79-125 | 17 | 30 | | | | |

## Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed
unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E122971AA

| | Toluene-d8 |
|---|---|
| 6830612 | 100 |
| 6830613 | 99 |
| 6830614 | 101 |
| 6830615 | 99 |
| 6830616 | 98 |
| 6830617 | 99 |
| 6830618 | 100 |
| 6830619 | 104 |
| 6830620 | 98 |
| Blank | 100 |
| LCS | 99 |
| MS | 100 |
| MSD | 101 |
| Limits: | 80-120 |

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E122981AA

| | Toluene-d8 |
|---|---|
| 6830621 | 99 |
| 6830622 | 99 |
| 6830623 | 99 |
| 6830624 | 99 |
| Blank | 100 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1343576
Reported: 10/31/12 at 09:28 AM

## Surrogate Quality Control

| | |
|---|---|
| LCS | 99 |
| MS | 99 |
| MSD | 99 |
| Limits: | 80-120 |

Analysis Name: 8260 Std. Water Master
Batch number: L122971AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| 6830612 | 105 | 104 | 95 | 96 |
| 6830613 | 108 | 100 | 94 | 94 |
| 6830614 | 109 | 107 | 94 | 95 |
| Blank | 107 | 107 | 94 | 94 |
| LCS | 102 | 100 | 94 | 101 |
| MS | 103 | 99 | 98 | 104 |
| MSD | 103 | 100 | 98 | 104 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

Analysis Name: 8260 Std. Water Master
Batch number: L122981AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| 6830615 | 106 | 102 | 95 | 94 |
| 6830616 | 107 | 100 | 93 | 93 |
| 6830617 | 104 | 103 | 94 | 93 |
| 6830618 | 105 | 102 | 95 | 93 |
| 6830619 | 107 | 103 | 95 | 94 |
| 6830620 | 106 | 103 | 95 | 97 |
| 6830621 | 106 | 105 | 95 | 93 |
| 6830622 | 100 | 98 | 98 | 103 |
| 6830623 | 100 | 98 | 98 | 101 |
| 6830624 | 104 | 103 | 95 | 95 |
| Blank | 106 | 103 | 93 | 95 |
| LCS | 102 | 99 | 99 | 103 |
| LCSD | 101 | 99 | 98 | 104 |
| MS | 100 | 98 | 98 | 103 |
| MSD | 100 | 98 | 98 | 101 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Environmental Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

Acct. # 65556 For Eurofins Lancaster Laboratories use only Group # 1343576 Sample # 6830612-24
Instructions on reverse side correspond with circled numbers.

**COC # 315055**

## 1 Client Information

| | |
|---|---|
| Client: The Johnson Co. | Acct. #: 06556 |
| Project Name/#: AD-GA / 1-0145-4 | PWSID #: |
| Project Manager: Glen Kirkpatrick | P.O. #: 1-0145-4 |
| Sampler: TEH, JEP, RJP | Quote #: |

Name of state where samples were collected: GA

## 2 Sample Identification

## 3 Collected

## 4 Matrix

## 5 Analysis Requested

Preservation Codes: — / H

| Sample Identification | Date Collected | Time Collected | 3 Grab | 3 Composite | 4 Matrix: Soil | Sediment | Water: Ground | Water: Potable | Water: NPDES | Water: Surface | Other: DI H2O | Total # of Containers | 8260 (—) | 1,4-Dioxane Isotope Dil SIM (H) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Trip Blank 3 | 10/17/12 | — | X | | | | | | | | X | 4 | 2 | 2 |
| SBW-7 | | 1715 | X | | | | X | | | | | 4 | 2 | 2 |
| SBW-8 | | 1805 | X | | | | X | | | | | 6 | 3 | 3 |
| SBW-9 | | 1745 | X | | | | X | | | | | 6 | 3 | 3 |
| SBW-10 | | 1820 | X | | | | X | | | | | 6 | 3 | 3 |
| SW-5 | | 1800 | X | | | | X | | | | | 6 | 3 | 3 |
| SW-6 | | 1835 | X | | | | X | | | | | 6 | 3 | 3 |
| BR-5 | 10-18-12 | 1105 | X | | | | X | | | | | 6 | 3 | 3 |
| MW-5D | 10/18/12 | 1027 | X | | | | X | | | | | 6 | 3 | 3 |
| MW-19-D | 10.18.12 | 1225 | X | | | | X | | | | | 18 | 9 | 9 |

For Lab Use Only
FSC:
SCR#:

**Preservation Codes**
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

## 6 Remarks

Please use a PQL of 2 µg/L for Vinyl chloride

MS/MSD

## 7 Turnaround Time (TAT) Requested (please circle)

Standard Rush

(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)

Date results are needed: —

E-mail address: GAK@jcomail.com

## 8 Data Package Options (circle if required)

Type I (Validation/non-CLP) Type VI (Raw Data Only)
Type III (Reduced non-CLP) TX TRRP-13
Type IV (CLP SOW) MA MCP CT RCP

## 9

| Relinquished by | Date | Time | Received by | Date | Time |
|---|---|---|---|---|---|
| | 10/19/12 | 1430 | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

EDD Required? (Yes) No
If yes, format: Excel

Site-Specific QC (MS/MSD/Dup)? (Yes) No
(If yes, indicate QC sample and submit triplicate sample volume.)

Relinquished by Commercial Carrier:
UPS ____ FedEx X Other ____

Temperature upon receipt 1.4 °C

# Environmental Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

For Eurofins Lancaster Laboratories use only
Acct. # 6556 Group # 1343576 Sample # 6830612-24
Instructions on reverse side correspond with circled numbers.

**COC # 315053**

**1 Client Information**

| | |
|---|---|
| Client: The Johnson Co. | Acct. #: |
| Project Name/#: AD-GA / 1-0145-4 | PWSID #: |
| Project Manager: Glen Kirkpatrick | P.O. #: 1-0145-4 |
| Sampler: TEH | Quote #: |

Name of state where samples were collected: GA

**4 Matrix**: Sediment ☐ Soil ☐ | Ground ☒ Potable ☐ Water | Surface ☐ NPDES ☐ | Other: ☐

**5 Analysis Requested** — Preservation Codes: — H

| 2 Sample Identification | Collected Date | Collected Time | 3 Grab | 3 Composite | Total # of Containers | 8260 (H) | 1,4-Dioxane Iso SIM (H) |
|---|---|---|---|---|---|---|---|
| BR-20 | 10/18/10 | 1322 | X | | 6 | 3 | 3 |

**For Lab Use Only**
FSC:
SCR#:

**Preservation Codes**
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

**6 Remarks**
Please use a PQL of 2ug/L for Vinyl Chloride

**7 Turnaround Time (TAT) Requested** (please circle)
Standard Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)

Date results are needed: —

E-mail address: GAK@jcomail.com

**8 Data Package Options** (circle if required)
Type I (Validation/non-CLP) Type VI (Raw Data Only)
Type III (Reduced non-CLP) TX TRRP-13
Type IV (CLP SOW) MA MCP CT RCP

| Relinquished by | Date | Time | Received by | Date | Time |
|---|---|---|---|---|---|
| | 10/18/12 | 1430 | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

**9**

EDD Required? Yes No
If yes, format: Excel

Site-Specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate sample volume.)

Relinquished by Commercial Carrier:
UPS ____ FedEx X Other ____

Temperature upon receipt 1.4 °C

eurofins | Lancaster Laboratories

G-1343576

# Environmental Sample Administration Receipt Documentation Log

Client/Project: The Johnson Co

Date of Receipt: 10-19-12

Time of Receipt: 920

Source Code: 50-1

Shipping Container Sealed: (YES) NO

Custody Seal Present * : (YES) NO

* Custody seal was intact unless otherwise noted in the discrepancy section

Package: (Chilled) Not Chilled

| Temperature of Shipping Containers | | | | | | | |
|---|---|---|---|---|---|---|---|
| Cooler # | Thermometer ID | Temperature (°C) | Temp Bottle (TB) or Surface Temp (ST) | Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP) | Ice Present? Y/N | Loose (L) Bagged Ice (B) or NA | Comments |
| 1 | 9422 | 1.1 | TB | WI | Y | B | |
| 2 | ↓ | 1.0 | ↓ | ↓ | ↓ | ↓ | |
| 3 | ↓ | 1.4 | ↓ | ↓ | ↓ | ↓ | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |

Number of Trip Blanks received NOT listed on chain of custody: 0

Paperwork Discrepancy/Unpacking Problems:

Unpacker Signature/Emp#: [signature] 7299 Date/Time: 10-19-12 13:23

Issued by Dept. 6042 Management

2174.06

# Explanation of Symbols and Abbreviations

*The following defines common symbols and abbreviations used in reporting technical data:*

| | | | |
|---|---|---|---|
| **RL** | Reporting Limit | **BMQL** | Below Minimum Quantitation Level |
| **N.D.** | none detected | **MPN** | Most Probable Number |
| **TNTC** | Too Numerous To Count | **CP Units** | cobalt-chloroplatinate units |
| **IU** | International Units | **NTU** | nephelometric turbidity units |
| **umhos/cm** | micromhos/cm | **ng** | nanogram(s) |
| **C** | degrees Celsius | **F** | degrees Fahrenheit |
| **meq** | milliequivalents | **lb.** | pound(s) |
| **g** | gram(s) | **kg** | kilogram(s) |
| **µg** | microgram(s) | **mg** | milligram(s) |
| **mL** | milliliter(s) | **L** | liter(s) |
| **m3** | cubic meter(s) | **µL** | microliter(s) |
| | | **pg/L** | picogram/liter |

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**J** estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

*U.S. EPA CLP Data Qualifiers:*

**Organic Qualifiers**

| | |
|---|---|
| **A** | TIC is a possible aldol-condensation product |
| **B** | Analyte was also detected in the blank |
| **C** | Pesticide result confirmed by GC/MS |
| **D** | Compound quantitated on a diluted sample |
| **E** | Concentration exceeds the calibration range of the instrument |
| **N** | Presumptive evidence of a compound (TICs only) |
| **P** | Concentration difference between primary and confirmation columns >25% |
| **U** | Compound was not detected |
| **X,Y,Z** | Defined in case narrative |

**Inorganic Qualifiers**

| | |
|---|---|
| **B** | Value is <CRDL, but ≥IDL |
| **E** | Estimated due to interference |
| **M** | Duplicate injection precision not met |
| **N** | Spike sample not within control limits |
| **S** | Method of standard additions (MSA) used for calculation |
| **U** | Compound was not detected |
| **W** | Post digestion spike out of control limits |
| ***** | Duplicate analysis not within control limits |
| **+** | Correlation coefficient for MSA <0.995 |

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

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ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

October 31, 2012

Project: AD-GA/1-0145-4

Submittal Date: 10/20/2012
Group Number: 1343718
PO Number: 1-0145-04
State of Sample Origin: GA

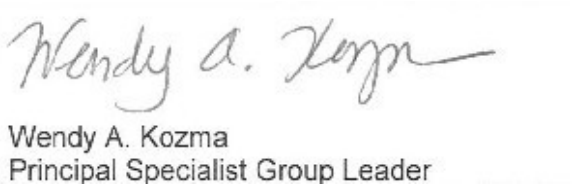
| Client Sample Description | Lancaster Labs (LLI) # |
|---|---|
| TB-RJP101812 Water | 6831328 |
| MW-19S Grab Groundwater | 6831329 |
| MW-52D Grab Groundwater | 6831330 |
| MW-20S Grab Groundwater | 6831331 |
| MW-27D Grab Groundwater | 6831332 |
| MW-27S Grab Groundwater | 6831333 |
| BR-8S Grab Groundwater | 6831334 |
| BR-8D Grab Groundwater | 6831335 |
| MW-47D Grab Groundwater | 6831336 |
| MW-47S Grab Groundwater | 6831337 |
| MW-6 Grab Groundwater | 6831338 |
| MW-7 Grab Groundwater | 6831339 |
| MW-45S Grab Groundwater | 6831340 |
| Trip Blank Water | 6831341 |
| MW-60D Grab Groundwater | 6831342 |
| MW-18S Grab Groundwater | 6831343 |
| MW-18D Grab Groundwater | 6831344 |
| MW-50D Grab Groundwater | 6831345 |
| MW-46I Grab Groundwater | 6831346 |
| BR-17 Grab Groundwater | 6831347 |
| BR-17MS Grab Groundwater | 6831348 |
| BR-17MSD Grab Groundwater | 6831349 |
| MW-48D Grab Groundwater | 6831350 |
| MW-48S Grab Groundwater | 6831351 |
| DP-2 Grab Groundwater | 6831352 |
| BR-24 Grab Groundwater | 6831353 |
| MW-23 Grab Groundwater | 6831354 |

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

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ELECTRONIC COPY TO The Johnson Company, Inc. Attn: Glen Kirkpatrick

Respectfully Submitted,



Wendy A. Kozma
Principal Specialist Group Leader

(717) 556-7257

**Sample Description: TB-RJP101812 Water**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831328**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/18/2012

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

TBRJP

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report

**Sample Description: TB-RJP101812 Water**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831328**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/18/2012

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

TBRJP

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y122972AA | 10/23/2012 20:30 | Sarah A Guill | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122971AA | 10/23/2012 14:44 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122971AA | 10/23/2012 14:44 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | Y122972AA | 10/23/2012 20:30 | Sarah A Guill | 1 |

**Sample Description: MW-19S Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831329**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/18/2012 14:15 by RP

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GA-19

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-19S Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831329**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/18/2012 14:15 by RP

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

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Suite 600
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Montpelier VT 05602

GA-19

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y122972AA | 10/23/2012 20:51 | Sarah A Guill | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122973AA | 10/23/2012 23:33 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y122972AA | 10/23/2012 20:51 | Sarah A Guill | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E122973AA | 10/23/2012 23:33 | Sara E Johnson | 1 |

**Sample Description: MW-52D Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831330**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/18/2012 15:40 by RP

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

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Montpelier VT 05602

GA-52

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 4 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-52D Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831330**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/18/2012 15:40 by RP

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GA-52

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y122972AA | 10/23/2012 21:12 | Sarah A Guill | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122973AA | 10/23/2012 23:52 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y122972AA | 10/23/2012 21:12 | Sarah A Guill | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E122973AA | 10/23/2012 23:52 | Sara E Johnson | 1 |

**Sample Description: MW-20S Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831331**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/18/2012 17:20 by RP

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

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Montpelier VT 05602

GA-20

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-20S Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831331**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/18/2012 17:20 by RP

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GA-20

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y122972AA | 10/23/2012 21:34 | Sarah A Guill | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122973AA | 10/24/2012 00:12 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y122972AA | 10/23/2012 21:34 | Sarah A Guill | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E122973AA | 10/24/2012 00:12 | Sara E Johnson | 1 |

**Sample Description: MW-27D Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831332**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/19/2012 11:10 by RP

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GA-27

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 11 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 91 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-27D Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831332**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/19/2012 11:10 by RP

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GA-27

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y122972AA | 10/23/2012 21:54 | Sarah A Guill | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122973AA | 10/24/2012 00:31 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y122972AA | 10/23/2012 21:54 | Sarah A Guill | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E122973AA | 10/24/2012 00:31 | Sara E Johnson | 1 |

**Sample Description: MW-27S Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831333**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/19/2012 12:40 by RP

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GA-2S

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 20 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 130 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-27S Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831333**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/19/2012 12:40 by RP

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GA-2S

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y122972AA | 10/23/2012 22:15 | Sarah A Guill | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122973AA | 10/24/2012 00:51 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y122972AA | 10/23/2012 22:15 | Sarah A Guill | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E122973AA | 10/24/2012 00:51 | Sara E Johnson | 1 |

**Sample Description: BR-8S Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831334**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/19/2012 14:45 by RP

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GA-8S

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: BR-8S Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831334**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/19/2012 14:45 by RP

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GA-8S

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y122972AA | 10/23/2012 22:36 | Sarah A Guill | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122973AA | 10/24/2012 01:11 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y122972AA | 10/23/2012 22:36 | Sarah A Guill | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E122973AA | 10/24/2012 01:11 | Sara E Johnson | 1 |

**Sample Description: BR-8D Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831335**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/19/2012 14:55 by RP

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GA-8D

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: BR-8D Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831335**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/19/2012 14:55 by RP

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GA-8D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y122972AA | 10/23/2012 22:57 | Sarah A Guill | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122973AA | 10/24/2012 01:31 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y122972AA | 10/23/2012 22:57 | Sarah A Guill | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E122973AA | 10/24/2012 01:31 | Sara E Johnson | 1 |

**Sample Description: MW-47D Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831336**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/19/2012 09:20 by JP

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GA-47

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-47D Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831336**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/19/2012 09:20 by JP

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GA-47

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y122972AA | 10/23/2012 23:17 | Sarah A Guill | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122973AA | 10/24/2012 01:51 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y122972AA | 10/23/2012 23:17 | Sarah A Guill | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E122973AA | 10/24/2012 01:51 | Sara E Johnson | 1 |

**Sample Description: MW-47S Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831337**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/19/2012 10:45 by JP

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GA47S

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 12 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 61 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | 6 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 14 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 22 | 10 | 5 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-47S Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831337**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/19/2012 10:45 by JP

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GA47S

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y122972AA | 10/23/2012 23:38 | Sarah A Guill | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122973AA | 10/24/2012 04:49 | Sara E Johnson | 5 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y122972AA | 10/23/2012 23:38 | Sarah A Guill | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E122973AA | 10/24/2012 04:49 | Sara E Johnson | 5 |

**Sample Description: MW-6 Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831338**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/19/2012 12:40 by JP

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GA-06

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 9.8 | 4.0 | 2 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-6 Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831338**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/19/2012 12:40 by JP

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GA-06

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y122972AA | 10/24/2012 00:02 | Sarah A Guill | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122973AA | 10/24/2012 04:29 | Sara E Johnson | 2 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y122972AA | 10/24/2012 00:02 | Sarah A Guill | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E122973AA | 10/24/2012 04:29 | Sara E Johnson | 2 |

**Sample Description: MW-7 Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831339**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/19/2012 15:25 by JP

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GA-07

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 2.5 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-7 Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831339**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/19/2012 15:25 by JP

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GA-07

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y122972AA | 10/24/2012 00:23 | Sarah A Guill | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122973AA | 10/24/2012 02:31 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y122972AA | 10/24/2012 00:23 | Sarah A Guill | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E122973AA | 10/24/2012 02:31 | Sara E Johnson | 1 |

**Sample Description: MW-45S Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831340**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/19/2012 14:10 by JP

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GA-45

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 7.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-45S Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831340**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/19/2012 14:10 by JP

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GA-45

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y122972AA | 10/24/2012 00:44 | Sarah A Guill | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122973AA | 10/24/2012 04:09 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y122972AA | 10/24/2012 00:44 | Sarah A Guill | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E122973AA | 10/24/2012 04:09 | Sara E Johnson | 1 |

**Sample Description: Trip Blank Water**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831341**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/18/2012

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GA-TB

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: Trip Blank Water**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831341**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/18/2012

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GA-TB

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y122972AA | 10/24/2012 01:04 | Sarah A Guill | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122973AA | 10/23/2012 23:13 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122973AA | 10/23/2012 23:13 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | Y122972AA | 10/24/2012 01:04 | Sarah A Guill | 1 |

**Sample Description: MW-60D Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831342**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/18/2012 17:12 by TEH

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GA-60

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 79 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 730 | 50 | 10 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 300 | 50 | 10 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 6.8 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-60D Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831342**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/18/2012 17:12 by TEH

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GA-60

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y122972AA | 10/24/2012 01:25 | Sarah A Guill | 1 |
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y122981AA | 10/24/2012 18:03 | Angela D Sneeringer | 10 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122973AA | 10/24/2012 03:49 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y122972AA | 10/24/2012 01:25 | Sarah A Guill | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E122973AA | 10/24/2012 03:49 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 3 | Y122981AA | 10/24/2012 18:03 | Angela D Sneeringer | 10 |

**Sample Description: MW-18S Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831343**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/18/2012 09:05 by TEH

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GA-18

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-18S Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831343**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/18/2012 09:05 by TEH

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GA-18

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y122972AA | 10/24/2012 01:46 | Sarah A Guill | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122973AA | 10/24/2012 02:11 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y122972AA | 10/24/2012 01:46 | Sarah A Guill | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E122973AA | 10/24/2012 02:11 | Sara E Johnson | 1 |

**Sample Description: MW-18D Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831344**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/18/2012 10:37 by TEH

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GA18D

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 21 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 270 | 50 | 10 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 85 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 2.9 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-18D Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831344**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/18/2012 10:37 by TEH

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GA18D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y122972AA | 10/24/2012 02:06 | Sarah A Guill | 1 |
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y122981AA | 10/24/2012 18:23 | Angela D Sneeringer | 10 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122973AA | 10/24/2012 03:30 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y122972AA | 10/24/2012 02:06 | Sarah A Guill | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E122973AA | 10/24/2012 03:30 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 3 | Y122981AA | 10/24/2012 18:23 | Angela D Sneeringer | 10 |

**Sample Description: MW-50D Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831345**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/18/2012 12:27 by TEH

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GA-50

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 9 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 40 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 12 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-50D Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831345**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/18/2012 12:27 by TEH

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GA-50

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y122972AA | 10/24/2012 02:27 | Sarah A Guill | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122973AA | 10/24/2012 02:51 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y122972AA | 10/24/2012 02:27 | Sarah A Guill | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E122973AA | 10/24/2012 02:51 | Sara E Johnson | 1 |

**Sample Description: MW-46I Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831346**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/18/2012 14:07 by TEH

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GA-46

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 2.1 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-46I Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831346**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/18/2012 14:07 by TEH

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GA-46

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y122972AA | 10/24/2012 02:48 | Sarah A Guill | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122973AA | 10/24/2012 03:10 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y122972AA | 10/24/2012 02:48 | Sarah A Guill | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E122973AA | 10/24/2012 03:10 | Sara E Johnson | 1 |

**Sample Description: BR-17 Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831347**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/18/2012 14:57 by TEH

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

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Suite 600
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Montpelier VT 05602

GA-17

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: BR-17 Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831347**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/18/2012 14:57 by TEH

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

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Suite 600
100 State Street
Montpelier VT 05602

GA-17

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y122972AA | 10/24/2012 03:08 | Sarah A Guill | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122991AA | 10/25/2012 10:26 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y122972AA | 10/24/2012 03:08 | Sarah A Guill | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E122991AA | 10/25/2012 10:26 | Jason M Long | 1 |

**Sample Description: BR-17MS Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831348**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/18/2012 14:57 by TEH

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

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GA-17

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | 170 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | 25 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | 22 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | 17 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | 20 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | 160 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | 24 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | 25 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | 24 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 22 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | 23 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | 27 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | 21 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 26 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | 25 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 28 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | 25 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | 25 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | 24 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | 23 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | 21 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | 24 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | 100 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | 110 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | 25 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | 23 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 21 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | 24 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | 24 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 25 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | 22 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | 25 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 24 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | 71 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 4.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report

**Sample Description: BR-17MS Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831348**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/18/2012 14:57 by TEH

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

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Suite 600
100 State Street
Montpelier VT 05602

GA-17

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y122972AA | 10/24/2012 03:29 | Sarah A Guill | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122991AA | 10/25/2012 10:45 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y122972AA | 10/24/2012 03:29 | Sarah A Guill | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E122991AA | 10/25/2012 10:45 | Jason M Long | 1 |

**Sample Description: BR-17MSD Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831349**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/18/2012 14:57 by TEH

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

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| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | 170 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | 25 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | 22 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | 17 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | 20 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | 170 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | 23 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | 25 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | 23 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 22 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | 23 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | 26 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | 21 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 25 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | 24 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 27 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | 24 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | 25 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | 24 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | 23 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | 21 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | 24 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | 110 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | 110 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | 24 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | 22 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 21 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | 24 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | 24 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 24 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | 22 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | 25 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 23 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | 70 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 4.1 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: BR-17MSD Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831349**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/18/2012 14:57 by TEH

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

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GA-17

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y122972AA | 10/24/2012 03:49 | Sarah A Guill | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122991AA | 10/25/2012 11:05 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y122972AA | 10/24/2012 03:49 | Sarah A Guill | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E122991AA | 10/25/2012 11:05 | Jason M Long | 1 |

**Sample Description: MW-48D Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831350**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/18/2012 10:20 by JP

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

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Suite 600
100 State Street
Montpelier VT 05602

GA-48

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 71 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 970 | 20 | 10 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 380 | 50 | 10 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 270 | 100 | 50 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-48D Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831350**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/18/2012 10:20 by JP

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

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Montpelier VT 05602

GA-48

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L122981AA | 10/24/2012 08:56 | Christopher G Torres | 1 |
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L122981AA | 10/24/2012 11:52 | Christopher G Torres | 10 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122973AA | 10/24/2012 05:09 | Sara E Johnson | 50 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122973AA | 10/24/2012 05:09 | Sara E Johnson | 50 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L122981AA | 10/24/2012 08:56 | Christopher G Torres | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 3 | L122981AA | 10/24/2012 11:52 | Christopher G Torres | 10 |

**Sample Description: MW-48S Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831351**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/18/2012 11:40 by JP

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

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GA48S

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 75 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 880 | 20 | 10 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 190 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 5 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 180 | 50 | 25 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-48S Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831351**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/18/2012 11:40 by JP

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GA48S

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L122981AA | 10/24/2012 09:18 | Christopher G Torres | 1 |
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L122981AA | 10/24/2012 12:14 | Christopher G Torres | 10 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122981AA | 10/24/2012 17:15 | Jason M Long | 25 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | L122981AA | 10/24/2012 09:18 | Christopher G Torres | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L122981AA | 10/24/2012 12:14 | Christopher G Torres | 10 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 3 | E122981AA | 10/24/2012 17:15 | Jason M Long | 25 |

**Sample Description: DP-2 Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831352**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/18/2012 11:30 by JP

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

DP-02

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 74 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 860 | 20 | 10 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 190 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 5 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 150 | 50 | 25 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: DP-2 Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831352**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/18/2012 11:30 by JP

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

DP-02

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L122981AA | 10/24/2012 09:40 | Christopher G Torres | 1 |
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L122981AA | 10/24/2012 12:36 | Christopher G Torres | 10 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122981AA | 10/24/2012 17:34 | Jason M Long | 25 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | L122981AA | 10/24/2012 09:40 | Christopher G Torres | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | L122981AA | 10/24/2012 12:36 | Christopher G Torres | 10 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 3 | E122981AA | 10/24/2012 17:34 | Jason M Long | 25 |

**Sample Description: BR-24 Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831353**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/18/2012 15:20 by JP

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GA-24

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: BR-24 Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831353**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/18/2012 15:20 by JP

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

GA-24

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L122981AA | 10/24/2012 10:02 | Christopher G Torres | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122981AA | 10/24/2012 14:16 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | L122981AA | 10/24/2012 10:02 | Christopher G Torres | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E122981AA | 10/24/2012 14:16 | Jason M Long | 1 |

**Sample Description: MW-23 Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831354**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/18/2012 16:35 by JP

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

BR-23

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 25 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 13 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 22 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 24 | 20 | 10 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-23 Grab Groundwater**
**AD-GA/1-0145-04**

**LLI Sample # WW 6831354**
**LLI Group # 1343718**
**Account # 06556**

**Project Name: AD-GA/1-0145-4**

Collected: 10/18/2012 16:35 by JP

Submitted: 10/20/2012 09:20
Reported: 10/31/2012 15:16

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

BR-23

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | L122981AA | 10/24/2012 10:24 | Christopher G Torres | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122981AA | 10/24/2012 19:12 | Jason M Long | 10 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | L122981AA | 10/24/2012 10:24 | Christopher G Torres | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E122981AA | 10/24/2012 19:12 | Jason M Long | 10 |

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1343718
Reported: 10/31/12 at 03:16 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

## Laboratory Compliance Quality Control

| Analysis Name | Blank Result | Blank LOQ | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: E122971AA | Sample number(s): 6831328 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 82 | | 80-123 | | |
| Batch number: E122973AA | Sample number(s): 6831329-6831346,6831350 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 86 | | 80-123 | | |
| Batch number: E122981AA | Sample number(s): 6831351-6831354 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 82 | | 80-123 | | |
| Batch number: E122991AA | Sample number(s): 6831347-6831349 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 85 | | 80-123 | | |
| Batch number: L122981AA | Sample number(s): 6831350-6831354 | | | | | | | |
| Acetone | < 20 | 20. | ug/l | 99 | 106 | 49-234 | 6 | 30 |
| Benzene | < 5 | 5. | ug/l | 93 | 95 | 77-121 | 3 | 30 |
| Bromodichloromethane | < 5 | 5. | ug/l | 94 | 94 | 73-120 | 0 | 30 |
| Bromoform | < 5 | 5. | ug/l | 85 | 87 | 61-120 | 2 | 30 |
| Bromomethane | < 5 | 5. | ug/l | 90 | 92 | 44-120 | 2 | 30 |
| 2-Butanone | < 10 | 10. | ug/l | 93 | 98 | 53-155 | 5 | 30 |
| Carbon Disulfide | < 5 | 5. | ug/l | 90 | 89 | 62-125 | 1 | 30 |
| Carbon Tetrachloride | < 5 | 5. | ug/l | 93 | 94 | 67-122 | 1 | 30 |
| Chlorobenzene | < 5 | 5. | ug/l | 91 | 91 | 80-120 | 0 | 30 |
| Chloroethane | < 5 | 5. | ug/l | 85 | 89 | 49-129 | 4 | 30 |
| Chloroform | < 5 | 5. | ug/l | 94 | 94 | 77-122 | 0 | 30 |
| Chloromethane | < 5 | 5. | ug/l | 76 | 78 | 60-129 | 3 | 30 |
| Dibromochloromethane | < 5 | 5. | ug/l | 92 | 95 | 72-120 | 3 | 30 |
| 1,1-Dichloroethane | < 5 | 5. | ug/l | 94 | 94 | 79-120 | 0 | 30 |
| 1,2-Dichloroethane | < 5 | 5. | ug/l | 98 | 99 | 64-130 | 1 | 30 |
| 1,1-Dichloroethene | < 2 | 2. | ug/l | 97 | 97 | 76-124 | 0 | 30 |
| cis-1,2-Dichloroethene | < 5 | 5. | ug/l | 93 | 92 | 80-120 | 1 | 30 |
| trans-1,2-Dichloroethene | < 5 | 5. | ug/l | 95 | 96 | 80-120 | 2 | 30 |
| 1,2-Dichloropropane | < 5 | 5. | ug/l | 90 | 89 | 80-120 | 1 | 30 |
| cis-1,3-Dichloropropene | < 5 | 5. | ug/l | 89 | 89 | 78-120 | 0 | 30 |
| trans-1,3-Dichloropropene | < 5 | 5. | ug/l | 83 | 85 | 73-120 | 2 | 30 |
| Ethylbenzene | < 5 | 5. | ug/l | 86 | 88 | 79-120 | 2 | 30 |
| 2-Hexanone | < 10 | 10. | ug/l | 95 | 97 | 53-139 | 2 | 30 |
| 4-Methyl-2-pentanone | < 10 | 10. | ug/l | 93 | 92 | 58-133 | 1 | 30 |
| Methylene Chloride | < 5 | 5. | ug/l | 93 | 92 | 84-118 | 1 | 30 |
| Styrene | < 5 | 5. | ug/l | 86 | 87 | 77-120 | 1 | 30 |
| 1,1,2,2-Tetrachloroethane | < 5 | 5. | ug/l | 91 | 91 | 75-123 | 1 | 30 |
| Tetrachloroethene | < 5 | 5. | ug/l | 93 | 94 | 79-120 | 1 | 30 |
| Toluene | < 5 | 5. | ug/l | 89 | 91 | 79-120 | 2 | 30 |
| 1,1,1-Trichloroethane | < 5 | 5. | ug/l | 95 | 93 | 66-126 | 2 | 30 |
| 1,1,2-Trichloroethane | < 5 | 5. | ug/l | 89 | 93 | 80-120 | 5 | 30 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1343718
Reported: 10/31/12 at 03:16 PM

| Analysis Name | Blank Result | Blank LOQ | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Trichloroethene | < 5 | 5. | ug/l | 95 | 95 | 80-120 | 0 | 30 |
| Vinyl Chloride | < 2 | 2. | ug/l | 76 | 79 | 56-123 | 4 | 30 |
| Xylene (Total) | < 5 | 5. | ug/l | 84 | 86 | 77-120 | 1 | 30 |
| Batch number: Y122972AA | Sample number(s): 6831328-6831349 | | | | | | | |
| Acetone | < 20 | 20. | ug/l | 105 | | 49-234 | | |
| Benzene | < 5 | 5. | ug/l | 116 | | 77-121 | | |
| Bromodichloromethane | < 5 | 5. | ug/l | 107 | | 73-120 | | |
| Bromoform | < 5 | 5. | ug/l | 86 | | 61-120 | | |
| Bromomethane | < 5 | 5. | ug/l | 93 | | 44-120 | | |
| 2-Butanone | < 10 | 10. | ug/l | 110 | | 53-155 | | |
| Carbon Disulfide | < 5 | 5. | ug/l | 110 | | 62-125 | | |
| Carbon Tetrachloride | < 5 | 5. | ug/l | 110 | | 67-122 | | |
| Chlorobenzene | < 5 | 5. | ug/l | 112 | | 80-120 | | |
| Chloroethane | < 5 | 5. | ug/l | 105 | | 49-129 | | |
| Chloroform | < 5 | 5. | ug/l | 109 | | 77-122 | | |
| Chloromethane | < 5 | 5. | ug/l | 112 | | 60-129 | | |
| Dibromochloromethane | < 5 | 5. | ug/l | 106 | | 72-120 | | |
| 1,1-Dichloroethane | < 5 | 5. | ug/l | 119 | | 79-120 | | |
| 1,2-Dichloroethane | < 5 | 5. | ug/l | 119 | | 64-130 | | |
| 1,1-Dichloroethene | < 2 | 2. | ug/l | 121 | | 76-124 | | |
| cis-1,2-Dichloroethene | < 5 | 5. | ug/l | 116 | | 80-120 | | |
| trans-1,2-Dichloroethene | < 5 | 5. | ug/l | 114 | | 80-120 | | |
| 1,2-Dichloropropane | < 5 | 5. | ug/l | 117 | | 80-120 | | |
| cis-1,3-Dichloropropene | < 5 | 5. | ug/l | 114 | | 78-120 | | |
| trans-1,3-Dichloropropene | < 5 | 5. | ug/l | 105 | | 73-120 | | |
| Ethylbenzene | < 5 | 5. | ug/l | 114 | | 79-120 | | |
| 2-Hexanone | < 10 | 10. | ug/l | 107 | | 53-139 | | |
| 4-Methyl-2-pentanone | < 10 | 10. | ug/l | 108 | | 58-133 | | |
| Methylene Chloride | < 5 | 5. | ug/l | 120* | | 84-118 | | |
| Styrene | < 5 | 5. | ug/l | 108 | | 77-120 | | |
| 1,1,2,2-Tetrachloroethane | < 5 | 5. | ug/l | 109 | | 75-123 | | |
| Tetrachloroethene | < 5 | 5. | ug/l | 108 | | 79-120 | | |
| Toluene | < 5 | 5. | ug/l | 114 | | 79-120 | | |
| 1,1,1-Trichloroethane | < 5 | 5. | ug/l | 112 | | 66-126 | | |
| 1,1,2-Trichloroethane | < 5 | 5. | ug/l | 110 | | 80-120 | | |
| Trichloroethene | < 5 | 5. | ug/l | 114 | | 80-120 | | |
| Vinyl Chloride | < 2 | 2. | ug/l | 102 | | 56-123 | | |
| Xylene (Total) | < 5 | 5. | ug/l | 111 | | 77-120 | | |
| Batch number: Y122981AA | Sample number(s): 6831342,6831344 | | | | | | | |
| 1,1-Dichloroethene | < 5 | 5. | ug/l | 118 | | 76-124 | | |
| 1,1,1-Trichloroethane | < 5 | 5. | ug/l | 107 | | 66-126 | | |

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| Batch number: E122971AA | Sample number(s): 6831328 UNSPK: P830593 | | | | | | | | |
| 1,4-Dioxane | 82 | 80 | 73-138 | 1 | 30 | | | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1343718
Reported: 10/31/12 at 03:16 PM

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| Batch number: E122973AA | Sample number(s): 6831329-6831346,6831350 UNSPK: P830606 | | | | | | | | |
| 1,4-Dioxane | 80 | 81 | 73-138 | 0 | 30 | | | | |
| Batch number: E122981AA | Sample number(s): 6831351-6831354 UNSPK: P830621 | | | | | | | | |
| 1,4-Dioxane | 99 | 86 | 73-138 | 9 | 30 | | | | |
| Batch number: E122991AA | Sample number(s): 6831347-6831349 UNSPK: 6831347 | | | | | | | | |
| 1,4-Dioxane | 80 | 83 | 73-138 | 3 | 30 | | | | |
| Batch number: L122981AA | Sample number(s): 6831350-6831354 UNSPK: P830621 | | | | | | | | |
| Acetone | 153 | 181* | 33-159 | 17 | 30 | | | | |
| Benzene | 87 | 100 | 72-134 | 13 | 30 | | | | |
| Bromodichloromethane | 84 | 96 | 78-125 | 14 | 30 | | | | |
| Bromoform | 73 | 86 | 48-118 | 16 | 30 | | | | |
| Bromomethane | 83 | 67 | 47-129 | 22 | 30 | | | | |
| 2-Butanone | 104 | 124 | 57-138 | 18 | 30 | | | | |
| Carbon Disulfide | 85 | 100 | 67-135 | 17 | 30 | | | | |
| Carbon Tetrachloride | 90 | 105 | 72-135 | 15 | 30 | | | | |
| Chlorobenzene | 83* | 95 | 87-124 | 13 | 30 | | | | |
| Chloroethane | 84 | 66 | 51-145 | 24 | 30 | | | | |
| Chloroform | 85 | 96 | 81-134 | 13 | 30 | | | | |
| Chloromethane | 72 | 61 | 46-137 | 17 | 30 | | | | |
| Dibromochloromethane | 82 | 96 | 74-116 | 15 | 30 | | | | |
| 1,1-Dichloroethane | 118 | 275* | 84-129 | 47* | 30 | | | | |
| 1,2-Dichloroethane | 89 | 102 | 68-131 | 14 | 30 | | | | |
| 1,1-Dichloroethene | 278 (2) | 1384 (2) | 85-142 | 60* | 30 | | | | |
| cis-1,2-Dichloroethene | 85 | 99 | 85-125 | 15 | 30 | | | | |
| trans-1,2-Dichloroethene | 86* | 102 | 87-126 | 17 | 30 | | | | |
| 1,2-Dichloropropane | 80* | 93 | 83-124 | 15 | 30 | | | | |
| cis-1,3-Dichloropropene | 79 | 93 | 70-116 | 17 | 30 | | | | |
| trans-1,3-Dichloropropene | 73* | 87 | 74-119 | 18 | 30 | | | | |
| Ethylbenzene | 78 | 92 | 71-134 | 17 | 30 | | | | |
| 2-Hexanone | 95 | 113 | 55-127 | 18 | 30 | | | | |
| 4-Methyl-2-pentanone | 78 | 92 | 63-123 | 17 | 30 | | | | |
| Methylene Chloride | 82 | 95 | 78-133 | 14 | 30 | | | | |
| Styrene | 77* | 90 | 78-125 | 16 | 30 | | | | |
| 1,1,2,2-Tetrachloroethane | 75 | 89 | 72-128 | 16 | 30 | | | | |
| Tetrachloroethene | 90 | 109 | 80-128 | 18 | 30 | | | | |
| Toluene | 81 | 95 | 80-125 | 15 | 30 | | | | |
| 1,1,1-Trichloroethane | 100 | 122 | 69-140 | 20 | 30 | | | | |
| 1,1,2-Trichloroethane | 78 | 89 | 77-124 | 13 | 30 | | | | |
| Trichloroethene | 92 | 106 | 88-133 | 14 | 30 | | | | |
| Vinyl Chloride | 75 | 67 | 66-133 | 11 | 30 | | | | |
| Xylene (Total) | 77* | 91 | 79-125 | 17 | 30 | | | | |
| Batch number: Y122972AA | Sample number(s): 6831328-6831349 UNSPK: 6831347 | | | | | | | | |
| Acetone | 112 | 116 | 33-159 | 3 | 30 | | | | |
| Benzene | 125 | 124 | 72-134 | 1 | 30 | | | | |
| Bromodichloromethane | 111 | 111 | 78-125 | 0 | 30 | | | | |
| Bromoform | 83 | 83 | 48-118 | 0 | 30 | | | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1343718
Reported: 10/31/12 at 03:16 PM

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| Bromomethane | 100 | 98 | 47-129 | 1 | 30 | | | | |
| 2-Butanone | 110 | 115 | 57-138 | 5 | 30 | | | | |
| Carbon Disulfide | 120 | 117 | 67-135 | 2 | 30 | | | | |
| Carbon Tetrachloride | 125 | 124 | 72-135 | 1 | 30 | | | | |
| Chlorobenzene | 118 | 116 | 87-124 | 1 | 30 | | | | |
| Chloroethane | 111 | 111 | 51-145 | 0 | 30 | | | | |
| Chloroform | 116 | 115 | 81-134 | 1 | 30 | | | | |
| Chloromethane | 133 | 129 | 46-137 | 3 | 30 | | | | |
| Dibromochloromethane | 105 | 104 | 74-116 | 1 | 30 | | | | |
| 1,1-Dichloroethane | 129 | 127 | 84-129 | 1 | 30 | | | | |
| 1,2-Dichloroethane | 125 | 122 | 68-131 | 2 | 30 | | | | |
| 1,1-Dichloroethene | 139 | 136 | 85-142 | 3 | 30 | | | | |
| cis-1,2-Dichloroethene | 124 | 122 | 85-125 | 2 | 30 | | | | |
| trans-1,2-Dichloroethene | 124 | 123 | 87-126 | 0 | 30 | | | | |
| 1,2-Dichloropropane | 122 | 122 | 83-124 | 0 | 30 | | | | |
| cis-1,3-Dichloropropene | 116 | 116 | 70-116 | 0 | 30 | | | | |
| trans-1,3-Dichloropropene | 103 | 104 | 74-119 | 1 | 30 | | | | |
| Ethylbenzene | 121 | 118 | 71-134 | 2 | 30 | | | | |
| 2-Hexanone | 104 | 107 | 55-127 | 4 | 30 | | | | |
| 4-Methyl-2-pentanone | 106 | 110 | 63-123 | 3 | 30 | | | | |
| Methylene Chloride | 124 | 121 | 78-133 | 3 | 30 | | | | |
| Styrene | 113 | 111 | 78-125 | 1 | 30 | | | | |
| 1,1,2,2-Tetrachloroethane | 105 | 106 | 72-128 | 1 | 30 | | | | |
| Tetrachloroethene | 120 | 118 | 80-128 | 2 | 30 | | | | |
| Toluene | 122 | 121 | 80-125 | 0 | 30 | | | | |
| 1,1,1-Trichloroethane | 123 | 122 | 69-140 | 1 | 30 | | | | |
| 1,1,2-Trichloroethane | 112 | 110 | 77-124 | 1 | 30 | | | | |
| Trichloroethene | 125 | 123 | 88-133 | 2 | 30 | | | | |
| Vinyl Chloride | 120 | 114 | 66-133 | 5 | 30 | | | | |
| Xylene (Total) | 118 | 117 | 79-125 | 1 | 30 | | | | |
| Batch number: Y122981AA | Sample number(s): 6831342,6831344 UNSPK: P831021 | | | | | | | | |
| 1,1-Dichloroethene | 141 | 139 | 85-142 | 2 | 30 | | | | |
| 1,1,1-Trichloroethane | 125 | 126 | 69-140 | 1 | 30 | | | | |

## Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed
unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E122971AA

| | Toluene-d8 |
|---|---|
| 6831328 | 99 |
| Blank | 100 |
| LCS | 99 |
| MS | 100 |
| MSD | 101 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1343718
Reported: 10/31/12 at 03:16 PM

## Surrogate Quality Control

Limits: 80-120

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E122973AA

| | Toluene-d8 |
|---|---|
| 6831329 | 96 |
| 6831330 | 98 |
| 6831331 | 95 |
| 6831332 | 99 |
| 6831333 | 100 |
| 6831334 | 100 |
| 6831335 | 99 |
| 6831336 | 99 |
| 6831337 | 103 |
| 6831338 | 99 |
| 6831339 | 99 |
| 6831340 | 100 |
| 6831341 | 96 |
| 6831342 | 99 |
| 6831343 | 100 |
| 6831344 | 99 |
| 6831345 | 96 |
| 6831346 | 99 |
| 6831350 | 99 |
| Blank | 99 |
| LCS | 99 |
| MS | 99 |
| MSD | 97 |

Limits: 80-120

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E122981AA

| | Toluene-d8 |
|---|---|
| 6831351 | 99 |
| 6831352 | 99 |
| 6831353 | 99 |
| 6831354 | 99 |
| Blank | 100 |
| LCS | 99 |
| MS | 99 |
| MSD | 99 |

Limits: 80-120

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E122991AA

| | Toluene-d8 |
|---|---|
| 6831347 | 100 |
| 6831348 | 100 |
| 6831349 | 100 |
| Blank | 100 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1343718
Reported: 10/31/12 at 03:16 PM

## Surrogate Quality Control

| | |
|---|---|
| LCS | 100 |
| MS | 100 |
| MSD | 100 |
| Limits: | 80-120 |

Analysis Name: 8260 Std. Water Master
Batch number: L122981AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| 6831350 | 113 | 100 | 96 | 95 |
| 6831351 | 110 | 102 | 96 | 95 |
| 6831352 | 107 | 101 | 95 | 96 |
| 6831353 | 108 | 104 | 94 | 94 |
| 6831354 | 107 | 103 | 95 | 95 |
| Blank | 106 | 103 | 93 | 95 |
| LCS | 102 | 99 | 99 | 103 |
| LCSD | 101 | 99 | 98 | 104 |
| MS | 100 | 98 | 98 | 103 |
| MSD | 100 | 98 | 98 | 101 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

Analysis Name: 8260 Std. Water Master
Batch number: Y122972AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| 6831328 | 96 | 99 | 102 | 101 |
| 6831329 | 97 | 96 | 102 | 101 |
| 6831330 | 96 | 97 | 102 | 100 |
| 6831331 | 96 | 97 | 101 | 100 |
| 6831332 | 97 | 97 | 101 | 100 |
| 6831333 | 97 | 98 | 101 | 99 |
| 6831334 | 96 | 97 | 102 | 100 |
| 6831335 | 97 | 98 | 102 | 100 |
| 6831336 | 97 | 98 | 103 | 100 |
| 6831337 | 96 | 97 | 102 | 100 |
| 6831338 | 97 | 98 | 102 | 99 |
| 6831339 | 96 | 96 | 102 | 100 |
| 6831340 | 96 | 98 | 102 | 100 |
| 6831341 | 97 | 98 | 102 | 100 |
| 6831342 | 102 | 97 | 102 | 100 |
| 6831343 | 97 | 97 | 102 | 99 |
| 6831344 | 99 | 96 | 103 | 101 |
| 6831345 | 97 | 96 | 103 | 99 |
| 6831346 | 97 | 97 | 102 | 99 |
| 6831347 | 96 | 98 | 102 | 100 |
| 6831348 | 98 | 100 | 103 | 101 |
| 6831349 | 98 | 100 | 102 | 100 |
| Blank | 97 | 97 | 102 | 101 |
| LCS | 99 | 101 | 103 | 102 |
| MS | 98 | 100 | 103 | 101 |
| MSD | 98 | 100 | 102 | 100 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1343718
Reported: 10/31/12 at 03:16 PM

## Surrogate Quality Control

Analysis Name: 8260 Std. Water Master
Batch number: Y122981AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| Blank | 97 | 97 | 103 | 100 |
| LCS | 98 | 102 | 103 | 102 |
| MS | 99 | 100 | 103 | 101 |
| MSD | 98 | 100 | 103 | 102 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Environmental Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

Acct. # 06556 For Eurofins Lancaster Laboratories use only Group # 1343718 Sample # 6831328-354
Instructions on reverse side correspond with circled numbers.

**COC # 315054**

**1 Client Information**

| | |
|---|---|
| Client: Johnson Co. | Acct. #: 06556 |
| Project Name/#: 1-0145-04 / AD-GA | PWSID #: |
| Project Manager: Glen Kirkpatrick | P.O. #: 1-0145-04 |
| Sampler: Ross Predom | Quote #: |

Name of state where samples were collected: GA

**4 Matrix**: Sediment ☐ Soil ☐ | Ground ☒ Potable ☐ Water | Surface ☐ NPDES ☐ | Other: DH

**5 Analysis Requested** — Preservation Codes: H

| 2 Sample Identification | Collected Date | Collected Time | 3 Grab | 3 Composite | Total # of Containers | 1,4-Dioxane by Isotope Dil SIM | 8260 Std. water Master | Remarks |
|---|---|---|---|---|---|---|---|---|
| TB-RDP 101812 | 10-18-12 | — | X | | 4 | X | X | |
| MW-19S | 10-18-12 | 1415 | X | | 6 | X | X | |
| MW-52D | 10-18-12 | 1540 | X | | 6 | X | X | |
| MW-20S | 10-18-12 | 1720 | X | | 6 | X | X | |
| MW-27D | 10-19-12 | 1110 | X | | 6 | X | X | |
| MW-27S | 10-19-12 | 1240 | X | | 6 | X | X | |
| BR-8S | 10-19-12 | 1445 | X | | 6 | X | X | |
| BR-8D | 10-19-12 | 1455 | X | | 6 | X | X | |

For Lab Use Only
FSC:
SCR#:

**Preservation Codes**
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

**6 Remarks**

**7 Turnaround Time (TAT) Requested** (please circle)
Standard Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)

Date results are needed:

E-mail address: GAK@JCOMAIL.COM

**8 Data Package Options** (circle if required)
Type I (Validation/non-CLP) Type VI (Raw Data Only)
Type III (Reduced non-CLP) TX TRRP-13
Type IV (CLP SOW) MA MCP CT RCP

**9**

| Relinquished by | Date | Time | Received by | Date | Time |
|---|---|---|---|---|---|
| [signature] | 10.19.12 | 1600 | | | |
| Relinquished by | Date | Time | Received by | Date | Time |
| Relinquished by | Date | Time | Received by | Date | Time |
| Relinquished by | Date | Time | Received by | Date | Time |
| Relinquished by | Date | Time | Received by [signature] | 10/20/12 | 0930 |

EDD Required? (Yes) No
If yes, format: MS Excel

Site-Specific QC (MS/MSD/Dup)? (Yes) No
(If yes, indicate QC sample and submit triplicate sample volume.)

Relinquished by Commercial Carrier:
UPS ____ FedEx ✓ Other ____

Temperature upon receipt 1.1-1.7 °C

# Environmental Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

Acct. # 6556 For Eurofins Lancaster Laboratories use only Group # 134378 Sample # 683328-354
Instructions on reverse side correspond with circled numbers.

**COC # 315056**

## 1 Client Information

| | |
|---|---|
| Client: The Johnson Co. | Acct. #: 06556 |
| Project Name/#: AD-GA 1-0145-4 | PWSID #: |
| Project Manager: Glen Kirkpatrick | P.O. #: 1-0145-04 |
| Sampler: Jo Palmer | Quote #: |

Name of state where samples were collected: GA

## 4 Matrix

Sediment ☐ Soil ☐ | Ground ☒ Potable ☐ Water | Surface ☐ NPDES ☐ | Other: ☐

## 5 Analysis Requested

Preservation Codes: 1 = H

| 2 Sample Identification | Collected Date | Collected Time | 3 Grab | 3 Composite | Total # of Containers | 8260 | 1,4 Dioxane by Isotope Dil SIM HCL |
|---|---|---|---|---|---|---|---|
| MW-47D | 10/19/12 | 0920 | X | | 6 | 3 | 3 |
| MW-47S | 10/19/12 | 1045 | X | | 6 | 3 | 3 |
| MW-6 | 10/19/12 | 1240 | X | | 6 | 3 | 3 |
| MW-7 | 10/19/12 | 1525 | X | | 6 | 3 | 3 |
| MW-45S | 10/19/12 | 1410 | X | | 6 | 3 | 3 |

For Lab Use Only
FSC:
SCR#:

**Preservation Codes**
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

## 6 Remarks

## 7 Turnaround Time (TAT) Requested (please circle)

Standard Rush

(Rush TAT is ~~subject to~~ Lancaster Laboratories approval and surcharge.)

Date results are needed: —

E-mail address: GAK@jcomail.com

## 8 Data Package Options (circle if required)

Type I (Validation/non-CLP) Type VI (Raw Data Only)
Type III (Reduced non-CLP) TX TRRP-13
Type IV (CLP SOW) MA MCP CT RCP

| Relinquished by | Date | Time | Received by | Date | Time |
|---|---|---|---|---|---|
| [signature] | 10/19/12 | 1600 | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | Pat Gyla | 10/20/12 | 0920 |

9

EDD Required? (Yes) No
If yes, format: Excel

Site-Specific QC (MS/MSD/Dup)? (Yes) No
(If yes, indicate QC sample and submit triplicate sample volume.)

Relinquished by Commercial Carrier:
UPS ____ FedEx X Other ____

Temperature upon receipt 1.1-1.7 °C

# Environmental Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

Acct. # 65556 For Eurofins Lancaster Laboratories use only Group # 1348118 Sample # 6853132-354
Instructions on reverse side correspond with circled numbers.

**COC # 315057**

**1 Client Information**

| | |
|---|---|
| Client: The Johnson Co. | Acct. #: 06556 |
| Project Name/#: AD-GA / 1-0145-4 | PWSID #: |
| Project Manager: Glen Kirkpatrick | P.O. #: 1-0145-4 |
| Sampler: TEH | Quote #: |

Name of state where samples were collected:

**4 Matrix**: Soil ☐ Sediment ☐ Water: Potable ☐ Ground ☐ Surface ☐ NPDES ☐ Other: DI H2O

**5 Analysis Requested** — Preservation Codes

| 2 Sample Identification | Collected Date | Collected Time | 3 Grab | Composite | Total # of Containers | 8260 (H) | 1,4 Dioxane ISO DL SIM (H) |
|---|---|---|---|---|---|---|---|
| Trip Blank | 10/15/12 | — | X | | 4 | 2 | 2 |
| MW-60D | 10/18/12 | 1755 | X | | 6 | 3 | 3 |
| MW-18S | | 0905 | X | | 6 | 3 | 3 |
| MW-18D | | 1037 | X | | 6 | 3 | 3 |
| MW-50D | | 1227 | X | | 6 | 3 | 3 |
| MW-46I | | 1407 | X | | 6 | 3 | 3 |
| BR-17 | | 1457 | X | | 18 | 9 | 9 |

Remarks: MS/MSD

For Lab Use Only
FSC:
SCR#:

**Preservation Codes**
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

**6 Remarks**
Please use a PQL of 2 µg/L for Vinyl Chloride

**7 Turnaround Time (TAT) Requested** (please circle)
Standard Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)

Date results are needed: —

E-mail address: GAK@jcomail.com

**8 Data Package Options** (circle if required)
Type I (Validation/non-CLP) Type VI (Raw Data Only)
Type III (Reduced non-CLP) TX TRRP-13
Type IV (CLP SOW) MA MCP CT RCP

| Relinquished by | Date | Time | Received by | Date | Time |
|---|---|---|---|---|---|
| | 10/19/12 | 1600 | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | Pat Ele | 10/20/12 | 0900 |

**9**

EDD Required? (Yes) No
If yes, format: Excel

Site-Specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate sample volume.)

Relinquished by Commercial Carrier:
UPS ____ FedEx X Other ____

Temperature upon receipt 1.1-1.2 °C

# Environmental Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

Acct. # 10556 For Eurofins Lancaster Laboratories use only Group # 1343718 Sample # 6831328-354
Instructions on reverse side correspond with circled numbers.

**COC # 315044**

**1 Client Information**

| | |
|---|---|
| Client: The Johnson Co. | Acct. #: 06556 |
| Project Name/#: AD-GA/1-0145-04 | PWSID #: |
| Project Manager: Glen Kirkpatrick | P.O. #: 1-0145-04 |
| Sampler: Jo Palmer | Quote #: |

Name of state where samples were collected: GA

**4 Matrix**: Sediment ☐ Soil ☐ | Ground ☒ Potable ☐ Water | Surface ☐ NPDES ☐ | Other: ☐

**5 Analysis Requested** — Preservation Codes: H

| 2 Sample Identification | Collected Date | Collected Time | 3 Grab | 3 Composite | Total # of Containers | 1,4 Dioxane DIL SIM HCL | 8260 |
|---|---|---|---|---|---|---|---|
| MW-48D | 10/18/12 | 1020 | X | | 6 | 3 | 3 |
| MW-48S | 10/18/12 | 1140 | X | | 6 | 3 | 3 |
| DP-2 | 10/18/12 | 1130 | X | | 6 | 3 | 3 |
| BR-24 | 10/18/12 | 1520 | X | | 6 | 3 | 3 |
| MW-23 | 10/18/12 | 1635 | X | | 6 | 3 | 3 |

For Lab Use Only
FSC:
SCR#:

**Preservation Codes**
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

**6 Remarks**

**7 Turnaround Time (TAT) Requested** (please circle)
(Standard) Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)

Date results are needed:

E-mail address: GAK@jcomail.com

**8 Data Package Options** (circle if required)
Type I (Validation/non-CLP) Type VI (Raw Data Only)
Type III (Reduced non-CLP) TX TRRP-13
Type IV (CLP SOW) MA MCP CT RCP

| Relinquished by | Date | Time | Received by | Date | Time |
|---|---|---|---|---|---|
| [signature] | 10/19/12 | 1600 | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | [signature] | 10/20/12 | 0920 |

**9**

EDD Required? (Yes) No
If yes, format:

Site-Specific QC (MS/MSD/Dup)? (Yes) No
(If yes, indicate QC sample and submit triplicate sample volume.)

Relinquished by Commercial Carrier:
UPS FedEx (✓) Other

Temperature upon receipt 1.1-1.7 °C

eurofins | Lancaster Laboratories

G1-1343718

# Environmental Sample Administration Receipt Documentation Log

**Client/Project:** The Johnson Co

**Date of Receipt:** 10/20/12

**Time of Receipt:** 0920

**Source Code:** SO

**Shipping Container Sealed:** (YES) NO

**Custody Seal Present * :** (YES) NO

* Custody seal was intact unless otherwise noted in the discrepancy section

**Package:** (Chilled) Not Chilled

| Temperature of Shipping Containers | | | | | | | |
|---|---|---|---|---|---|---|---|
| Cooler # | Thermometer ID | Temperature (°C) | Temp Bottle (TB) or Surface Temp (ST) | Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP) | Ice Present? Y/N | Loose (L) Bagged Ice (B) or NA | Comments |
| 1 | 429951 | 1.7 | TB | WI | Y | B | |
| 2 | ↓ | 1.1 | ↓ | ↓ | ↓ | ↓ | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |

**Number of Trip Blanks received NOT listed on chain of custody:** 0

**Paperwork Discrepancy/Unpacking Problems:**

**Unpacker Signature/Emp#:** Pat Gfa 3472 **Date/Time:** 10/20/12 0950

Issued by Dept. 6042 Management

eurofins | Lancaster Laboratories

# Explanation of Symbols and Abbreviations

*The following defines common symbols and abbreviations used in reporting technical data:*

| | | | |
|---|---|---|---|
| **RL** | Reporting Limit | **BMQL** | Below Minimum Quantitation Level |
| **N.D.** | none detected | **MPN** | Most Probable Number |
| **TNTC** | Too Numerous To Count | **CP Units** | cobalt-chloroplatinate units |
| **IU** | International Units | **NTU** | nephelometric turbidity units |
| **umhos/cm** | micromhos/cm | **ng** | nanogram(s) |
| **C** | degrees Celsius | **F** | degrees Fahrenheit |
| **meq** | milliequivalents | **lb.** | pound(s) |
| **g** | gram(s) | **kg** | kilogram(s) |
| **µg** | microgram(s) | **mg** | milligram(s) |
| **mL** | milliliter(s) | **L** | liter(s) |
| **m3** | cubic meter(s) | **µL** | microliter(s) |
| | | **pg/L** | picogram/liter |

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**J** estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

*U.S. EPA CLP Data Qualifiers:*

**Organic Qualifiers**

| | |
|---|---|
| **A** | TIC is a possible aldol-condensation product |
| **B** | Analyte was also detected in the blank |
| **C** | Pesticide result confirmed by GC/MS |
| **D** | Compound quantitated on a diluted sample |
| **E** | Concentration exceeds the calibration range of the instrument |
| **N** | Presumptive evidence of a compound (TICs only) |
| **P** | Concentration difference between primary and confirmation columns >25% |
| **U** | Compound was not detected |
| **X,Y,Z** | Defined in case narrative |

**Inorganic Qualifiers**

| | |
|---|---|
| **B** | Value is <CRDL, but ≥IDL |
| **E** | Estimated due to interference |
| **M** | Duplicate injection precision not met |
| **N** | Spike sample not within control limits |
| **S** | Method of standard additions (MSA) used for calculation |
| **U** | Compound was not detected |
| **W** | Post digestion spike out of control limits |
| ***** | Duplicate analysis not within control limits |
| **+** | Correlation coefficient for MSA <0.995 |

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

October 29, 2012

Project: Avery Dennison / Flowery Branch, GA

Submittal Date: 10/23/2012
Group Number: 1344092
PO Number: 1-0145-4
State of Sample Origin: GA

| Client Sample Description | Lancaster Labs (LLI) # |
|---|---|
| TB-TEH Water | 6833152 |
| BR-6 Grab Groundwater | 6833153 |
| MW-9 Grab Groundwater | 6833154 |
| MW-55D Grab Groundwater | 6833155 |
| BR-18 Grab Groundwater | 6833156 |
| MW-57D Grab Groundwater | 6833157 |
| BR-21D Grab Groundwater | 6833158 |
| BR-21 Grab Groundwater | 6833159 |
| DP-1 Grab Groundwater | 6833160 |
| MW-42 Grab Groundwater | 6833161 |
| MW-54D Grab Groundwater | 6833162 |
| MW-57I Grab Groundwater | 6833163 |
| MW-8 Grab Groundwater | 6833164 |
| MW-59I Grab Groundwater | 6833165 |
| EB-1 Grab Water | 6833166 |

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO The Johnson Company, Inc. Attn: Glen Kirkpatrick

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Respectfully Submitted,



Wendy A. Kozma
Principal Specialist Group Leader

(717) 556-7257

**Sample Description: TB-TEH Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833152**
**LLI Group # 1344092**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2012

Submitted: 10/23/2012 09:25
Reported: 10/29/2012 14:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADJTB

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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# Analysis Report

**Sample Description: TB-TEH Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833152**
**LLI Group # 1344092**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2012

Submitted: 10/23/2012 09:25
Reported: 10/29/2012 14:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADJTB

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T122991AA | 10/25/2012 11:56 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122981AA | 10/24/2012 11:58 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122981AA | 10/24/2012 11:58 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T122991AA | 10/25/2012 11:56 | Linda C Pape | 1 |

**Sample Description: BR-6 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833153**
**LLI Group # 1344092**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2012 11:08 by TEH

Submitted: 10/23/2012 09:25
Reported: 10/29/2012 14:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADJB6

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 28 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 200 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: BR-6 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833153**
**LLI Group # 1344092**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2012 11:08 by TEH

Submitted: 10/23/2012 09:25
Reported: 10/29/2012 14:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADJB6

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T122991AA | 10/25/2012 12:44 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122981AA | 10/24/2012 14:36 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122981AA | 10/24/2012 14:36 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T122991AA | 10/25/2012 12:44 | Linda C Pape | 1 |

**Sample Description: MW-9 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833154**
**LLI Group # 1344092**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2012 12:40 by TEH

Submitted: 10/23/2012 09:25
Reported: 10/29/2012 14:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADJ09

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | 44 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-9 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833154**
**LLI Group # 1344092**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2012 12:40 by TEH

Submitted: 10/23/2012 09:25
Reported: 10/29/2012 14:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADJ09

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T122991AA | 10/25/2012 13:56 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122981AA | 10/24/2012 12:18 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122981AA | 10/24/2012 12:18 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T122991AA | 10/25/2012 13:56 | Linda C Pape | 1 |

**Sample Description: MW-55D Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833155**
**LLI Group # 1344092**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2012 13:57 by TEH

Submitted: 10/23/2012 09:25
Reported: 10/29/2012 14:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADJ55

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 8 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 12 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-55D Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833155**
**LLI Group # 1344092**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2012 13:57 by TEH

Submitted: 10/23/2012 09:25
Reported: 10/29/2012 14:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADJ55

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T122991AA | 10/25/2012 14:20 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122981AA | 10/24/2012 18:33 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122981AA | 10/24/2012 18:33 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T122991AA | 10/25/2012 14:20 | Linda C Pape | 1 |

**Sample Description: BR-18 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833156**
**LLI Group # 1344092**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2012 16:12 by TEH

Submitted: 10/23/2012 09:25
Reported: 10/29/2012 14:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADJ18

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 11 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 7 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: BR-18 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833156**
**LLI Group # 1344092**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2012 16:12 by TEH

Submitted: 10/23/2012 09:25
Reported: 10/29/2012 14:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADJ18

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T122991AA | 10/25/2012 14:45 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122981AA | 10/24/2012 14:56 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122981AA | 10/24/2012 14:56 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T122991AA | 10/25/2012 14:45 | Linda C Pape | 1 |

**Sample Description: MW-57D Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833157**
**LLI Group # 1344092**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2012 17:47 by TEH

Submitted: 10/23/2012 09:25
Reported: 10/29/2012 14:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD57D

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 10 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 440 | 50 | 10 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | 7 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 2,400 | 20 | 10 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 1,100 | 50 | 10 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | 8 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 15 | 4.0 | 2 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-57D Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833157**
**LLI Group # 1344092**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2012 17:47 by TEH

Submitted: 10/23/2012 09:25
Reported: 10/29/2012 14:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD57D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T122991AA | 10/25/2012 19:32 | Linda C Pape | 1 |
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T122991AA | 10/25/2012 19:55 | Linda C Pape | 10 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122981AA | 10/24/2012 16:16 | Jason M Long | 2 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122981AA | 10/24/2012 16:16 | Jason M Long | 2 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T122991AA | 10/25/2012 19:32 | Linda C Pape | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 3 | T122991AA | 10/25/2012 19:55 | Linda C Pape | 10 |

**Sample Description: BR-21D Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833158**
**LLI Group # 1344092**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2012 10:22 by TEH

Submitted: 10/23/2012 09:25
Reported: 10/29/2012 14:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD21D

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | 52 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 36 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 48 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: BR-21D Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833158**
**LLI Group # 1344092**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2012 10:22 by TEH

Submitted: 10/23/2012 09:25
Reported: 10/29/2012 14:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD21D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T122991AA | 10/25/2012 15:09 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122981AA | 10/24/2012 18:53 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122981AA | 10/24/2012 18:53 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T122991AA | 10/25/2012 15:09 | Linda C Pape | 1 |

**Sample Description: BR-21 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833159**
**LLI Group # 1344092**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2012 11:37 by TEH

Submitted: 10/23/2012 09:25
Reported: 10/29/2012 14:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADJ21

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 70 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 770 | 20 | 10 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 250 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 9.4 | 4.0 | 2 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: BR-21 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833159**
**LLI Group # 1344092**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2012 11:37 by TEH

Submitted: 10/23/2012 09:25
Reported: 10/29/2012 14:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADJ21

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T122991AA | 10/25/2012 15:33 | Linda C Pape | 1 |
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T123001AA | 10/26/2012 19:49 | Linda C Pape | 10 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122981AA | 10/24/2012 16:35 | Jason M Long | 2 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122981AA | 10/24/2012 16:35 | Jason M Long | 2 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T122991AA | 10/25/2012 15:33 | Linda C Pape | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 3 | T123001AA | 10/26/2012 19:49 | Linda C Pape | 10 |

**Sample Description: DP-1 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833160**
**LLI Group # 1344092**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2012 12:00 by TEH

Submitted: 10/23/2012 09:25
Reported: 10/29/2012 14:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADJD1

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 74 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 760 | 20 | 10 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 270 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 8.9 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: DP-1 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833160**
**LLI Group # 1344092**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2012 12:00 by TEH

Submitted: 10/23/2012 09:25
Reported: 10/29/2012 14:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADJD1

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T122991AA | 10/25/2012 20:19 | Linda C Pape | 1 |
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T122991AA | 10/25/2012 20:43 | Linda C Pape | 10 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122981AA | 10/24/2012 15:16 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122981AA | 10/24/2012 15:16 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T122991AA | 10/25/2012 20:19 | Linda C Pape | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 3 | T122991AA | 10/25/2012 20:43 | Linda C Pape | 10 |

**Sample Description: MW-42 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833161**
**LLI Group # 1344092**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2012 12:27 by TEH

Submitted: 10/23/2012 09:25
Reported: 10/29/2012 14:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADJ42

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 64 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 560 | 20 | 10 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 230 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 10 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-42 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833161**
**LLI Group # 1344092**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2012 12:27 by TEH

Submitted: 10/23/2012 09:25
Reported: 10/29/2012 14:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADJ42

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T122991AA | 10/25/2012 15:56 | Linda C Pape | 1 |
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T123001AA | 10/26/2012 20:12 | Linda C Pape | 10 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122981AA | 10/24/2012 15:36 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122981AA | 10/24/2012 15:36 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T122991AA | 10/25/2012 15:56 | Linda C Pape | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 3 | T123001AA | 10/26/2012 20:12 | Linda C Pape | 10 |

**Sample Description: MW-54D Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833162**
**LLI Group # 1344092**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2012 13:45 by TEH

Submitted: 10/23/2012 09:25
Reported: 10/29/2012 14:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD54D

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 65 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 850 | 20 | 10 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 330 | 50 | 10 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 12 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-54D Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833162**
**LLI Group # 1344092**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2012 13:45 by TEH

Submitted: 10/23/2012 09:25
Reported: 10/29/2012 14:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD54D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T122991AA | 10/25/2012 16:20 | Linda C Pape | 1 |
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T123001AA | 10/26/2012 20:36 | Linda C Pape | 10 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122981AA | 10/24/2012 15:56 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122981AA | 10/24/2012 15:56 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T122991AA | 10/25/2012 16:20 | Linda C Pape | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 3 | T123001AA | 10/26/2012 20:36 | Linda C Pape | 10 |

**Sample Description: MW-57I Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833163**
**LLI Group # 1344092**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2012 15:37 by TEH

Submitted: 10/23/2012 09:25
Reported: 10/29/2012 14:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD57I

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 100 | 100 | 5 |
| 10903 | Benzene | 71-43-2 | < 25 | 25 | 5 |
| 10903 | Bromodichloromethane | 75-27-4 | < 25 | 25 | 5 |
| 10903 | Bromoform | 75-25-2 | < 25 | 25 | 5 |
| 10903 | Bromomethane | 74-83-9 | < 25 | 25 | 5 |
| 10903 | 2-Butanone | 78-93-3 | < 50 | 50 | 5 |
| 10903 | Carbon Disulfide | 75-15-0 | < 25 | 25 | 5 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 25 | 25 | 5 |
| 10903 | Chlorobenzene | 108-90-7 | < 25 | 25 | 5 |
| 10903 | Chloroethane | 75-00-3 | < 25 | 25 | 5 |
| 10903 | Chloroform | 67-66-3 | < 25 | 25 | 5 |
| 10903 | Chloromethane | 74-87-3 | < 25 | 25 | 5 |
| 10903 | Dibromochloromethane | 124-48-1 | < 25 | 25 | 5 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 560 | 25 | 5 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 25 | 25 | 5 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 3,600 | 100 | 50 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 25 | 25 | 5 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 25 | 25 | 5 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 25 | 25 | 5 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 25 | 25 | 5 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 25 | 25 | 5 |
| 10903 | Ethylbenzene | 100-41-4 | < 25 | 25 | 5 |
| 10903 | 2-Hexanone | 591-78-6 | < 50 | 50 | 5 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 50 | 50 | 5 |
| 10903 | Methylene Chloride | 75-09-2 | < 25 | 25 | 5 |
| 10903 | Styrene | 100-42-5 | < 25 | 25 | 5 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 25 | 25 | 5 |
| 10903 | Tetrachloroethene | 127-18-4 | < 25 | 25 | 5 |
| 10903 | Toluene | 108-88-3 | < 25 | 25 | 5 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 1,900 | 250 | 50 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 25 | 25 | 5 |
| 10903 | Trichloroethene | 79-01-6 | < 25 | 25 | 5 |
| 10903 | Vinyl Chloride | 75-01-4 | < 10 | 10 | 5 |
| 10903 | Xylene (Total) | 1330-20-7 | < 25 | 25 | 5 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 34 | 20 | 10 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-57I Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833163**
**LLI Group # 1344092**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2012 15:37 by TEH

Submitted: 10/23/2012 09:25
Reported: 10/29/2012 14:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD57I

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T122991AA | 10/25/2012 21:08 | Linda C Pape | 5 |
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T122991AA | 10/25/2012 21:32 | Linda C Pape | 50 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122981AA | 10/24/2012 16:55 | Jason M Long | 10 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122981AA | 10/24/2012 16:55 | Jason M Long | 10 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T122991AA | 10/25/2012 21:08 | Linda C Pape | 5 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 3 | T122991AA | 10/25/2012 21:32 | Linda C Pape | 50 |

**Sample Description: MW-8 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833164**
**LLI Group # 1344092**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2012 16:42 by TEH

Submitted: 10/23/2012 09:25
Reported: 10/29/2012 14:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADJ08

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 6 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-8 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833164**
**LLI Group # 1344092**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2012 16:42 by TEH

Submitted: 10/23/2012 09:25
Reported: 10/29/2012 14:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADJ08

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T122991AA | 10/25/2012 16:44 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122981AA | 10/24/2012 12:38 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122981AA | 10/24/2012 12:38 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T122991AA | 10/25/2012 16:44 | Linda C Pape | 1 |

**Sample Description: MW-59I Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833165**
**LLI Group # 1344092**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2012 17:47 by TEH

Submitted: 10/23/2012 09:25
Reported: 10/29/2012 14:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADJ59

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-59I Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833165**
**LLI Group # 1344092**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2012 17:47 by TEH

Submitted: 10/23/2012 09:25
Reported: 10/29/2012 14:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADJ59

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T122991AA | 10/25/2012 17:08 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122981AA | 10/24/2012 13:56 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122981AA | 10/24/2012 13:56 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T122991AA | 10/25/2012 17:08 | Linda C Pape | 1 |

**Sample Description: EB-1 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833166**
**LLI Group # 1344092**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2012 10:20 by TEH

Submitted: 10/23/2012 09:25
Reported: 10/29/2012 14:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADJEB

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: EB-1 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833166**
**LLI Group # 1344092**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2012 10:20 by TEH

Submitted: 10/23/2012 09:25
Reported: 10/29/2012 14:19

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADJEB

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T122991AA | 10/25/2012 17:32 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122991AA | 10/25/2012 11:25 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122991AA | 10/25/2012 11:25 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T122991AA | 10/25/2012 17:32 | Linda C Pape | 1 |

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1344092
Reported: 10/29/12 at 02:19 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

## Laboratory Compliance Quality Control

| Analysis Name | Blank Result | Blank LOQ | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: E122981AA | Sample number(s): 6833152-6833165 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 82 | | 80-123 | | |
| Batch number: E122991AA | Sample number(s): 6833166 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 85 | | 80-123 | | |
| Batch number: T122991AA | Sample number(s): 6833152-6833166 | | | | | | | |
| Acetone | < 20 | 20. | ug/l | 107 | | 49-234 | | |
| Benzene | < 5 | 5. | ug/l | 107 | | 77-121 | | |
| Bromodichloromethane | < 5 | 5. | ug/l | 105 | | 73-120 | | |
| Bromoform | < 5 | 5. | ug/l | 93 | | 61-120 | | |
| Bromomethane | < 5 | 5. | ug/l | 94 | | 44-120 | | |
| 2-Butanone | < 10 | 10. | ug/l | 99 | | 53-155 | | |
| Carbon Disulfide | < 5 | 5. | ug/l | 104 | | 62-125 | | |
| Carbon Tetrachloride | < 5 | 5. | ug/l | 111 | | 67-122 | | |
| Chlorobenzene | < 5 | 5. | ug/l | 104 | | 80-120 | | |
| Chloroethane | < 5 | 5. | ug/l | 100 | | 49-129 | | |
| Chloroform | < 5 | 5. | ug/l | 101 | | 77-122 | | |
| Chloromethane | < 5 | 5. | ug/l | 94 | | 60-129 | | |
| Dibromochloromethane | < 5 | 5. | ug/l | 114 | | 72-120 | | |
| 1,1-Dichloroethane | < 5 | 5. | ug/l | 109 | | 79-120 | | |
| 1,2-Dichloroethane | < 5 | 5. | ug/l | 104 | | 64-130 | | |
| 1,1-Dichloroethene | < 2 | 2. | ug/l | 111 | | 76-124 | | |
| cis-1,2-Dichloroethene | < 5 | 5. | ug/l | 107 | | 80-120 | | |
| trans-1,2-Dichloroethene | < 5 | 5. | ug/l | 107 | | 80-120 | | |
| 1,2-Dichloropropane | < 5 | 5. | ug/l | 107 | | 80-120 | | |
| cis-1,3-Dichloropropene | < 5 | 5. | ug/l | 112 | | 78-120 | | |
| trans-1,3-Dichloropropene | < 5 | 5. | ug/l | 105 | | 73-120 | | |
| Ethylbenzene | < 5 | 5. | ug/l | 101 | | 79-120 | | |
| 2-Hexanone | < 10 | 10. | ug/l | 78 | | 53-139 | | |
| 4-Methyl-2-pentanone | < 10 | 10. | ug/l | 91 | | 58-133 | | |
| Methylene Chloride | < 5 | 5. | ug/l | 100 | | 84-118 | | |
| Styrene | < 5 | 5. | ug/l | 103 | | 77-120 | | |
| 1,1,2,2-Tetrachloroethane | < 5 | 5. | ug/l | 96 | | 75-123 | | |
| Tetrachloroethene | < 5 | 5. | ug/l | 106 | | 79-120 | | |
| Toluene | < 5 | 5. | ug/l | 109 | | 79-120 | | |
| 1,1,1-Trichloroethane | < 5 | 5. | ug/l | 109 | | 66-126 | | |
| 1,1,2-Trichloroethane | < 5 | 5. | ug/l | 105 | | 80-120 | | |
| Trichloroethene | < 5 | 5. | ug/l | 110 | | 80-120 | | |
| Vinyl Chloride | < 2 | 2. | ug/l | 93 | | 56-123 | | |
| Xylene (Total) | < 5 | 5. | ug/l | 104 | | 77-120 | | |
| Batch number: T123001AA | Sample number(s): 6833159,6833161-6833162 | | | | | | | |
| 1,1-Dichloroethene | < 2 | 2. | ug/l | 107 | | 76-124 | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1344092
Reported: 10/29/12 at 02:19 PM

| Analysis Name | Blank Result | Blank LOQ | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | < 5 | 5. | ug/l | 119 | | 66-126 | | |

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| Batch number: E122981AA | Sample number(s): 6833152-6833165 UNSPK: P830621 | | | | | | | | |
| 1,4-Dioxane | 99 | 86 | 73-138 | 9 | 30 | | | | |
| Batch number: E122991AA | Sample number(s): 6833166 UNSPK: P831347 | | | | | | | | |
| 1,4-Dioxane | 80 | 83 | 73-138 | 3 | 30 | | | | |
| Batch number: T122991AA | Sample number(s): 6833152-6833166 UNSPK: 6833153 | | | | | | | | |
| Acetone | 129 | 110 | 33-159 | 16 | 30 | | | | |
| Benzene | 111 | 114 | 72-134 | 3 | 30 | | | | |
| Bromodichloromethane | 110 | 113 | 78-125 | 2 | 30 | | | | |
| Bromoform | 91 | 92 | 48-118 | 1 | 30 | | | | |
| Bromomethane | 102 | 103 | 47-129 | 1 | 30 | | | | |
| 2-Butanone | 119 | 112 | 57-138 | 6 | 30 | | | | |
| Carbon Disulfide | 112 | 111 | 67-135 | 1 | 30 | | | | |
| Carbon Tetrachloride | 122 | 122 | 72-135 | 0 | 30 | | | | |
| Chlorobenzene | 107 | 107 | 87-124 | 1 | 30 | | | | |
| Chloroethane | 110 | 110 | 51-145 | 0 | 30 | | | | |
| Chloroform | 106 | 105 | 81-134 | 1 | 30 | | | | |
| Chloromethane | 104 | 110 | 46-137 | 6 | 30 | | | | |
| Dibromochloromethane | 112 | 111 | 74-116 | 1 | 30 | | | | |
| 1,1-Dichloroethane | 114 | 114 | 84-129 | 0 | 30 | | | | |
| 1,2-Dichloroethane | 108 | 109 | 68-131 | 1 | 30 | | | | |
| 1,1-Dichloroethene | 106 (2) | 89 (2) | 85-142 | 2 | 30 | | | | |
| cis-1,2-Dichloroethene | 109 | 112 | 85-125 | 3 | 30 | | | | |
| trans-1,2-Dichloroethene | 115 | 115 | 87-126 | 1 | 30 | | | | |
| 1,2-Dichloropropane | 111 | 112 | 83-124 | 1 | 30 | | | | |
| cis-1,3-Dichloropropene | 113 | 114 | 70-116 | 1 | 30 | | | | |
| trans-1,3-Dichloropropene | 104 | 104 | 74-119 | 0 | 30 | | | | |
| Ethylbenzene | 106 | 108 | 71-134 | 2 | 30 | | | | |
| 2-Hexanone | 92 | 90 | 55-127 | 2 | 30 | | | | |
| 4-Methyl-2-pentanone | 92 | 91 | 63-123 | 1 | 30 | | | | |
| Methylene Chloride | 104 | 105 | 78-133 | 1 | 30 | | | | |
| Styrene | 105 | 104 | 78-125 | 1 | 30 | | | | |
| 1,1,2,2-Tetrachloroethane | 93 | 95 | 72-128 | 2 | 30 | | | | |
| Tetrachloroethene | 119 | 120 | 80-128 | 1 | 30 | | | | |
| Toluene | 113 | 111 | 80-125 | 2 | 30 | | | | |
| 1,1,1-Trichloroethane | 118 | 119 | 69-140 | 1 | 30 | | | | |
| 1,1,2-Trichloroethane | 103 | 103 | 77-124 | 0 | 30 | | | | |
| Trichloroethene | 118 | 120 | 88-133 | 2 | 30 | | | | |
| Vinyl Chloride | 107 | 108 | 66-133 | 1 | 30 | | | | |
| Xylene (Total) | 108 | 108 | 79-125 | 0 | 30 | | | | |
| Batch number: T123001AA | Sample number(s): 6833159,6833161-6833162 UNSPK: P833182 | | | | | | | | |
| 1,1-Dichloroethene | 119 | 119 | 85-142 | 0 | 30 | | | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1344092
Reported: 10/29/12 at 02:19 PM

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 129 | 129 | 69-140 | 0 | 30 | | | | |

## Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed
unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E122981AA

| | Toluene-d8 |
|---|---|
| 6833152 | 99 |
| 6833153 | 99 |
| 6833154 | 99 |
| 6833155 | 98 |
| 6833156 | 99 |
| 6833157 | 99 |
| 6833158 | 99 |
| 6833159 | 99 |
| 6833160 | 99 |
| 6833161 | 99 |
| 6833162 | 99 |
| 6833163 | 100 |
| 6833164 | 99 |
| 6833165 | 99 |
| Blank | 100 |
| LCS | 99 |
| MS | 99 |
| MSD | 99 |
| Limits: | 80-120 |

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E122991AA

| | Toluene-d8 |
|---|---|
| 6833166 | 100 |
| Blank | 100 |
| LCS | 100 |
| MS | 100 |
| MSD | 100 |
| Limits: | 80-120 |

Analysis Name: 8260 Std. Water Master
Batch number: T122991AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| 6833152 | 100 | 101 | 101 | 98 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1344092
Reported: 10/29/12 at 02:19 PM

## Surrogate Quality Control

| | | | | |
|---|---|---|---|---|
| 6833153 | 101 | 101 | 103 | 102 |
| 6833154 | 99 | 102 | 100 | 100 |
| 6833155 | 102 | 100 | 104 | 102 |
| 6833156 | 101 | 102 | 100 | 100 |
| 6833157 | 112 | 98 | 103 | 102 |
| 6833158 | 102 | 100 | 103 | 101 |
| 6833159 | 103 | 100 | 103 | 102 |
| 6833160 | 105 | 99 | 103 | 101 |
| 6833161 | 103 | 100 | 102 | 101 |
| 6833162 | 106 | 98 | 104 | 103 |
| 6833163 | 106 | 102 | 105 | 103 |
| 6833164 | 103 | 99 | 101 | 100 |
| 6833165 | 105 | 98 | 104 | 102 |
| 6833166 | 104 | 101 | 100 | 100 |
| Blank | 102 | 99 | 102 | 100 |
| LCS | 98 | 99 | 101 | 103 |
| MS | 100 | 101 | 103 | 102 |
| MSD | 99 | 100 | 101 | 101 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

Analysis Name: 8260 Std. Water Master
Batch number: T123001AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| Blank | 104 | 104 | 102 | 98 |
| LCS | 104 | 103 | 104 | 105 |
| MS | 102 | 97 | 105 | 105 |
| MSD | 102 | 99 | 105 | 105 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Environmental Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

For Eurofins Lancaster Laboratories use only
Acct. # 06556 Group # 1344092 Sample # 6833152-66
Instructions on reverse side correspond with circled numbers.

**COC # 315059**

**1 Client Information**

| | |
|---|---|
| Client: The Johnson Co. | Acct. #: 06556 |
| Project Name/#: AD-GA / 1-0145-4 | PWSID #: |
| Project Manager: Glen Kirkpatrick | P.O. #: 1-0145-4 |
| Sampler: TEH | Quote #: |

Name of state where samples were collected: GA

**4 Matrix**: Sediment ☐ Soil ☐ | Water: Ground ☒ Potable ☐ NPDES ☐ Surface ☐ | Other: DI $H_2O$

**5 Analysis Requested**

Preservation Codes: - | H

| 2 Sample Identification | Collected Date | Collected Time | 3 Grab | Composite | Total # of Containers | 8260 | 1,4 Dioxane ISO Dil SIM |
|---|---|---|---|---|---|---|---|
| TB - TEH | 10/20/12 | — | X | | 4 | 2 | 2 |
| BR - 6 | | | X | | 6 | 3 | 3 |
| MW - 9 | | 1240 | X | | 6 | 3 | 3 |
| MW - 55D | | 1357 | X | | 6 | 3 | 3 |
| BR - 18 | | 1812 | X | | 6 | 3 | 3 |
| MW - 57D | | 1747 | X | | 6 | 3 | 3 |
| BR - 21D | 10/21/12 | 1022 | X | | 6 | 3 | 3 |
| BR - 21 | | 1137 | X | | 6 | 3 | 3 |
| DP - 1 | | 1200 | X | | 6 | 3 | 3 |
| MW - 42 | | 1227 | X | | 6 | 3 | 3 |

For Lab Use Only
FSC:
SCR#:

**Preservation Codes**
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

**6 Remarks**
Please use a PQL of 2 µg/L for Vinyl Chloride

**7 Turnaround Time (TAT) Requested** (please circle)
Standard Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)

Date results are needed: —

E-mail address: GAK@jcomail.com

**8 Data Package Options** (circle if required)
Type I (Validation/non-CLP) Type VI (Raw Data Only)
Type III (Reduced non-CLP) TX TRRP-13
Type IV (CLP SOW) MA MCP CT RCP

| Relinquished by | Date | Time | Received by | Date | Time |
|---|---|---|---|---|---|
| | 10/22/12 | 1500 | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | Greg Geblum | 10/23/12 | 0925 |

**9**

EDD Required? (Yes) No
If yes, format: Excel

Site-Specific QC (MS/MSD/Dup)? (Yes) No
(If yes, indicate QC sample and submit triplicate sample volume.)

Relinquished by Commercial Carrier:
UPS ____ FedEx ✓ ____ Other ____

Temperature upon receipt 2.1 °C

# Environmental Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

For Eurofins Lancaster Laboratories use only
Acct. # 6556 Group # 1344092 Sample # 6833152-66
Instructions on reverse side correspond with circled numbers.

**COC # 315060**

**1 Client Information**

| | |
|---|---|
| Client: The Johnson Co. | Acct. #: 06556 |
| Project Name/#: AD-GA / 1-0145-4 | PWSID #: |
| Project Manager: Glen Kirkpatrick | P.O. #: 1-0145-4 |
| Sampler: TEH | Quote #: |

Name of state where samples were collected: GA

**4 Matrix**: Sediment ☐ Soil ☐ | Ground ☒ Potable ☐ Surface ☐ NPDES ☐ Water | Other: DI H2O

**5 Analysis Requested**

Preservation Codes: — | H

| 2 Sample Identification | Collected Date | Collected Time | 3 Grab | 3 Composite | Total # of Containers | 8260 | 1,4 Dioxane 1,30 Dil SIM |
|---|---|---|---|---|---|---|---|
| MW-54D | 10/21/12 | 1345 | X | | 6 | 3 | 3 |
| MW-57I | | 1537 | X | | 6 | 3 | 3 |
| MW-8 | | 1642 | X | | 6 | 3 | 3 |
| MW-59I | | 1747 | X | | 6 | 3 | 3 |
| EB-1 | 10/22/12 | 1020 | X | | 6 | 3 | 3 |

For Lab Use Only
FSC:
SCR#:

**Preservation Codes**
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

**6 Remarks**
Please use a PQL of 2 µg/L for Vinyl Chloride

**7 Turnaround Time (TAT) Requested** (please circle)
(Standard) Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)

Date results are needed: —

E-mail address: GAK@jcomail.com

**8 Data Package Options** (circle if required)
Type I (Validation/non-CLP) Type VI (Raw Data Only)
Type III (Reduced non-CLP) TX TRRP-13
Type IV (CLP SOW) MA MCP CT RCP

| Relinquished by | Date | Time | Received by | Date | Time |
|---|---|---|---|---|---|
| | 10/22/12 | 1500 | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | Greg Cahill | 10/23/12 | 0925 |

**9**

EDD Required? (Yes) No
If yes, format: Excel

Site-Specific QC (MS/MSD/Dup)? (Yes) No
(If yes, indicate QC sample and submit triplicate sample volume.)

Relinquished by Commercial Carrier:
UPS ____ FedEx ✓ Other ____

Temperature upon receipt 2.1 °C

eurofins | Lancaster Laboratories

G-1344092

# Environmental Sample Administration Receipt Documentation Log

**Client/Project:** The Johnson Co.

**Date of Receipt:** 10/23/12

**Time of Receipt:** 0925

**Source Code:** 50-1

**Shipping Container Sealed:** (YES) NO

**Custody Seal Present * :** (YES) NO

* Custody seal was intact unless otherwise noted in the discrepancy section

**Package:** (Chilled) Not Chilled

| Temperature of Shipping Containers | | | | | | | |
|---|---|---|---|---|---|---|---|
| Cooler # | Thermometer ID | Temperature (°C) | Temp Bottle (TB) or Surface Temp (ST) | Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP) | Ice Present? Y/N | Loose (L) Bagged Ice (B) or NA | Comments |
| 1 | 2737 | 1.5 | TB | WI | Y | B | |
| 2 | ↓ | 2.1 | ↓ | ↓ | ↓ | ↓ | |
| 3 | ↓ | 2.8 | ↓ | ↓ | ↓ | ↓ | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |

**Number of Trip Blanks received NOT listed on chain of custody:** Ø

**Paperwork Discrepancy/Unpacking Problems:**

**Unpacker Signature/Emp#:** Kelly Cahill 3647 **Date/Time:** 10/23/12 1130

Issued by Dept. 6042 Management

2174.06

# Explanation of Symbols and Abbreviations

*The following defines common symbols and abbreviations used in reporting technical data:*

| | | | |
|---|---|---|---|
| **RL** | Reporting Limit | **BMQL** | Below Minimum Quantitation Level |
| **N.D.** | none detected | **MPN** | Most Probable Number |
| **TNTC** | Too Numerous To Count | **CP Units** | cobalt-chloroplatinate units |
| **IU** | International Units | **NTU** | nephelometric turbidity units |
| **umhos/cm** | micromhos/cm | **ng** | nanogram(s) |
| **C** | degrees Celsius | **F** | degrees Fahrenheit |
| **meq** | milliequivalents | **lb.** | pound(s) |
| **g** | gram(s) | **kg** | kilogram(s) |
| **µg** | microgram(s) | **mg** | milligram(s) |
| **mL** | milliliter(s) | **L** | liter(s) |
| **m3** | cubic meter(s) | **µL** | microliter(s) |
| | | **pg/L** | picogram/liter |

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**J** estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

*U.S. EPA CLP Data Qualifiers:*

**Organic Qualifiers**

| | |
|---|---|
| **A** | TIC is a possible aldol-condensation product |
| **B** | Analyte was also detected in the blank |
| **C** | Pesticide result confirmed by GC/MS |
| **D** | Compound quantitated on a diluted sample |
| **E** | Concentration exceeds the calibration range of the instrument |
| **N** | Presumptive evidence of a compound (TICs only) |
| **P** | Concentration difference between primary and confirmation columns >25% |
| **U** | Compound was not detected |
| **X,Y,Z** | Defined in case narrative |

**Inorganic Qualifiers**

| | |
|---|---|
| **B** | Value is <CRDL, but ≥IDL |
| **E** | Estimated due to interference |
| **M** | Duplicate injection precision not met |
| **N** | Spike sample not within control limits |
| **S** | Method of standard additions (MSA) used for calculation |
| **U** | Compound was not detected |
| **W** | Post digestion spike out of control limits |
| ***** | Duplicate analysis not within control limits |
| **+** | Correlation coefficient for MSA <0.995 |

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

October 27, 2012

Project: Avery Dennison / Flowery Branch, GA

Submittal Date: 10/23/2012
Group Number: 1344093
PO Number: 1-0145-4
State of Sample Origin: GA

| Client Sample Description | Lancaster Labs (LLI) # |
|---|---|
| TB-RJP102012 Water | 6833167 |
| MW-49D Grab Groundwater | 6833168 |
| MW-14 Grab Groundwater | 6833169 |
| BR-16 Grab Groundwater | 6833170 |
| MW-17 Grab Groundwater | 6833171 |
| MW-37 Grab Groundwater | 6833172 |
| MW-20D Grab Groundwater | 6833173 |
| BR-7 Grab Groundwater | 6833174 |
| BR-22D Grab Groundwater | 6833175 |
| BR-22S Grab Groundwater | 6833176 |
| MW-62 Grab Groundwater | 6833177 |
| MW-28 Grab Groundwater | 6833178 |

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO The Johnson Company, Inc. Attn: Glen Kirkpatrick

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 •717-656-2300 Fax:717-656-2681• www.lancasterlabs.com

Respectfully Submitted,



Wendy A. Kozma
Principal Specialist Group Leader

(717) 556-7257

**Sample Description: TB-RJP102012 Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833167**
**LLI Group # 1344093**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2012

Submitted: 10/23/2012 09:25
Reported: 10/27/2012 18:02

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADGTB

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

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2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

# Analysis Report

**Sample Description: TB-RJP102012 Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833167**
**LLI Group # 1344093**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2012

Submitted: 10/23/2012 09:25
Reported: 10/27/2012 18:02

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADGTB

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T122991AA | 10/25/2012 12:20 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122991AA | 10/25/2012 11:45 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122991AA | 10/25/2012 11:45 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T122991AA | 10/25/2012 12:20 | Linda C Pape | 1 |

**Sample Description: MW-49D Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833168**
**LLI Group # 1344093**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2012 10:05 by RP

Submitted: 10/23/2012 09:25
Reported: 10/27/2012 18:02

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADG49

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-49D Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833168**
**LLI Group # 1344093**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2012 10:05 by RP

Submitted: 10/23/2012 09:25
Reported: 10/27/2012 18:02

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADG49

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T122991AA | 10/25/2012 17:56 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122991AA | 10/25/2012 12:05 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122991AA | 10/25/2012 12:05 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T122991AA | 10/25/2012 17:56 | Linda C Pape | 1 |

**Sample Description: MW-14 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833169**
**LLI Group # 1344093**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2012 11:50 by RP

Submitted: 10/23/2012 09:25
Reported: 10/27/2012 18:02

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADG14

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-14 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833169**
**LLI Group # 1344093**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2012 11:50 by RP

Submitted: 10/23/2012 09:25
Reported: 10/27/2012 18:02

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADG14

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T122991AA | 10/25/2012 18:20 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122991AA | 10/25/2012 12:24 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122991AA | 10/25/2012 12:24 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T122991AA | 10/25/2012 18:20 | Linda C Pape | 1 |

**Sample Description: BR-16 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833170**
**LLI Group # 1344093**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2012 14:49 by RP

Submitted: 10/23/2012 09:25
Reported: 10/27/2012 18:02

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADG16

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: BR-16 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833170**
**LLI Group # 1344093**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2012 14:49 by RP

Submitted: 10/23/2012 09:25
Reported: 10/27/2012 18:02

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADG16

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T122991AA | 10/25/2012 18:44 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122991AA | 10/25/2012 12:44 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122991AA | 10/25/2012 12:44 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T122991AA | 10/25/2012 18:44 | Linda C Pape | 1 |

**Sample Description: MW-17 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833171**
**LLI Group # 1344093**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2012 16:00 by RP

Submitted: 10/23/2012 09:25
Reported: 10/27/2012 18:02

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADG17

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 14 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 8 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 7 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-17 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833171**
**LLI Group # 1344093**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2012 16:00 by RP

Submitted: 10/23/2012 09:25
Reported: 10/27/2012 18:02

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADG17

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T122991AA | 10/25/2012 19:08 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122991AA | 10/25/2012 13:04 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122991AA | 10/25/2012 13:04 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T122991AA | 10/25/2012 19:08 | Linda C Pape | 1 |

**Sample Description: MW-37 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833172**
**LLI Group # 1344093**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2012 17:35 by RP

Submitted: 10/23/2012 09:25
Reported: 10/27/2012 18:02

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADG37

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 44 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 150 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 51 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-37 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833172**
**LLI Group # 1344093**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2012 17:35 by RP

Submitted: 10/23/2012 09:25
Reported: 10/27/2012 18:02

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADG37

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T123001AA | 10/26/2012 12:38 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122991AA | 10/25/2012 17:21 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122991AA | 10/25/2012 17:21 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T123001AA | 10/26/2012 12:38 | Linda C Pape | 1 |

**Sample Description: MW-20D Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833173**
**LLI Group # 1344093**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2012 10:40 by RP

Submitted: 10/23/2012 09:25
Reported: 10/27/2012 18:02

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADG20

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-20D Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833173**
**LLI Group # 1344093**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2012 10:40 by RP

Submitted: 10/23/2012 09:25
Reported: 10/27/2012 18:02

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADG20

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T123001AA | 10/26/2012 13:03 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122991AA | 10/25/2012 17:02 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122991AA | 10/25/2012 17:02 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T123001AA | 10/26/2012 13:03 | Linda C Pape | 1 |

**Sample Description: BR-7 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833174**
**LLI Group # 1344093**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2012 12:20 by RP

Submitted: 10/23/2012 09:25
Reported: 10/27/2012 18:02

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADG07

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: BR-7 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833174**
**LLI Group # 1344093**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2012 12:20 by RP

Submitted: 10/23/2012 09:25
Reported: 10/27/2012 18:02

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADG07

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T123001AA | 10/26/2012 13:27 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122991AA | 10/25/2012 13:23 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122991AA | 10/25/2012 13:23 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T123001AA | 10/26/2012 13:27 | Linda C Pape | 1 |

**Sample Description: BR-22D Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833175**
**LLI Group # 1344093**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2012 15:05 by RP

Submitted: 10/23/2012 09:25
Reported: 10/27/2012 18:02

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD22D

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: BR-22D Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833175**
**LLI Group # 1344093**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2012 15:05 by RP

Submitted: 10/23/2012 09:25
Reported: 10/27/2012 18:02

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD22D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T123001AA | 10/26/2012 13:51 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122991AA | 10/25/2012 13:43 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122991AA | 10/25/2012 13:43 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T123001AA | 10/26/2012 13:51 | Linda C Pape | 1 |

**Sample Description: BR-22S Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833176**
**LLI Group # 1344093**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2012 16:17 by RP

Submitted: 10/23/2012 09:25
Reported: 10/27/2012 18:02

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD22S

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: BR-22S Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833176**
**LLI Group # 1344093**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2012 16:17 by RP

Submitted: 10/23/2012 09:25
Reported: 10/27/2012 18:02

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AD22S

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T123001AA | 10/26/2012 14:15 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122991AA | 10/25/2012 14:03 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122991AA | 10/25/2012 14:03 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T123001AA | 10/26/2012 14:15 | Linda C Pape | 1 |

**Sample Description: MW-62 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833177**
**LLI Group # 1344093**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2012 17:00 by RP

Submitted: 10/23/2012 09:25
Reported: 10/27/2012 18:02

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADG62

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-62 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833177**
**LLI Group # 1344093**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2012 17:00 by RP

Submitted: 10/23/2012 09:25
Reported: 10/27/2012 18:02

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADG62

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T123001AA | 10/26/2012 14:39 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122991AA | 10/25/2012 14:23 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122991AA | 10/25/2012 14:23 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T123001AA | 10/26/2012 14:39 | Linda C Pape | 1 |

**Sample Description: MW-28 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833178**
**LLI Group # 1344093**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2012 17:45 by RP

Submitted: 10/23/2012 09:25
Reported: 10/27/2012 18:02

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADG28

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-28 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833178**
**LLI Group # 1344093**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2012 17:45 by RP

Submitted: 10/23/2012 09:25
Reported: 10/27/2012 18:02

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

ADG28

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T123001AA | 10/26/2012 15:02 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122991AA | 10/25/2012 14:43 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122991AA | 10/25/2012 14:43 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T123001AA | 10/26/2012 15:02 | Linda C Pape | 1 |

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1344093
Reported: 10/27/12 at 06:02 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

## Laboratory Compliance Quality Control

| Analysis Name | Blank Result | Blank LOQ | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: E122991AA | Sample number(s): 6833167-6833178 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 85 | | 80-123 | | |
| Batch number: T122991AA | Sample number(s): 6833167-6833171 | | | | | | | |
| Acetone | < 20 | 20. | ug/l | 107 | | 49-234 | | |
| Benzene | < 5 | 5. | ug/l | 107 | | 77-121 | | |
| Bromodichloromethane | < 5 | 5. | ug/l | 105 | | 73-120 | | |
| Bromoform | < 5 | 5. | ug/l | 93 | | 61-120 | | |
| Bromomethane | < 5 | 5. | ug/l | 94 | | 44-120 | | |
| 2-Butanone | < 10 | 10. | ug/l | 99 | | 53-155 | | |
| Carbon Disulfide | < 5 | 5. | ug/l | 104 | | 62-125 | | |
| Carbon Tetrachloride | < 5 | 5. | ug/l | 111 | | 67-122 | | |
| Chlorobenzene | < 5 | 5. | ug/l | 104 | | 80-120 | | |
| Chloroethane | < 5 | 5. | ug/l | 100 | | 49-129 | | |
| Chloroform | < 5 | 5. | ug/l | 101 | | 77-122 | | |
| Chloromethane | < 5 | 5. | ug/l | 94 | | 60-129 | | |
| Dibromochloromethane | < 5 | 5. | ug/l | 114 | | 72-120 | | |
| 1,1-Dichloroethane | < 5 | 5. | ug/l | 109 | | 79-120 | | |
| 1,2-Dichloroethane | < 5 | 5. | ug/l | 104 | | 64-130 | | |
| 1,1-Dichloroethene | < 2 | 2. | ug/l | 111 | | 76-124 | | |
| cis-1,2-Dichloroethene | < 5 | 5. | ug/l | 107 | | 80-120 | | |
| trans-1,2-Dichloroethene | < 5 | 5. | ug/l | 107 | | 80-120 | | |
| 1,2-Dichloropropane | < 5 | 5. | ug/l | 107 | | 80-120 | | |
| cis-1,3-Dichloropropene | < 5 | 5. | ug/l | 112 | | 78-120 | | |
| trans-1,3-Dichloropropene | < 5 | 5. | ug/l | 105 | | 73-120 | | |
| Ethylbenzene | < 5 | 5. | ug/l | 101 | | 79-120 | | |
| 2-Hexanone | < 10 | 10. | ug/l | 78 | | 53-139 | | |
| 4-Methyl-2-pentanone | < 10 | 10. | ug/l | 91 | | 58-133 | | |
| Methylene Chloride | < 5 | 5. | ug/l | 100 | | 84-118 | | |
| Styrene | < 5 | 5. | ug/l | 103 | | 77-120 | | |
| 1,1,2,2-Tetrachloroethane | < 5 | 5. | ug/l | 96 | | 75-123 | | |
| Tetrachloroethene | < 5 | 5. | ug/l | 106 | | 79-120 | | |
| Toluene | < 5 | 5. | ug/l | 109 | | 79-120 | | |
| 1,1,1-Trichloroethane | < 5 | 5. | ug/l | 109 | | 66-126 | | |
| 1,1,2-Trichloroethane | < 5 | 5. | ug/l | 105 | | 80-120 | | |
| Trichloroethene | < 5 | 5. | ug/l | 110 | | 80-120 | | |
| Vinyl Chloride | < 2 | 2. | ug/l | 93 | | 56-123 | | |
| Xylene (Total) | < 5 | 5. | ug/l | 104 | | 77-120 | | |
| Batch number: T123001AA | Sample number(s): 6833172-6833178 | | | | | | | |
| Acetone | < 20 | 20. | ug/l | 94 | | 49-234 | | |
| Benzene | < 5 | 5. | ug/l | 107 | | 77-121 | | |
| Bromodichloromethane | < 5 | 5. | ug/l | 115 | | 73-120 | | |
| Bromoform | < 5 | 5. | ug/l | 93 | | 61-120 | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1344093
Reported: 10/27/12 at 06:02 PM

| Analysis Name | Blank Result | Blank LOQ | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Bromomethane | < 5 | 5. | ug/l | 100 | | 44-120 | | |
| 2-Butanone | < 10 | 10. | ug/l | 102 | | 53-155 | | |
| Carbon Disulfide | < 5 | 5. | ug/l | 103 | | 62-125 | | |
| Carbon Tetrachloride | < 5 | 5. | ug/l | 119 | | 67-122 | | |
| Chlorobenzene | < 5 | 5. | ug/l | 104 | | 80-120 | | |
| Chloroethane | < 5 | 5. | ug/l | 107 | | 49-129 | | |
| Chloroform | < 5 | 5. | ug/l | 107 | | 77-122 | | |
| Chloromethane | < 5 | 5. | ug/l | 101 | | 60-129 | | |
| Dibromochloromethane | < 5 | 5. | ug/l | 113 | | 72-120 | | |
| 1,1-Dichloroethane | < 5 | 5. | ug/l | 115 | | 79-120 | | |
| 1,2-Dichloroethane | < 5 | 5. | ug/l | 118 | | 64-130 | | |
| 1,1-Dichloroethene | < 2 | 2. | ug/l | 107 | | 76-124 | | |
| cis-1,2-Dichloroethene | < 5 | 5. | ug/l | 105 | | 80-120 | | |
| trans-1,2-Dichloroethene | < 5 | 5. | ug/l | 104 | | 80-120 | | |
| 1,2-Dichloropropane | < 5 | 5. | ug/l | 114 | | 80-120 | | |
| cis-1,3-Dichloropropene | < 5 | 5. | ug/l | 113 | | 78-120 | | |
| trans-1,3-Dichloropropene | < 5 | 5. | ug/l | 108 | | 73-120 | | |
| Ethylbenzene | < 5 | 5. | ug/l | 101 | | 79-120 | | |
| 2-Hexanone | < 10 | 10. | ug/l | 84 | | 53-139 | | |
| 4-Methyl-2-pentanone | < 10 | 10. | ug/l | 98 | | 58-133 | | |
| Methylene Chloride | < 5 | 5. | ug/l | 101 | | 84-118 | | |
| Styrene | < 5 | 5. | ug/l | 106 | | 77-120 | | |
| 1,1,2,2-Tetrachloroethane | < 5 | 5. | ug/l | 106 | | 75-123 | | |
| Tetrachloroethene | < 5 | 5. | ug/l | 99 | | 79-120 | | |
| Toluene | < 5 | 5. | ug/l | 108 | | 79-120 | | |
| 1,1,1-Trichloroethane | < 5 | 5. | ug/l | 119 | | 66-126 | | |
| 1,1,2-Trichloroethane | < 5 | 5. | ug/l | 104 | | 80-120 | | |
| Trichloroethene | < 5 | 5. | ug/l | 110 | | 80-120 | | |
| Vinyl Chloride | < 2 | 2. | ug/l | 99 | | 56-123 | | |
| Xylene (Total) | < 5 | 5. | ug/l | 103 | | 77-120 | | |

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| Batch number: E122991AA | Sample number(s): 6833167-6833178 UNSPK: P831347 | | | | | | | | |
| 1,4-Dioxane | 80 | 83 | 73-138 | 3 | 30 | | | | |
| Batch number: T122991AA | Sample number(s): 6833167-6833171 UNSPK: P833153 | | | | | | | | |
| Acetone | 129 | 110 | 33-159 | 16 | 30 | | | | |
| Benzene | 111 | 114 | 72-134 | 3 | 30 | | | | |
| Bromodichloromethane | 110 | 113 | 78-125 | 2 | 30 | | | | |
| Bromoform | 91 | 92 | 48-118 | 1 | 30 | | | | |
| Bromomethane | 102 | 103 | 47-129 | 1 | 30 | | | | |
| 2-Butanone | 119 | 112 | 57-138 | 6 | 30 | | | | |
| Carbon Disulfide | 112 | 111 | 67-135 | 1 | 30 | | | | |
| Carbon Tetrachloride | 122 | 122 | 72-135 | 0 | 30 | | | | |
| Chlorobenzene | 107 | 107 | 87-124 | 1 | 30 | | | | |
| Chloroethane | 110 | 110 | 51-145 | 0 | 30 | | | | |
| Chloroform | 106 | 105 | 81-134 | 1 | 30 | | | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1344093
Reported: 10/27/12 at 06:02 PM

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| Chloromethane | 104 | 110 | 46-137 | 6 | 30 | | | | |
| Dibromochloromethane | 112 | 111 | 74-116 | 1 | 30 | | | | |
| 1,1-Dichloroethane | 114 | 114 | 84-129 | 0 | 30 | | | | |
| 1,2-Dichloroethane | 108 | 109 | 68-131 | 1 | 30 | | | | |
| 1,1-Dichloroethene | 106 (2) | 89 (2) | 85-142 | 2 | 30 | | | | |
| cis-1,2-Dichloroethene | 109 | 112 | 85-125 | 3 | 30 | | | | |
| trans-1,2-Dichloroethene | 115 | 115 | 87-126 | 1 | 30 | | | | |
| 1,2-Dichloropropane | 111 | 112 | 83-124 | 1 | 30 | | | | |
| cis-1,3-Dichloropropene | 113 | 114 | 70-116 | 1 | 30 | | | | |
| trans-1,3-Dichloropropene | 104 | 104 | 74-119 | 0 | 30 | | | | |
| Ethylbenzene | 106 | 108 | 71-134 | 2 | 30 | | | | |
| 2-Hexanone | 92 | 90 | 55-127 | 2 | 30 | | | | |
| 4-Methyl-2-pentanone | 92 | 91 | 63-123 | 1 | 30 | | | | |
| Methylene Chloride | 104 | 105 | 78-133 | 1 | 30 | | | | |
| Styrene | 105 | 104 | 78-125 | 1 | 30 | | | | |
| 1,1,2,2-Tetrachloroethane | 93 | 95 | 72-128 | 2 | 30 | | | | |
| Tetrachloroethene | 119 | 120 | 80-128 | 1 | 30 | | | | |
| Toluene | 113 | 111 | 80-125 | 2 | 30 | | | | |
| 1,1,1-Trichloroethane | 118 | 119 | 69-140 | 1 | 30 | | | | |
| 1,1,2-Trichloroethane | 103 | 103 | 77-124 | 0 | 30 | | | | |
| Trichloroethene | 118 | 120 | 88-133 | 2 | 30 | | | | |
| Vinyl Chloride | 107 | 108 | 66-133 | 1 | 30 | | | | |
| Xylene (Total) | 108 | 108 | 79-125 | 0 | 30 | | | | |
| Batch number: T123001AA | Sample number(s): 6833172-6833178 UNSPK: P833182 | | | | | | | | |
| Acetone | 142 | 125 | 33-159 | 13 | 30 | | | | |
| Benzene | 117 | 115 | 72-134 | 1 | 30 | | | | |
| Bromodichloromethane | 120 | 115 | 78-125 | 4 | 30 | | | | |
| Bromoform | 93 | 92 | 48-118 | 2 | 30 | | | | |
| Bromomethane | 108 | 104 | 47-129 | 4 | 30 | | | | |
| 2-Butanone | 121 | 106 | 57-138 | 13 | 30 | | | | |
| Carbon Disulfide | 112 | 112 | 67-135 | 1 | 30 | | | | |
| Carbon Tetrachloride | 133 | 129 | 72-135 | 3 | 30 | | | | |
| Chlorobenzene | 108 | 109 | 87-124 | 1 | 30 | | | | |
| Chloroethane | 116 | 110 | 51-145 | 5 | 30 | | | | |
| Chloroform | 114 | 111 | 81-134 | 3 | 30 | | | | |
| Chloromethane | 110 | 109 | 46-137 | 1 | 30 | | | | |
| Dibromochloromethane | 118* | 116 | 74-116 | 2 | 30 | | | | |
| 1,1-Dichloroethane | 123 | 120 | 84-129 | 2 | 30 | | | | |
| 1,2-Dichloroethane | 125 | 122 | 68-131 | 2 | 30 | | | | |
| 1,1-Dichloroethene | 119 | 119 | 85-142 | 0 | 30 | | | | |
| cis-1,2-Dichloroethene | 111 | 110 | 85-125 | 1 | 30 | | | | |
| trans-1,2-Dichloroethene | 114 | 112 | 87-126 | 2 | 30 | | | | |
| 1,2-Dichloropropane | 120 | 117 | 83-124 | 3 | 30 | | | | |
| cis-1,3-Dichloropropene | 119* | 117* | 70-116 | 2 | 30 | | | | |
| trans-1,3-Dichloropropene | 114 | 112 | 74-119 | 2 | 30 | | | | |
| Ethylbenzene | 109 | 107 | 71-134 | 1 | 30 | | | | |
| 2-Hexanone | 99 | 95 | 55-127 | 4 | 30 | | | | |
| 4-Methyl-2-pentanone | 102 | 97 | 63-123 | 5 | 30 | | | | |
| Methylene Chloride | 105 | 105 | 78-133 | 0 | 30 | | | | |
| Styrene | 107 | 109 | 78-125 | 2 | 30 | | | | |
| 1,1,2,2-Tetrachloroethane | 104 | 100 | 72-128 | 4 | 30 | | | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1344093
Reported: 10/27/12 at 06:02 PM

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| Tetrachloroethene | 118 | 119 | 80-128 | 1 | 30 | | | | |
| Toluene | 115 | 114 | 80-125 | 1 | 30 | | | | |
| 1,1,1-Trichloroethane | 129 | 129 | 69-140 | 0 | 30 | | | | |
| 1,1,2-Trichloroethane | 110 | 104 | 77-124 | 5 | 30 | | | | |
| Trichloroethene | 119 | 116 | 88-133 | 3 | 30 | | | | |
| Vinyl Chloride | 110 | 108 | 66-133 | 1 | 30 | | | | |
| Xylene (Total) | 109 | 109 | 79-125 | 0 | 30 | | | | |

## Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed
unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E122991AA

| | Toluene-d8 |
|---|---|
| 6833167 | 100 |
| 6833168 | 100 |
| 6833169 | 99 |
| 6833170 | 100 |
| 6833171 | 99 |
| 6833172 | 99 |
| 6833173 | 99 |
| 6833174 | 100 |
| 6833175 | 99 |
| 6833176 | 100 |
| 6833177 | 99 |
| 6833178 | 99 |
| Blank | 100 |
| LCS | 100 |
| MS | 100 |
| MSD | 100 |
| Limits: | 80-120 |

Analysis Name: 8260 Std. Water Master
Batch number: T122991AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| 6833167 | 100 | 98 | 101 | 100 |
| 6833168 | 103 | 101 | 102 | 100 |
| 6833169 | 105 | 101 | 103 | 101 |
| 6833170 | 104 | 102 | 103 | 104 |
| 6833171 | 106 | 101 | 103 | 104 |
| Blank | 102 | 99 | 102 | 100 |
| LCS | 98 | 99 | 101 | 103 |
| MS | 100 | 101 | 103 | 102 |
| MSD | 99 | 100 | 101 | 101 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1344093
Reported: 10/27/12 at 06:02 PM

## Surrogate Quality Control

| | | | | |
|---|---|---|---|---|
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

Analysis Name: 8260 Std. Water Master
Batch number: T123001AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| 6833172 | 105 | 103 | 105 | 104 |
| 6833173 | 104 | 101 | 103 | 100 |
| 6833174 | 107 | 103 | 103 | 100 |
| 6833175 | 106 | 103 | 104 | 100 |
| 6833176 | 104 | 101 | 106 | 103 |
| 6833177 | 107 | 102 | 104 | 100 |
| 6833178 | 106 | 102 | 103 | 98 |
| Blank | 104 | 104 | 102 | 98 |
| LCS | 104 | 103 | 104 | 105 |
| MS | 102 | 97 | 105 | 105 |
| MSD | 102 | 99 | 105 | 105 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Environmental Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

Acct. # 6556 For Eurofins Lancaster Laboratories use only Group # 1344093 Sample # 6833167-78
Instructions on reverse side correspond with circled numbers.

**COC # 315058**

## 1 Client Information

| | |
|---|---|
| Client: The Johnson Co. | Acct. #: 06556 |
| Project Name/#: 1-0145-4 / AD-GA | PWSID #: |
| Project Manager: Glen Kirkpatrick | P.O. #: 1-0145-04 |
| Sampler: Ross Predom | Quote #: |

Name of state where samples were collected: GA

## 4 Matrix

Sediment ☐ Soil ☐ | Ground ☒ Potable ☐ Water | Surface ☐ NPDES ☐ | Other: DI

## 5 Analysis Requested

Preservation Codes: H

| 2 Sample Identification | Collected Date | Collected Time | 3 Grab | 3 Composite | Total # of Containers | 1,4-Dioxane by Isotope DIL SIM | 8260B |
|---|---|---|---|---|---|---|---|
| TB-RJP102012 | 10-20-12 | — | X | | 4 | X | X |
| ~~MW-49D~~ MW-49D | 10-20-12 | 1005 | X | | 6 | X | X |
| MW-14 | 10-20-12 | 1150 | X | | 6 | X | X |
| BR-16 | 10-20-12 | 1449 | X | | 6 | X | X |
| MW-17 | 10-20-12 | 1600 | X | | 6 | X | X |
| MW-37 | 10-20-12 | 1735 | X | | 6 | X | X |
| MW-20D | 10-21-12 | 1040 | X | | 6 | X | X |
| BR-7 | 10-21-12 | 1220 | X | | 6 | X | X |
| BR-22D | 10-21-12 | 1505 | X | | 6 | X | X |
| BR-22S | 10-21-12 | 1617 | X | | 6 | X | X |

For Lab Use Only
FSC:
SCR#:

**Preservation Codes**
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

## 6 Remarks

Please use PQL of 2 µg/L for Vinyl chloride

## 7 Turnaround Time (TAT) Requested (please circle)

(Standard) Rush

(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)

Date results are needed:

E-mail address: GAIS@JCOMAIL.COM

## 8 Data Package Options (circle if required)

Type I (Validation/non-CLP) Type VI (Raw Data Only)
Type III (Reduced non-CLP) TX TRRP-13
Type IV (CLP SOW) MA MCP CT RCP

| Relinquished by | Date | Time | Received by | Date | Time |
|---|---|---|---|---|---|
| | 10-22-12 | 1500 | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

## 9

| Relinquished by | Date | Time | Received by | Date | Time |
|---|---|---|---|---|---|
| | | | Cory Eichler | 10/23/12 | 0925 |

EDD Required? (Yes) No
If yes, format: Excel

Site-Specific QC (MS/MSD/Dup)? (Yes) No
(If yes, indicate QC sample and submit triplicate sample volume.)

Relinquished by Commercial Carrier:
UPS ____ FedEx ✓ Other ____

Temperature upon receipt 1.5 °C

# Environmental Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

Acct. # 6556 For Eurofins Lancaster Laboratories use only Group # 1344093 Sample # 6833167-78
Instructions on reverse side correspond with circled numbers.

**COC # 315043**

**1 Client Information**

| | |
|---|---|
| Client: Johnson Co | Acct. #: 06556 |
| Project Name/#: 1-0145-04 / AD-GA | PWSID #: |
| Project Manager: Glen Kirkpatrick | P.O. #: 1-0145-04 |
| Sampler: Ross Predom | Quote #: |

Name of state where samples were collected: GA

**4 Matrix**: Sediment ☐ Soil ☐ | Ground ☒ Potable ☐ Water | Surface ☐ NPDES ☐ | Other: ☐

**5 Analysis Requested** — Preservation Codes

| 2 Sample Identification | Collected Date | Collected Time | 3 Grab | 3 Composite | Total # of Containers | 1,4-Dioxane by 1SO DIL SIM | 8260 std water master |
|---|---|---|---|---|---|---|---|
| MW-62 | 10-21-12 | 1700 | X | | 6 | X | X |
| MW-28 | 10-21-12 | 1745 | X | | 6 | X | X |

**For Lab Use Only**
FSC:
SCR#:

**Preservation Codes**
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

**6 Remarks**
Please use RL of 2 µg/L for Vinyl chloride

**7 Turnaround Time (TAT) Requested** (please circle)
Standard Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)

Date results are needed:

E-mail address: GAK@JCOMAIL.COM

**8 Data Package Options** (circle if required)
Type I (Validation/non-CLP) Type VI (Raw Data Only)
Type III (Reduced non-CLP) TX TRRP-13
Type IV (CLP SOW) MA MCP CT RCP

| Relinquished by | Date | Time | Received by | Date | Time |
|---|---|---|---|---|---|
| | 10-22-12 | 1500 | | | |
| Relinquished by | Date | Time | Received by | Date | Time |
| Relinquished by | Date | Time | Received by | Date | Time |
| Relinquished by | Date | Time | Received by | Date | Time |
| Relinquished by | Date | Time | Received by Cathy Eshleman | 10/23/12 | 0925 |

**9**

EDD Required? Yes No
If yes, format: Excel

Site-Specific QC (MS/MSD/Dup)? (Yes) No
(If yes, indicate QC sample and submit triplicate sample volume.)

Relinquished by Commercial Carrier:
UPS ____ FedEx ✓ Other ____

Temperature upon receipt 1.5 °C

eurofins | Lancaster Laboratories

G-1344093

# Environmental Sample Administration Receipt Documentation Log

**Client/Project:** The Johnson Co.

**Date of Receipt:** 10/23/12

**Time of Receipt:** 0925

**Source Code:** 50-1

**Shipping Container Sealed:** (YES) NO

**Custody Seal Present * :** (YES) NO

* Custody seal was intact unless otherwise noted in the discrepancy section

**Package:** (Chilled) Not Chilled

| Temperature of Shipping Containers | | | | | | | |
|---|---|---|---|---|---|---|---|
| Cooler # | Thermometer ID | Temperature (°C) | Temp Bottle (TB) or Surface Temp (ST) | Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP) | Ice Present? Y/N | Loose (L) Bagged Ice (B) or NA | Comments |
| 1 | 2737 | 1.5 | TB | WI | Y | B | |
| 2 | ↓ | 2.1 | ↓ | ↓ | ↓ | ↓ | |
| 3 | ↓ | 2.8 | ↓ | ↓ | ↓ | ↓ | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |

Number of Trip Blanks received NOT listed on chain of custody: Ø

Paperwork Discrepancy/Unpacking Problems:

Unpacker Signature/Emp#: Billy Cahlon 3647 Date/Time: 10/23/12 1130

Issued by Dept. 6042 Management

2174.06

# Explanation of Symbols and Abbreviations

*The following defines common symbols and abbreviations used in reporting technical data:*

| | | | |
|---|---|---|---|
| **RL** | Reporting Limit | **BMQL** | Below Minimum Quantitation Level |
| **N.D.** | none detected | **MPN** | Most Probable Number |
| **TNTC** | Too Numerous To Count | **CP Units** | cobalt-chloroplatinate units |
| **IU** | International Units | **NTU** | nephelometric turbidity units |
| **umhos/cm** | micromhos/cm | **ng** | nanogram(s) |
| **C** | degrees Celsius | **F** | degrees Fahrenheit |
| **meq** | milliequivalents | **lb.** | pound(s) |
| **g** | gram(s) | **kg** | kilogram(s) |
| **µg** | microgram(s) | **mg** | milligram(s) |
| **mL** | milliliter(s) | **L** | liter(s) |
| **m3** | cubic meter(s) | **µL** | microliter(s) |
| | | **pg/L** | picogram/liter |

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**J** estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

*U.S. EPA CLP Data Qualifiers:*

**Organic Qualifiers**

| | |
|---|---|
| **A** | TIC is a possible aldol-condensation product |
| **B** | Analyte was also detected in the blank |
| **C** | Pesticide result confirmed by GC/MS |
| **D** | Compound quantitated on a diluted sample |
| **E** | Concentration exceeds the calibration range of the instrument |
| **N** | Presumptive evidence of a compound (TICs only) |
| **P** | Concentration difference between primary and confirmation columns >25% |
| **U** | Compound was not detected |
| **X,Y,Z** | Defined in case narrative |

**Inorganic Qualifiers**

| | |
|---|---|
| **B** | Value is <CRDL, but ≥IDL |
| **E** | Estimated due to interference |
| **M** | Duplicate injection precision not met |
| **N** | Spike sample not within control limits |
| **S** | Method of standard additions (MSA) used for calculation |
| **U** | Compound was not detected |
| **W** | Post digestion spike out of control limits |
| ***** | Duplicate analysis not within control limits |
| **+** | Correlation coefficient for MSA <0.995 |

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

October 28, 2012

Project: Avery Dennison / Flowery Branch, GA

Submittal Date: 10/23/2012
Group Number: 1344094
PO Number: 1-0145-4
State of Sample Origin: GA

| Client Sample Description | Lancaster Labs (LLI) # |
|---|---|
| MW-45D Grab Groundwater | 6833179 |
| BR-15 Grab Groundwater | 6833180 |
| BR-4S Grab Groundwater | 6833181 |
| BR-4D Grab Groundwater | 6833182 |
| BR-4D Matrix Spike Grab Groundwater | 6833183 |
| BR-4D Matrix Spk. Dup. Grab Groundwater | 6833184 |
| TB-JEP Water | 6833185 |
| MW-38 Grab Groundwater | 6833186 |
| MW-46D Grab Groundwater | 6833187 |
| MW-36D Grab Groundwater | 6833188 |
| MW-36S Grab Groundwater | 6833189 |
| MW-61 Grab Groundwater | 6833190 |

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO The Johnson Company, Inc. Attn: Glen Kirkpatrick

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 •717-656-2300 Fax:717-656-2681• www.lancasterlabs.com

Respectfully Submitted,



Wendy A. Kozma
Principal Specialist Group Leader

(717) 556-7257

**Sample Description: MW-45D Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833179**
**LLI Group # 1344094**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2012 10:10 by JP

Submitted: 10/23/2012 09:25
Reported: 10/28/2012 20:18

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AGJ45

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-45D Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833179**
**LLI Group # 1344094**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2012 10:10 by JP

Submitted: 10/23/2012 09:25
Reported: 10/28/2012 20:18

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AGJ45

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T123001AA | 10/26/2012 15:26 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122991AA | 10/25/2012 15:03 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122991AA | 10/25/2012 15:03 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T123001AA | 10/26/2012 15:26 | Linda C Pape | 1 |

**Sample Description: BR-15 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833180**
**LLI Group # 1344094**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2012 13:30 by JP

Submitted: 10/23/2012 09:25
Reported: 10/28/2012 20:18

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AGJ15

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: BR-15 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833180**
**LLI Group # 1344094**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2012 13:30 by JP

Submitted: 10/23/2012 09:25
Reported: 10/28/2012 20:18

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AGJ15

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T123001AA | 10/26/2012 15:50 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122991AA | 10/25/2012 15:22 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122991AA | 10/25/2012 15:22 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T123001AA | 10/26/2012 15:50 | Linda C Pape | 1 |

**Sample Description: BR-4S Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833181**
**LLI Group # 1344094**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2012 15:15 by JP

Submitted: 10/23/2012 09:25
Reported: 10/28/2012 20:18

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AGJ4S

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: BR-4S Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833181**
**LLI Group # 1344094**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2012 15:15 by JP

Submitted: 10/23/2012 09:25
Reported: 10/28/2012 20:18

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AGJ4S

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T123001AA | 10/26/2012 16:14 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122991AA | 10/25/2012 16:01 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122991AA | 10/25/2012 16:01 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T123001AA | 10/26/2012 16:14 | Linda C Pape | 1 |

**Sample Description: BR-4D Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833182**
**LLI Group # 1344094**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2012 18:10 by JP

Submitted: 10/23/2012 09:25
Reported: 10/28/2012 20:18

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AGJ4D

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: BR-4D Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833182**
**LLI Group # 1344094**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2012 18:10 by JP

Submitted: 10/23/2012 09:25
Reported: 10/28/2012 20:18

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AGJ4D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T123001AA | 10/26/2012 16:38 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E123002AA | 10/26/2012 17:59 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | T123001AA | 10/26/2012 16:38 | Linda C Pape | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E123002AA | 10/26/2012 17:59 | Sara E Johnson | 1 |

**Sample Description: BR-4D Matrix Spike Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833183**
**LLI Group # 1344094**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2012 18:10 by JP

Submitted: 10/23/2012 09:25
Reported: 10/28/2012 20:18

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AGJ4D

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | 210 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | 23 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | 24 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | 19 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | 22 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | 180 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | 22 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | 27 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | 22 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 23 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | 23 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | 22 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | 24 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 25 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | 25 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 24 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | 22 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | 23 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | 24 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | 24 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | 23 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | 22 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | 99 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | 100 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | 21 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | 21 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 21 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | 24 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | 23 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 26 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | 22 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | 24 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 22 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | 66 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 3.7 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: BR-4D Matrix Spike Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833183**
**LLI Group # 1344094**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2012 18:10 by JP

Submitted: 10/23/2012 09:25
Reported: 10/28/2012 20:18

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AGJ4D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T123001AA | 10/26/2012 17:01 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E123002AA | 10/26/2012 18:19 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | T123001AA | 10/26/2012 17:01 | Linda C Pape | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E123002AA | 10/26/2012 18:19 | Sara E Johnson | 1 |

**Sample Description: BR-4D Matrix Spk. Dup. Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833184**
**LLI Group # 1344094**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2012 18:10 by JP

Submitted: 10/23/2012 09:25
Reported: 10/28/2012 20:18

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AGJ4D

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | 190 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | 23 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | 23 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | 18 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | 21 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | 160 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | 22 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | 26 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | 22 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 22 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | 22 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | 22 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | 23 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 24 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | 24 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 24 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | 22 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | 22 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | 23 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | 23 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | 22 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | 21 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | 95 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | 97 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | 21 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | 22 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 20 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | 24 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | 23 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 26 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | 21 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | 23 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 22 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | 65 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 3.9 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: BR-4D Matrix Spk. Dup. Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833184**
**LLI Group # 1344094**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2012 18:10 by JP

Submitted: 10/23/2012 09:25
Reported: 10/28/2012 20:18

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AGJ4D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T123001AA | 10/26/2012 17:25 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E123002AA | 10/26/2012 18:39 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | T123001AA | 10/26/2012 17:25 | Linda C Pape | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E123002AA | 10/26/2012 18:39 | Sara E Johnson | 1 |

**Sample Description: TB-JEP Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833185**
**LLI Group # 1344094**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2012

Submitted: 10/23/2012 09:25
Reported: 10/28/2012 20:18

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AGJTB

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: TB-JEP Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833185**
**LLI Group # 1344094**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/20/2012

Submitted: 10/23/2012 09:25
Reported: 10/28/2012 20:18

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AGJTB

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T123001AA | 10/26/2012 12:15 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E123002AA | 10/26/2012 18:59 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | T123001AA | 10/26/2012 12:15 | Linda C Pape | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E123002AA | 10/26/2012 18:59 | Sara E Johnson | 1 |

**Sample Description: MW-38 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833186**
**LLI Group # 1344094**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2012 09:35 by JP

Submitted: 10/23/2012 09:25
Reported: 10/28/2012 20:18

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AGJ38

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-38 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833186**
**LLI Group # 1344094**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2012 09:35 by JP

Submitted: 10/23/2012 09:25
Reported: 10/28/2012 20:18

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AGJ38

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T123001AA | 10/26/2012 17:49 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122991AA | 10/25/2012 15:42 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122991AA | 10/25/2012 15:42 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T123001AA | 10/26/2012 17:49 | Linda C Pape | 1 |

**Sample Description: MW-46D Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833187**
**LLI Group # 1344094**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2012 12:15 by JP

Submitted: 10/23/2012 09:25
Reported: 10/28/2012 20:18

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AGJ46

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 4 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-46D Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833187**
**LLI Group # 1344094**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2012 12:15 by JP

Submitted: 10/23/2012 09:25
Reported: 10/28/2012 20:18

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AGJ46

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T123001AA | 10/26/2012 18:13 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E123002AA | 10/26/2012 19:19 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | T123001AA | 10/26/2012 18:13 | Linda C Pape | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E123002AA | 10/26/2012 19:19 | Sara E Johnson | 1 |

**Sample Description: MW-36D Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833188**
**LLI Group # 1344094**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2012 15:20 by JP

Submitted: 10/23/2012 09:25
Reported: 10/28/2012 20:18

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AG36D

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 20 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 230 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 160 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 6 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 3.6 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-36D Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833188**
**LLI Group # 1344094**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2012 15:20 by JP

Submitted: 10/23/2012 09:25
Reported: 10/28/2012 20:18

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AG36D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T123001AA | 10/26/2012 18:37 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E122991AA | 10/25/2012 16:41 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E122991AA | 10/25/2012 16:41 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | T123001AA | 10/26/2012 18:37 | Linda C Pape | 1 |

**Sample Description: MW-36S Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833189**
**LLI Group # 1344094**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2012 16:50 by JP

Submitted: 10/23/2012 09:25
Reported: 10/28/2012 20:18

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AG36S

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 6 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 19 | 10 | 5 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-36S Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833189**
**LLI Group # 1344094**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2012 16:50 by JP

Submitted: 10/23/2012 09:25
Reported: 10/28/2012 20:18

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AG36S

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T123001AA | 10/26/2012 19:01 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E123002AA | 10/26/2012 23:59 | Sara E Johnson | 5 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | T123001AA | 10/26/2012 19:01 | Linda C Pape | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E123002AA | 10/26/2012 23:59 | Sara E Johnson | 5 |

**Sample Description: MW-61 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833190**
**LLI Group # 1344094**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2012 17:00 by JP

Submitted: 10/23/2012 09:25
Reported: 10/28/2012 20:18

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AGJ61

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-61 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6833190**
**LLI Group # 1344094**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/21/2012 17:00 by JP

Submitted: 10/23/2012 09:25
Reported: 10/28/2012 20:18

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

AGJ61

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | T123001AA | 10/26/2012 19:25 | Linda C Pape | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E123002AA | 10/26/2012 19:39 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | T123001AA | 10/26/2012 19:25 | Linda C Pape | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E123002AA | 10/26/2012 19:39 | Sara E Johnson | 1 |

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1344094
Reported: 10/28/12 at 08:18 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

## Laboratory Compliance Quality Control

| Analysis Name | Blank Result | Blank LOQ | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: E122991AA | Sample number(s): 6833179-6833181,6833186,6833188 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 85 | | 80-123 | | |
| Batch number: E123002AA | Sample number(s): 6833182-6833185,6833187,6833189-6833190 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 84 | | 80-123 | | |
| Batch number: T123001AA | Sample number(s): 6833179-6833190 | | | | | | | |
| Acetone | < 20 | 20. | ug/l | 94 | | 49-234 | | |
| Benzene | < 5 | 5. | ug/l | 107 | | 77-121 | | |
| Bromodichloromethane | < 5 | 5. | ug/l | 115 | | 73-120 | | |
| Bromoform | < 5 | 5. | ug/l | 93 | | 61-120 | | |
| Bromomethane | < 5 | 5. | ug/l | 100 | | 44-120 | | |
| 2-Butanone | < 10 | 10. | ug/l | 102 | | 53-155 | | |
| Carbon Disulfide | < 5 | 5. | ug/l | 103 | | 62-125 | | |
| Carbon Tetrachloride | < 5 | 5. | ug/l | 119 | | 67-122 | | |
| Chlorobenzene | < 5 | 5. | ug/l | 104 | | 80-120 | | |
| Chloroethane | < 5 | 5. | ug/l | 107 | | 49-129 | | |
| Chloroform | < 5 | 5. | ug/l | 107 | | 77-122 | | |
| Chloromethane | < 5 | 5. | ug/l | 101 | | 60-129 | | |
| Dibromochloromethane | < 5 | 5. | ug/l | 113 | | 72-120 | | |
| 1,1-Dichloroethane | < 5 | 5. | ug/l | 115 | | 79-120 | | |
| 1,2-Dichloroethane | < 5 | 5. | ug/l | 118 | | 64-130 | | |
| 1,1-Dichloroethene | < 2 | 2. | ug/l | 107 | | 76-124 | | |
| cis-1,2-Dichloroethene | < 5 | 5. | ug/l | 105 | | 80-120 | | |
| trans-1,2-Dichloroethene | < 5 | 5. | ug/l | 104 | | 80-120 | | |
| 1,2-Dichloropropane | < 5 | 5. | ug/l | 114 | | 80-120 | | |
| cis-1,3-Dichloropropene | < 5 | 5. | ug/l | 113 | | 78-120 | | |
| trans-1,3-Dichloropropene | < 5 | 5. | ug/l | 108 | | 73-120 | | |
| Ethylbenzene | < 5 | 5. | ug/l | 101 | | 79-120 | | |
| 2-Hexanone | < 10 | 10. | ug/l | 84 | | 53-139 | | |
| 4-Methyl-2-pentanone | < 10 | 10. | ug/l | 98 | | 58-133 | | |
| Methylene Chloride | < 5 | 5. | ug/l | 101 | | 84-118 | | |
| Styrene | < 5 | 5. | ug/l | 106 | | 77-120 | | |
| 1,1,2,2-Tetrachloroethane | < 5 | 5. | ug/l | 106 | | 75-123 | | |
| Tetrachloroethene | < 5 | 5. | ug/l | 99 | | 79-120 | | |
| Toluene | < 5 | 5. | ug/l | 108 | | 79-120 | | |
| 1,1,1-Trichloroethane | < 5 | 5. | ug/l | 119 | | 66-126 | | |
| 1,1,2-Trichloroethane | < 5 | 5. | ug/l | 104 | | 80-120 | | |
| Trichloroethene | < 5 | 5. | ug/l | 110 | | 80-120 | | |
| Vinyl Chloride | < 2 | 2. | ug/l | 99 | | 56-123 | | |
| Xylene (Total) | < 5 | 5. | ug/l | 103 | | 77-120 | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1344094
Reported: 10/28/12 at 08:18 PM

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| Batch number: E122991AA | Sample number(s): 6833179-6833181,6833186,6833188 UNSPK: P831347 | | | | | | | | |
| 1,4-Dioxane | 80 | 83 | 73-138 | 3 | 30 | | | | |
| Batch number: E123002AA | Sample number(s): 6833182-6833185,6833187,6833189-6833190 UNSPK: 6833182 | | | | | | | | |
| 1,4-Dioxane | 74 | 78 | 73-138 | 4 | 30 | | | | |
| Batch number: T123001AA | Sample number(s): 6833179-6833190 UNSPK: 6833182 | | | | | | | | |
| Acetone | 142 | 125 | 33-159 | 13 | 30 | | | | |
| Benzene | 117 | 115 | 72-134 | 1 | 30 | | | | |
| Bromodichloromethane | 120 | 115 | 78-125 | 4 | 30 | | | | |
| Bromoform | 93 | 92 | 48-118 | 2 | 30 | | | | |
| Bromomethane | 108 | 104 | 47-129 | 4 | 30 | | | | |
| 2-Butanone | 121 | 106 | 57-138 | 13 | 30 | | | | |
| Carbon Disulfide | 112 | 112 | 67-135 | 1 | 30 | | | | |
| Carbon Tetrachloride | 133 | 129 | 72-135 | 3 | 30 | | | | |
| Chlorobenzene | 108 | 109 | 87-124 | 1 | 30 | | | | |
| Chloroethane | 116 | 110 | 51-145 | 5 | 30 | | | | |
| Chloroform | 114 | 111 | 81-134 | 3 | 30 | | | | |
| Chloromethane | 110 | 109 | 46-137 | 1 | 30 | | | | |
| Dibromochloromethane | 118* | 116 | 74-116 | 2 | 30 | | | | |
| 1,1-Dichloroethane | 123 | 120 | 84-129 | 2 | 30 | | | | |
| 1,2-Dichloroethane | 125 | 122 | 68-131 | 2 | 30 | | | | |
| 1,1-Dichloroethene | 119 | 119 | 85-142 | 0 | 30 | | | | |
| cis-1,2-Dichloroethene | 111 | 110 | 85-125 | 1 | 30 | | | | |
| trans-1,2-Dichloroethene | 114 | 112 | 87-126 | 2 | 30 | | | | |
| 1,2-Dichloropropane | 120 | 117 | 83-124 | 3 | 30 | | | | |
| cis-1,3-Dichloropropene | 119* | 117* | 70-116 | 2 | 30 | | | | |
| trans-1,3-Dichloropropene | 114 | 112 | 74-119 | 2 | 30 | | | | |
| Ethylbenzene | 109 | 107 | 71-134 | 1 | 30 | | | | |
| 2-Hexanone | 99 | 95 | 55-127 | 4 | 30 | | | | |
| 4-Methyl-2-pentanone | 102 | 97 | 63-123 | 5 | 30 | | | | |
| Methylene Chloride | 105 | 105 | 78-133 | 0 | 30 | | | | |
| Styrene | 107 | 109 | 78-125 | 2 | 30 | | | | |
| 1,1,2,2-Tetrachloroethane | 104 | 100 | 72-128 | 4 | 30 | | | | |
| Tetrachloroethene | 118 | 119 | 80-128 | 1 | 30 | | | | |
| Toluene | 115 | 114 | 80-125 | 1 | 30 | | | | |
| 1,1,1-Trichloroethane | 129 | 129 | 69-140 | 0 | 30 | | | | |
| 1,1,2-Trichloroethane | 110 | 104 | 77-124 | 5 | 30 | | | | |
| Trichloroethene | 119 | 116 | 88-133 | 3 | 30 | | | | |
| Vinyl Chloride | 110 | 108 | 66-133 | 1 | 30 | | | | |
| Xylene (Total) | 109 | 109 | 79-125 | 0 | 30 | | | | |

## Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1344094
Reported: 10/28/12 at 08:18 PM

## Surrogate Quality Control

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E122991AA

| | Toluene-d8 |
|---|---|
| 6833179 | 99 |
| 6833180 | 99 |
| 6833181 | 100 |
| 6833186 | 99 |
| 6833188 | 99 |
| Blank | 100 |
| LCS | 100 |
| MS | 100 |
| MSD | 100 |
| Limits: | 80-120 |

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E123002AA

| | Toluene-d8 |
|---|---|
| 6833182 | 95 |
| 6833183 | 95 |
| 6833184 | 95 |
| 6833185 | 91 |
| 6833187 | 91 |
| 6833189 | 94 |
| 6833190 | 92 |
| Blank | 95 |
| LCS | 95 |
| MS | 95 |
| MSD | 95 |
| Limits: | 80-120 |

Analysis Name: 8260 Std. Water Master
Batch number: T123001AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| 6833179 | 106 | 102 | 101 | 98 |
| 6833180 | 105 | 101 | 104 | 102 |
| 6833181 | 107 | 102 | 104 | 103 |
| 6833182 | 107 | 105 | 103 | 101 |
| 6833183 | 102 | 97 | 105 | 105 |
| 6833184 | 102 | 99 | 105 | 105 |
| 6833185 | 105 | 102 | 106 | 102 |
| 6833186 | 103 | 99 | 102 | 100 |
| 6833187 | 104 | 100 | 104 | 100 |
| 6833188 | 105 | 101 | 103 | 103 |
| 6833189 | 107 | 103 | 103 | 102 |
| 6833190 | 109 | 106 | 104 | 103 |
| Blank | 104 | 104 | 102 | 98 |
| LCS | 104 | 103 | 104 | 105 |
| MS | 102 | 97 | 105 | 105 |
| MSD | 102 | 99 | 105 | 105 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1344094
Reported: 10/28/12 at 08:18 PM

## Surrogate Quality Control

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Environmental Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

Acct. # 6556 For Eurofins Lancaster Laboratories use only Group # 1344094 Sample # 6833179-90
Instructions on reverse side correspond with circled numbers.

**COC # 315045**

**1 Client Information**

| | |
|---|---|
| Client: The Johnson Co. | Acct. #: 06556 |
| Project Name/#: AD-GA / 1-0145-4 | PWSID #: |
| Project Manager: Glen Kirkpatrick | P.O. #: 1-0145-4 |
| Sampler: Jo Palmer | Quote #: |

Name of state where samples were collected: GA

**4 Matrix**: Sediment ☐ Soil ☐ | Ground ☒ Potable ☐ Water | Surface ☐ NPDES ☐ | Other: DI water

**5 Analysis Requested** — Preservation Codes: H

| 2 Sample Identification | Collected Date | Collected Time | 3 Grab | Composite | Total # of Containers | 1,4 Dioxane by Isotope DL SIM HCL | 8260 | 6 Remarks |
|---|---|---|---|---|---|---|---|---|
| MW-45D | 10/20/12 | 1010 | X | | 6 | 3 | 3 | |
| BR-15 | 10/20/12 | 1330 | X | | 6 | 3 | 3 | |
| BR-45 | 10/20/12 | 1515 | X | | 6 | 3 | 3 | |
| BR-4D | 10/20/12 | 1810 | X | | 18 | 9 | 9 | MS/MSD |
| ~~BR~~ TB-JEP | 10/20/12 | — | X | | 2 | 1 | 1 | Trip Blank |
| MW-38 | 10/21/12 | 0935 | X | | 6 | 3 | 3 | |
| MW-46D | 10/21/12 | 1215 | X | | 6 | 3 | 3 | |
| MW-36D | 10/21/12 | 1520 | X | | 6 | 3 | 3 | |
| MW-36S | 10/21/12 | 1650 | X | | 6 | 3 | 3 | |
| MW-61 | 10/21/12 | 1700 | X | | 6 | 3 | 3 | |

Please use a PQL of 2 µg/L for Vinyl Chloride

For Lab Use Only
FSC:
SCR#:

**Preservation Codes**
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

**7 Turnaround Time (TAT) Requested** (please circle)
Standard Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)

Date results are needed: —

E-mail address: GAK@jcomail.com

**8 Data Package Options** (circle if required)
Type I (Validation/non-CLP) Type VI (Raw Data Only)
Type III (Reduced non-CLP) TX TRRP-13
Type IV (CLP SOW) MA MCP CT RCP

| Relinquished by | Date | Time | Received by | Date | Time |
|---|---|---|---|---|---|
| [signature] | 10/22/12 | 1500 | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | [signature] | 10/23/12 | 0925 |

EDD Required? Yes No
If yes, format: Excel
Site-Specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate sample volume.)

Relinquished by Commercial Carrier:
UPS _____ FedEx ✓ Other _____

Temperature upon receipt 2.8 °C

eurofins | Lancaster Laboratories

G-1344094

# Environmental Sample Administration Receipt Documentation Log

**Client/Project:** The Johnson Co.

**Date of Receipt:** 10/23/12

**Time of Receipt:** 0925

**Source Code:** 50-1

**Shipping Container Sealed:** (YES) NO

**Custody Seal Present * :** (YES) NO

* Custody seal was intact unless otherwise noted in the discrepancy section

**Package:** (Chilled) Not Chilled

| Temperature of Shipping Containers | | | | | | | |
|---|---|---|---|---|---|---|---|
| Cooler # | Thermometer ID | Temperature (°C) | Temp Bottle (TB) or Surface Temp (ST) | Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP) | Ice Present? Y/N | Loose (L) Bagged Ice (B) or NA | Comments |
| 1 | 2737 | 1.5 | TB | WI | Y | B | |
| 2 | ↓ | 2.1 | ↓ | ↓ | ↓ | ↓ | |
| 3 | ↓ | 2.8 | ↓ | ↓ | ↓ | ↓ | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |

**Number of Trip Blanks received NOT listed on chain of custody:** Ø

**Paperwork Discrepancy/Unpacking Problems:**

**Unpacker Signature/Emp#:** Coby Cohlen 3647 **Date/Time:** 10/23/12. 1130

Issued by Dept. 6042 Management

2174.06

# Explanation of Symbols and Abbreviations

*The following defines common symbols and abbreviations used in reporting technical data:*

| | | | |
|---|---|---|---|
| **RL** | Reporting Limit | **BMQL** | Below Minimum Quantitation Level |
| **N.D.** | none detected | **MPN** | Most Probable Number |
| **TNTC** | Too Numerous To Count | **CP Units** | cobalt-chloroplatinate units |
| **IU** | International Units | **NTU** | nephelometric turbidity units |
| **umhos/cm** | micromhos/cm | **ng** | nanogram(s) |
| **C** | degrees Celsius | **F** | degrees Fahrenheit |
| **meq** | milliequivalents | **lb.** | pound(s) |
| **g** | gram(s) | **kg** | kilogram(s) |
| **µg** | microgram(s) | **mg** | milligram(s) |
| **mL** | milliliter(s) | **L** | liter(s) |
| **m3** | cubic meter(s) | **µL** | microliter(s) |
| | | **pg/L** | picogram/liter |

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**J** estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

*U.S. EPA CLP Data Qualifiers:*

**Organic Qualifiers**

| | |
|---|---|
| **A** | TIC is a possible aldol-condensation product |
| **B** | Analyte was also detected in the blank |
| **C** | Pesticide result confirmed by GC/MS |
| **D** | Compound quantitated on a diluted sample |
| **E** | Concentration exceeds the calibration range of the instrument |
| **N** | Presumptive evidence of a compound (TICs only) |
| **P** | Concentration difference between primary and confirmation columns >25% |
| **U** | Compound was not detected |
| **X,Y,Z** | Defined in case narrative |

**Inorganic Qualifiers**

| | |
|---|---|
| **B** | Value is <CRDL, but ≥IDL |
| **E** | Estimated due to interference |
| **M** | Duplicate injection precision not met |
| **N** | Spike sample not within control limits |
| **S** | Method of standard additions (MSA) used for calculation |
| **U** | Compound was not detected |
| **W** | Post digestion spike out of control limits |
| ***** | Duplicate analysis not within control limits |
| **+** | Correlation coefficient for MSA <0.995 |

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

October 31, 2012

Project: Avery Dennison / Flowery Branch, GA

Submittal Date: 10/24/2012
Group Number: 1344398
PO Number: 1-0145-4
State of Sample Origin: GA

| Client Sample Description | Lancaster Labs (LLI) # |
|---|---|
| TB-RJP102212 Water | 6834579 |
| BR-9S Grab Groundwater | 6834580 |
| MW-29 Grab Groundwater | 6834581 |
| MW-33 Grab Groundwater | 6834582 |
| MW-35 Grab Groundwater | 6834583 |
| BR-9D Grab Groundwater | 6834584 |
| MW-56D Grab Groundwater | 6834585 |
| BR-19 Grab Groundwater | 6834586 |
| MW-11 Grab Groundwater | 6834587 |
| MW-25D Grab Groundwater | 6834588 |
| MW-25DRX Grab Groundwater | 6834589 |
| SSA Grab Groundwater | 6834590 |
| WSA Grab Groundwater | 6834591 |

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO The Johnson Company, Inc. Attn: Glen Kirkpatrick

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Respectfully Submitted,



Wendy A. Kozma
Principal Specialist Group Leader

(717) 556-7257

**Sample Description: TB-RJP102212 Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834579**
**LLI Group # 1344398**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2012

Submitted: 10/24/2012 09:20
Reported: 10/31/2012 09:46

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

RJPTB

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: methylene chloride and trans-1,3-dichloropropene.

| | | | | | |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Sample Description: TB-RJP102212 Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834579**
**LLI Group # 1344398**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2012

Submitted: 10/24/2012 09:20
Reported: 10/31/2012 09:46

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

RJPTB

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y122992AA | 10/25/2012 21:46 | Sarah A Guill | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E123021AA | 10/28/2012 09:37 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y122992AA | 10/25/2012 21:46 | Sarah A Guill | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E123021AA | 10/28/2012 09:37 | Jason M Long | 1 |

**Sample Description: BR-9S Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834580**
**LLI Group # 1344398**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2012 09:45 by RP

Submitted: 10/24/2012 09:20
Reported: 10/31/2012 09:46

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

BR9S-

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: methylene chloride and trans-1,3-dichloropropene.

| | | | | | |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Sample Description: BR-9S Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834580**
**LLI Group # 1344398**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2012 09:45 by RP

Submitted: 10/24/2012 09:20
Reported: 10/31/2012 09:46

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

BR9S-

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y122992AA | 10/25/2012 22:27 | Sarah A Guill | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E123021AA | 10/28/2012 09:57 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y122992AA | 10/25/2012 22:27 | Sarah A Guill | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E123021AA | 10/28/2012 09:57 | Jason M Long | 1 |

**Sample Description: MW-29 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834581**
**LLI Group # 1344398**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2012 11:10 by RP

Submitted: 10/24/2012 09:20
Reported: 10/31/2012 09:46

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

M29--

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: methylene chloride and trans-1,3-dichloropropene.

| | | | | | |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Sample Description: MW-29 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834581**
**LLI Group # 1344398**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2012 11:10 by RP

Submitted: 10/24/2012 09:20
Reported: 10/31/2012 09:46

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

M29--

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y122992AA | 10/25/2012 22:48 | Sarah A Guill | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E123021AA | 10/28/2012 10:17 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y122992AA | 10/25/2012 22:48 | Sarah A Guill | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E123021AA | 10/28/2012 10:17 | Jason M Long | 1 |

**Sample Description: MW-33 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834582**
**LLI Group # 1344398**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2012 12:55 by RP

Submitted: 10/24/2012 09:20
Reported: 10/31/2012 09:46

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

M33--

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: methylene chloride and trans-1,3-dichloropropene.

| | | | | | |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Sample Description: MW-33 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834582**
**LLI Group # 1344398**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2012 12:55 by RP

Submitted: 10/24/2012 09:20
Reported: 10/31/2012 09:46

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

M33--

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y122992AA | 10/25/2012 23:08 | Sarah A Guill | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E123032AA | 10/29/2012 19:55 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y122992AA | 10/25/2012 23:08 | Sarah A Guill | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E123032AA | 10/29/2012 19:55 | Sara E Johnson | 1 |

**Sample Description: MW-35 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834583**
**LLI Group # 1344398**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2012 13:55 by RP

Submitted: 10/24/2012 09:20
Reported: 10/31/2012 09:46

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

M35--

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: methylene chloride and trans-1,3-dichloropropene.

| | | | | | |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Sample Description: MW-35 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834583**
**LLI Group # 1344398**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2012 13:55 by RP

Submitted: 10/24/2012 09:20
Reported: 10/31/2012 09:46

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

M35--

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y122992AA | 10/25/2012 23:29 | Sarah A Guill | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E123032AA | 10/29/2012 20:15 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y122992AA | 10/25/2012 23:29 | Sarah A Guill | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E123032AA | 10/29/2012 20:15 | Sara E Johnson | 1 |

**Sample Description: BR-9D Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834584**
**LLI Group # 1344398**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2012 14:30 by RP

Submitted: 10/24/2012 09:20
Reported: 10/31/2012 09:46

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

BR9D-

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: methylene chloride and trans-1,3-dichloropropene.

| | | | | | |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

The recovery for the sample internal standard is outside the QC acceptance limits. The following corrective action was taken: The sample was re-analyzed and the QC is again outside of the acceptance limits, indicating a matrix effect. The data is reported from the initial trial.

**Sample Description: BR-9D Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834584**
**LLI Group # 1344398**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2012 14:30 by RP

Submitted: 10/24/2012 09:20
Reported: 10/31/2012 09:46

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

BR9D-

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y122992AA | 10/25/2012 23:49 | Sarah A Guill | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E123032AA | 10/29/2012 20:35 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y122992AA | 10/25/2012 23:49 | Sarah A Guill | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E123032AA | 10/29/2012 20:35 | Sara E Johnson | 1 |

**Sample Description: MW-56D Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834585**
**LLI Group # 1344398**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2012 15:57 by RP

Submitted: 10/24/2012 09:20
Reported: 10/31/2012 09:46

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

56D--

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: methylene chloride and trans-1,3-dichloropropene.

| | | | | | |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Sample Description: MW-56D Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834585**
**LLI Group # 1344398**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2012 15:57 by RP

Submitted: 10/24/2012 09:20
Reported: 10/31/2012 09:46

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

56D--

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y122992AA | 10/26/2012 00:10 | Sarah A Guill | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E123032AA | 10/29/2012 20:55 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y122992AA | 10/26/2012 00:10 | Sarah A Guill | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E123032AA | 10/29/2012 20:55 | Sara E Johnson | 1 |

**Sample Description: BR-19 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834586**
**LLI Group # 1344398**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2012 16:50 by RP

Submitted: 10/24/2012 09:20
Reported: 10/31/2012 09:46

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

BR19-

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 7 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: methylene chloride and trans-1,3-dichloropropene.

| | | | | | |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Sample Description: BR-19 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834586**
**LLI Group # 1344398**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2012 16:50 by RP

Submitted: 10/24/2012 09:20
Reported: 10/31/2012 09:46

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

BR19-

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y122992AA | 10/26/2012 00:30 | Sarah A Guill | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E123032AA | 10/29/2012 21:15 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y122992AA | 10/26/2012 00:30 | Sarah A Guill | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E123032AA | 10/29/2012 21:15 | Sara E Johnson | 1 |

**Sample Description: MW-11 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834587**
**LLI Group # 1344398**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/23/2012 09:07 by RP

Submitted: 10/24/2012 09:20
Reported: 10/31/2012 09:46

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

M11--

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: methylene chloride and trans-1,3-dichloropropene.

| | | | | | |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Sample Description: MW-11 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834587**
**LLI Group # 1344398**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/23/2012 09:07 by RP

Submitted: 10/24/2012 09:20
Reported: 10/31/2012 09:46

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

M11--

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y122992AA | 10/26/2012 00:50 | Sarah A Guill | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E123032AA | 10/29/2012 21:35 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y122992AA | 10/26/2012 00:50 | Sarah A Guill | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E123032AA | 10/29/2012 21:35 | Sara E Johnson | 1 |

**Sample Description: MW-25D Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834588**
**LLI Group # 1344398**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/23/2012 11:35 by RP

Submitted: 10/24/2012 09:20
Reported: 10/31/2012 09:46

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

M25D-

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: methylene chloride and trans-1,3-dichloropropene.

| | | | | | |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Sample Description: MW-25D Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834588**
**LLI Group # 1344398**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/23/2012 11:35 by RP

Submitted: 10/24/2012 09:20
Reported: 10/31/2012 09:46

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

M25D-

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y122992AA | 10/26/2012 01:11 | Sarah A Guill | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E123032AA | 10/29/2012 21:55 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y122992AA | 10/26/2012 01:11 | Sarah A Guill | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E123032AA | 10/29/2012 21:55 | Sara E Johnson | 1 |

**Sample Description: MW-25DRX Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834589**
**LLI Group # 1344398**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/23/2012 12:45 by RP

Submitted: 10/24/2012 09:20
Reported: 10/31/2012 09:46

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

25DRX

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: methylene chloride and trans-1,3-dichloropropene.

| | | | | | |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

The recovery for the sample internal standard is outside the QC acceptance limits. The following corrective action was taken: The sample was re-analyzed and the QC is again outside of the acceptance limits, indicating a matrix effect. The data is reported from the initial trial.

**Sample Description: MW-25DRX Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834589**
**LLI Group # 1344398**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/23/2012 12:45 by RP

Submitted: 10/24/2012 09:20
Reported: 10/31/2012 09:46

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

25DRX

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y122992AA | 10/26/2012 01:31 | Sarah A Guill | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E123032AA | 10/29/2012 22:15 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y122992AA | 10/26/2012 01:31 | Sarah A Guill | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E123032AA | 10/29/2012 22:15 | Sara E Johnson | 1 |

**Sample Description: SSA Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834590**
**LLI Group # 1344398**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/23/2012 13:55 by RP

Submitted: 10/24/2012 09:20
Reported: 10/31/2012 09:46

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SSA--

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 7 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| | The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: methylene chloride and trans-1,3-dichloropropene. | | | | |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 5.7 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Sample Description: SSA Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834590**
**LLI Group # 1344398**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/23/2012 13:55 by RP

Submitted: 10/24/2012 09:20
Reported: 10/31/2012 09:46

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

SSA--

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y122992AA | 10/26/2012 01:52 | Sarah A Guill | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E123041AA | 10/30/2012 18:33 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y122992AA | 10/26/2012 01:52 | Sarah A Guill | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E123041AA | 10/30/2012 18:33 | Jason M Long | 1 |

**Sample Description: WSA Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834591**
**LLI Group # 1344398**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/23/2012 13:45 by RP

Submitted: 10/24/2012 09:20
Reported: 10/31/2012 09:46

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

WSA--

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 18 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 79 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 27 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: methylene chloride and trans-1,3-dichloropropene.

| | | | | | |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 4.9 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Sample Description: WSA Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834591**
**LLI Group # 1344398**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/23/2012 13:45 by RP

Submitted: 10/24/2012 09:20
Reported: 10/31/2012 09:46

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

WSA--

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y122992AA | 10/26/2012 02:13 | Sarah A Guill | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E123041AA | 10/30/2012 18:53 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y122992AA | 10/26/2012 02:13 | Sarah A Guill | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E123041AA | 10/30/2012 18:53 | Jason M Long | 1 |

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# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1344398
Reported: 10/31/12 at 09:46 AM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

## Laboratory Compliance Quality Control

| Analysis Name | Blank Result | Blank LOQ | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: E123021AA | Sample number(s): 6834579-6834581 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 84 | 85 | 80-123 | 2 | 30 |
| Batch number: E123032AA | Sample number(s): 6834582-6834589 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 80 | | 80-123 | | |
| Batch number: E123041AA | Sample number(s): 6834590-6834591 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 83 | 85 | 80-123 | 3 | 30 |
| Batch number: Y122992AA | Sample number(s): 6834579-6834591 | | | | | | | |
| Acetone | < 20 | 20. | ug/l | 87 | | 49-234 | | |
| Benzene | < 5 | 5. | ug/l | 86 | | 77-121 | | |
| Bromodichloromethane | < 5 | 5. | ug/l | 79 | | 73-120 | | |
| Bromoform | < 5 | 5. | ug/l | 64 | | 61-120 | | |
| Bromomethane | < 5 | 5. | ug/l | 55 | | 44-120 | | |
| 2-Butanone | < 10 | 10. | ug/l | 91 | | 53-155 | | |
| Carbon Disulfide | < 5 | 5. | ug/l | 74 | | 62-125 | | |
| Carbon Tetrachloride | < 5 | 5. | ug/l | 81 | | 67-122 | | |
| Chlorobenzene | < 5 | 5. | ug/l | 84 | | 80-120 | | |
| Chloroethane | < 5 | 5. | ug/l | 64 | | 49-129 | | |
| Chloroform | < 5 | 5. | ug/l | 80 | | 77-122 | | |
| Chloromethane | < 5 | 5. | ug/l | 74 | | 60-129 | | |
| Dibromochloromethane | < 5 | 5. | ug/l | 77 | | 72-120 | | |
| 1,1-Dichloroethane | < 5 | 5. | ug/l | 86 | | 79-120 | | |
| 1,2-Dichloroethane | < 5 | 5. | ug/l | 86 | | 64-130 | | |
| 1,1-Dichloroethene | < 2 | 2. | ug/l | 80 | | 76-124 | | |
| cis-1,2-Dichloroethene | < 5 | 5. | ug/l | 87 | | 80-120 | | |
| trans-1,2-Dichloroethene | < 5 | 5. | ug/l | 83 | | 80-120 | | |
| 1,2-Dichloropropane | < 5 | 5. | ug/l | 84 | | 80-120 | | |
| cis-1,3-Dichloropropene | < 5 | 5. | ug/l | 81 | | 78-120 | | |
| trans-1,3-Dichloropropene | < 5 | 5. | ug/l | 72* | | 73-120 | | |
| Ethylbenzene | < 5 | 5. | ug/l | 83 | | 79-120 | | |
| 2-Hexanone | < 10 | 10. | ug/l | 81 | | 53-139 | | |
| 4-Methyl-2-pentanone | < 10 | 10. | ug/l | 82 | | 58-133 | | |
| Methylene Chloride | < 5 | 5. | ug/l | 80* | | 84-118 | | |
| Styrene | < 5 | 5. | ug/l | 80 | | 77-120 | | |
| 1,1,2,2-Tetrachloroethane | < 5 | 5. | ug/l | 80 | | 75-123 | | |
| Tetrachloroethene | < 5 | 5. | ug/l | 85 | | 79-120 | | |
| Toluene | < 5 | 5. | ug/l | 84 | | 79-120 | | |
| 1,1,1-Trichloroethane | < 5 | 5. | ug/l | 80 | | 66-126 | | |
| 1,1,2-Trichloroethane | < 5 | 5. | ug/l | 83 | | 80-120 | | |
| Trichloroethene | < 5 | 5. | ug/l | 86 | | 80-120 | | |
| Vinyl Chloride | < 2 | 2. | ug/l | 70 | | 56-123 | | |
| Xylene (Total) | < 5 | 5. | ug/l | 83 | | 77-120 | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1344398
Reported: 10/31/12 at 09:46 AM

| Analysis Name | Blank Result | Blank LOQ | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| Batch number: E123032AA | Sample number(s): 6834582-6834589 UNSPK: P834615 | | | | | | | | |
| 1,4-Dioxane | 90 | 73 | 73-138 | 7 | 30 | | | | |
| Batch number: Y122992AA | Sample number(s): 6834579-6834591 UNSPK: P834615 | | | | | | | | |
| Acetone | 88 | 87 | 33-159 | 2 | 30 | | | | |
| Benzene | 123 | 104 | 72-134 | 16 | 30 | | | | |
| Bromodichloromethane | 112 | 94 | 78-125 | 18 | 30 | | | | |
| Bromoform | 92 | 76 | 48-118 | 19 | 30 | | | | |
| Bromomethane | 84 | 66 | 47-129 | 23 | 30 | | | | |
| 2-Butanone | 100 | 95 | 57-138 | 4 | 30 | | | | |
| Carbon Disulfide | 114 | 97 | 67-135 | 16 | 30 | | | | |
| Carbon Tetrachloride | 141* | 118 | 72-135 | 18 | 30 | | | | |
| Chlorobenzene | 117 | 100 | 87-124 | 16 | 30 | | | | |
| Chloroethane | 104 | 66 | 51-145 | 20 | 30 | | | | |
| Chloroform | 114 | 97 | 81-134 | 16 | 30 | | | | |
| Chloromethane | 121 | 101 | 46-137 | 18 | 30 | | | | |
| Dibromochloromethane | 110 | 91 | 74-116 | 19 | 30 | | | | |
| 1,1-Dichloroethane | 531 (2) | 220 (2) | 84-129 | 15 | 30 | | | | |
| 1,2-Dichloroethane | 119 | 102 | 68-131 | 15 | 30 | | | | |
| 1,1-Dichloroethene | 518 (2) | 89 (2) | 85-142 | 15 | 30 | | | | |
| cis-1,2-Dichloroethene | 128* | 106 | 85-125 | 17 | 30 | | | | |
| trans-1,2-Dichloroethene | 122 | 103 | 87-126 | 17 | 30 | | | | |
| 1,2-Dichloropropane | 116 | 99 | 83-124 | 16 | 30 | | | | |
| cis-1,3-Dichloropropene | 115 | 98 | 70-116 | 17 | 30 | | | | |
| trans-1,3-Dichloropropene | 99 | 84 | 74-119 | 16 | 30 | | | | |
| Ethylbenzene | 118 | 99 | 71-134 | 17 | 30 | | | | |
| 2-Hexanone | 92 | 85 | 55-127 | 7 | 30 | | | | |
| 4-Methyl-2-pentanone | 95 | 87 | 63-123 | 9 | 30 | | | | |
| Methylene Chloride | 113 | 96 | 78-133 | 17 | 30 | | | | |
| Styrene | 112 | 94 | 78-125 | 17 | 30 | | | | |
| 1,1,2,2-Tetrachloroethane | 102 | 88 | 72-128 | 14 | 30 | | | | |
| Tetrachloroethene | 138* | 109 | 80-128 | 18 | 30 | | | | |
| Toluene | 119 | 101 | 80-125 | 16 | 30 | | | | |
| 1,1,1-Trichloroethane | 489 (2) | 207 (2) | 69-140 | 15 | 30 | | | | |
| 1,1,2-Trichloroethane | 110 | 93 | 77-124 | 17 | 30 | | | | |
| Trichloroethene | 136* | 110 | 88-133 | 16 | 30 | | | | |
| Vinyl Chloride | 107 | 91 | 66-133 | 17 | 30 | | | | |
| Xylene (Total) | 117 | 99 | 79-125 | 17 | 30 | | | | |

## Surrogate Quality Control

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1344398
Reported: 10/31/12 at 09:46 AM

## Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed
unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E123021AA

| | Toluene-d8 |
|---|---|
| 6834579 | 95 |
| 6834580 | 95 |
| 6834581 | 93 |
| Blank | 95 |
| LCS | 95 |
| LCSD | 93 |
| Limits: | 80-120 |

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E123032AA

| | Toluene-d8 |
|---|---|
| 6834582 | 91 |
| 6834583 | 92 |
| 6834584 | 91 |
| 6834585 | 91 |
| 6834586 | 94 |
| 6834587 | 92 |
| 6834588 | 93 |
| 6834589 | 93 |
| Blank | 94 |
| LCS | 91 |
| MS | 91 |
| MSD | 94 |
| Limits: | 80-120 |

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E123041AA

| | Toluene-d8 |
|---|---|
| 6834590 | 93 |
| 6834591 | 92 |
| Blank | 94 |
| LCS | 88 |
| LCSD | 93 |
| Limits: | 80-120 |

Analysis Name: 8260 Std. Water Master
Batch number: Y122992AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| 6834579 | 97 | 100 | 99 | 97 |
| 6834580 | 97 | 99 | 99 | 98 |
| 6834581 | 97 | 99 | 99 | 97 |
| 6834582 | 97 | 99 | 99 | 97 |
| 6834583 | 96 | 98 | 99 | 96 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1344398
Reported: 10/31/12 at 09:46 AM

## Surrogate Quality Control

| | | | | |
|---|---|---|---|---|
| 6834584 | 97 | 98 | 99 | 97 |
| 6834585 | 98 | 99 | 99 | 97 |
| 6834586 | 97 | 99 | 99 | 97 |
| 6834587 | 97 | 99 | 99 | 96 |
| 6834588 | 98 | 99 | 99 | 97 |
| 6834589 | 97 | 98 | 99 | 96 |
| 6834590 | 96 | 98 | 99 | 96 |
| 6834591 | 97 | 98 | 100 | 96 |
| Blank | 97 | 98 | 99 | 98 |
| LCS | 99 | 101 | 100 | 98 |
| MS | 101 | 103 | 100 | 98 |
| MSD | 101 | 102 | 100 | 98 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Environmental Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

Acct. # 6556 For Eurofins Lancaster Laboratories use only Group # 1344398 Sample # 6834579-91
Instructions on reverse side correspond with circled numbers.

**COC # 315032**

## 1 Client Information

| | |
|---|---|
| Client: Johnson Co. | Acct. #: 06556 |
| Project Name/#: AD-GA / 1-0145-04 | PWSID #: |
| Project Manager: Glen Kirkpatrick | P.O. #: 1-0145-04 |
| Sampler: Ross Predom | Quote #: |

Name of state where samples were collected: CA

## 4 Matrix

Sediment ☐ Soil ☐ | Water: Ground ☒ Potable ☐ NPDES ☐ Surface ☐ | Other: DI

## 5 Analysis Requested

Preservation Codes: H

| 2 Sample Identification | Collected Date | Collected Time | 3 Grab | Composite | Total # of Containers | 1,4-Dioxane 1SO Dil SIM | 8260 Standard mastr |
|---|---|---|---|---|---|---|---|
| TB - ROP 102212 | 10-22-12 | — | X | | 2 | X | X |
| BR-9S | 10-22-12 | 0945 | X | | 6 | X | X |
| MW-29 | 10-22-12 | 1110 | X | | 6 | X | X |
| MW-33 | 10-22-12 | 1255 | X | | 6 | X | X |
| MW-35 | 10-22-12 | 1355 | X | | 6 | X | X |
| BR-9D | 10-22-12 | 1430 | X | | 6 | X | X |
| MW-56D | 10-22-12 | 1557 | X | | 6 | X | X |
| BR-19 | 10-22-12 | 1650 | X | | 6 | X | X |
| MW-11 | 10-23-12 | 0907 | X | | 6 | X | X |
| MW-25D | 10-23-12 | 1135 | X | | 6 | X | X |

For Lab Use Only
FSC:
SCR#:

**Preservation Codes**
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

## 6 Remarks

Please use PQL of 2 µg/L for Vinyl chloride

## 7 Turnaround Time (TAT) Requested (please circle)

Standard Rush

(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)

Date results are needed:

E-mail address: GAK@JCOMAIL.COM

## 8 Data Package Options (circle if required)

Type I (Validation/non-CLP) Type VI (Raw Data Only)
Type III (Reduced non-CLP) TX TRRP-13
Type IV (CLP SOW) MA MCP CT RCP

## 9

| Relinquished by | Date | Time | Received by | Date | Time |
|---|---|---|---|---|---|
| | 10-23-12 | 1400 | | | |
| Relinquished by | Date | Time | Received by | Date | Time |
| Relinquished by | Date | Time | Received by | Date | Time |
| Relinquished by | Date | Time | Received by | Date | Time |
| Relinquished by | Date | Time | Received by Coley Eshleman | Date 10/24/12 | Time 0930 |

EDD Required? (Yes) No
If yes, format: Excel

Site-Specific QC (MS/MSD/Dup)? (Yes) No
(If yes, indicate QC sample and submit triplicate sample volume.)

Relinquished by Commercial Carrier:
UPS ____ FedEx V Other ____

Temperature upon receipt 4.3 °C



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Issued by Dept. 40 Management
The white copy should accompany samples to Eurofins Lancaster Laboratories. The yellow copy should be retained by the client.
7044.02

# Environmental Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

Acct. # 6556 For Eurofins Lancaster Laboratories use only Group # 1344398 Sample # 6834579-91
Instructions on reverse side correspond with circled numbers.

**COC # 315034**

## 1 Client Information

| | |
|---|---|
| Client: Johnson Co. | Acct. #: |
| Project Name/#: AD/GA 1-0145-04 | PWSID #: |
| Project Manager: Glen Kirkpatrick | P.O. #: 1-0145-04 |
| Sampler: Ross Predom | Quote #: |

Name of state where samples were collected: GA

## 4 Matrix

Soil ☐ Sediment ☐ Water ☒ Ground ☐ Potable ☐ NPDES ☐ Surface ☐ Other: ____

## 5 Analysis Requested

Preservation Codes: H

| 2 Sample Identification | Collected Date | Collected Time | 3 Grab | 3 Composite | Total # of Containers | 1,4-Dioxane 1SO 8260 SIM | 8260 standard Master |
|---|---|---|---|---|---|---|---|
| MW-25DRX | 10-23-12 | 1245 | X | | 6 | X | X |
| SSA | ↓ | 1355 | | X | 6 | X | X |
| WSA | ↓ | 1345 | | X | 6 | X | X |

For Lab Use Only
FSC: ____
SCR#: ____

**Preservation Codes**
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

## 6 Remarks

Please use PQL of 2 µg/L for Vinyl chloride

## 7 Turnaround Time (TAT) Requested (please circle)

Standard Rush

(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)

Date results are needed: ____

E-mail address: GAK@JCOMAIL.COM

## 8 Data Package Options (circle if required)

Type I (Validation/non-CLP) Type VI (Raw Data Only)
Type III (Reduced non-CLP) TX TRRP-13
Type IV (CLP SOW) MA MCP CT RCP

| Relinquished by | Date | Time | Received by | Date | Time |
|---|---|---|---|---|---|
| | 10-23-12 | 1400 | | | |
| Relinquished by | Date | Time | Received by | Date | Time |
| Relinquished by | Date | Time | Received by | Date | Time |
| Relinquished by | Date | Time | Received by | Date | Time |
| Relinquished by | Date | Time | Received by Corey Eshleman | 10/24/12 | 0920 |

## 9

EDD Required? (Yes) No
If yes, format: Excel

Site-Specific QC (MS/MSD/Dup)? (Yes) No
(If yes, indicate QC sample and submit triplicate sample volume.)

Relinquished by Commercial Carrier:
UPS ____ FedEx ✓ Other ____

Temperature upon receipt 4.3 °C

eurofins | Lancaster Laboratories

G-1344398

# Environmental Sample Administration Receipt Documentation Log

Client/Project: Johnson Co

Date of Receipt: 10/24/12

Time of Receipt: 0920

Source Code: 50-1

Shipping Container Sealed: (YES) NO

Custody Seal Present * : (YES) NO

* Custody seal was intact unless otherwise noted in the discrepancy section

Package: (Chilled) Not Chilled

| Temperature of Shipping Containers | | | | | | | |
|---|---|---|---|---|---|---|---|
| Cooler # | Thermometer ID | Temperature (°C) | Temp Bottle (TB) or Surface Temp (ST) | Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP) | Ice Present? Y/N | Loose (L) Bagged Ice (B) or NA | Comments |
| 1 | 2737 | 4.3 | TB | WI | Y | B | |
| 2 | ↓ | 4.2 | ↓ | ↓ | ↓ | ↓ | |
| 3 | ↓ | 3.7 | ↓ | ↓ | ↓ | ↓ | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |

Number of Trip Blanks received NOT listed on chain of custody: Ø

Paperwork Discrepancy/Unpacking Problems:

Unpacker Signature/Emp#: Cody Eshleman 3647 Date/Time: 10/24/12 1055

Issued by Dept. 6042 Management

2174.06

# Explanation of Symbols and Abbreviations

*The following defines common symbols and abbreviations used in reporting technical data:*

| | | | |
|---|---|---|---|
| **RL** | Reporting Limit | **BMQL** | Below Minimum Quantitation Level |
| **N.D.** | none detected | **MPN** | Most Probable Number |
| **TNTC** | Too Numerous To Count | **CP Units** | cobalt-chloroplatinate units |
| **IU** | International Units | **NTU** | nephelometric turbidity units |
| **umhos/cm** | micromhos/cm | **ng** | nanogram(s) |
| **C** | degrees Celsius | **F** | degrees Fahrenheit |
| **meq** | milliequivalents | **lb.** | pound(s) |
| **g** | gram(s) | **kg** | kilogram(s) |
| **µg** | microgram(s) | **mg** | milligram(s) |
| **mL** | milliliter(s) | **L** | liter(s) |
| **m3** | cubic meter(s) | **µL** | microliter(s) |
| | | **pg/L** | picogram/liter |

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**J** estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

*U.S. EPA CLP Data Qualifiers:*

**Organic Qualifiers**

| | |
|---|---|
| **A** | TIC is a possible aldol-condensation product |
| **B** | Analyte was also detected in the blank |
| **C** | Pesticide result confirmed by GC/MS |
| **D** | Compound quantitated on a diluted sample |
| **E** | Concentration exceeds the calibration range of the instrument |
| **N** | Presumptive evidence of a compound (TICs only) |
| **P** | Concentration difference between primary and confirmation columns >25% |
| **U** | Compound was not detected |
| **X,Y,Z** | Defined in case narrative |

**Inorganic Qualifiers**

| | |
|---|---|
| **B** | Value is <CRDL, but ≥IDL |
| **E** | Estimated due to interference |
| **M** | Duplicate injection precision not met |
| **N** | Spike sample not within control limits |
| **S** | Method of standard additions (MSA) used for calculation |
| **U** | Compound was not detected |
| **W** | Post digestion spike out of control limits |
| ***** | Duplicate analysis not within control limits |
| **+** | Correlation coefficient for MSA <0.995 |

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

November 02, 2012

Project: Avery Dennison / Flowery Branch, GA

Submittal Date: 10/24/2012
Group Number: 1344412
PO Number: 1-0145-4
State of Sample Origin: GA

| Client Sample Description | Lancaster Labs (LLI) # |
|---|---|
| TB-TEH Water | 6834614 |
| MW-59D Grab Groundwater | 6834615 |
| MW-59D Matrix Spike Grab Groundwater | 6834616 |
| MW-59D Matrix Spk. Dup. Grab Groundwater | 6834617 |
| MW-26D Grab Groundwater | 6834618 |
| MW-26S Grab Groundwater | 6834619 |
| BR-20D Grab Groundwater | 6834620 |
| MW-58S Grab Groundwater | 6834621 |
| MW-66 Grab Groundwater | 6834622 |
| MW-58D Grab Groundwater | 6834623 |
| MW-12 Grab Groundwater | 6834624 |
| DP-3 Grab Groundwater | 6834625 |
| EB-2 Grab Groundwater | 6834626 |
| MW-32 Grab Groundwater | 6834627 |
| MW-1 Grab Groundwater | 6834628 |
| MW-2 Grab Groundwater | 6834629 |
| MW-3 Grab Groundwater | 6834630 |
| MW-4 Grab Groundwater | 6834631 |
| TB-JEP Water | 6834632 |
| MW-5 Grab Groundwater | 6834633 |
| MW-63 Grab Groundwater | 6834634 |
| MW-65D Grab Groundwater | 6834635 |
| DP-4 Grab Groundwater | 6834636 |

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO The Johnson Company, Inc. Attn: Glen Kirkpatrick

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Respectfully Submitted,



Wendy A. Kozma
Principal Specialist Group Leader

(717) 556-7257

**Sample Description: TB-TEH Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834614**
**LLI Group # 1344412**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2012

Submitted: 10/24/2012 09:20
Reported: 11/02/2012 16:34

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

RJPTB

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: methylene chloride and trans-1,3-dichloropropene.

| | | | | | |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Sample Description: TB-TEH Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834614**
**LLI Group # 1344412**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2012

Submitted: 10/24/2012 09:20
Reported: 11/02/2012 16:34

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

RJPTB

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y122992AA | 10/25/2012 22:07 | Sarah A Guill | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E123032AA | 10/29/2012 18:35 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y122992AA | 10/25/2012 22:07 | Sarah A Guill | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E123032AA | 10/29/2012 18:35 | Sara E Johnson | 1 |

**Sample Description: MW-59D Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834615**
**LLI Group # 1344412**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2012 09:32 by TEH

Submitted: 10/24/2012 09:20
Reported: 11/02/2012 16:34

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

M-59D

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 22 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 380 | 50 | 10 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 540 | 20 | 10 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | 7 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 300 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | 7 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: methylene chloride and trans-1,3-dichloropropene.

| | | | | | |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 7.2 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Sample Description: MW-59D Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834615**
**LLI Group # 1344412**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2012 09:32 by TEH

Submitted: 10/24/2012 09:20
Reported: 11/02/2012 16:34

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

M-59D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y122992AA | 10/26/2012 02:34 | Sarah A Guill | 1 |
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y123001AA | 10/26/2012 15:52 | Angela D Sneeringer | 10 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E123032AA | 10/29/2012 18:55 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y122992AA | 10/26/2012 02:34 | Sarah A Guill | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | Y123001AA | 10/26/2012 15:52 | Angela D Sneeringer | 10 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 3 | E123032AA | 10/29/2012 18:55 | Sara E Johnson | 1 |

**Sample Description: MW-59D Matrix Spike Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834616**
**LLI Group # 1344412**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2012 09:32 by TEH

Submitted: 10/24/2012 09:20
Reported: 11/02/2012 16:34

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

M-59D

| CAT No. | Analysis Name | CAS Number | As Received Result | | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | | **ug/l** | |
| 10903 | Acetone | 67-64-1 | 130 | | 20 | 1 |
| 10903 | Benzene | 71-43-2 | 25 | | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | 22 | | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | 18 | | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | 17 | | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | 150 | | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | 23 | | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | 28 | | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | 23 | | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 43 | | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | 23 | | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | 24 | | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | 22 | | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 450 | E | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | 24 | | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 620 | E | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | 27 | | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | 24 | | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | 23 | | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | 23 | | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | 20 | | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | 24 | | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | 92 | | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | 95 | | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | 23 | | 5 | 1 |
| 10903 | Styrene | 100-42-5 | 22 | | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 20 | | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | 34 | | 5 | 1 |
| 10903 | Toluene | 108-88-3 | 24 | | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 400 | E | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | 22 | | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | 34 | | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 21 | | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | 70 | | 5 | 1 |

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: methylene chloride and trans-1,3-dichloropropene.

| | | | | | | |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 12 | | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Sample Description: MW-59D Matrix Spike Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834616**
**LLI Group # 1344412**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2012 09:32 by TEH

Submitted: 10/24/2012 09:20
Reported: 11/02/2012 16:34

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

M-59D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y122992AA | 10/26/2012 02:55 | Sarah A Guill | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E123032AA | 10/29/2012 19:15 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y122992AA | 10/26/2012 02:55 | Sarah A Guill | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E123032AA | 10/29/2012 19:15 | Sara E Johnson | 1 |

**Sample Description: MW-59D Matrix Spk. Dup. Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834617**
**LLI Group # 1344412**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2012 09:32 by TEH

Submitted: 10/24/2012 09:20
Reported: 11/02/2012 16:34

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

M-59D

| CAT No. | Analysis Name | CAS Number | As Received Result | | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | | **ug/l** | |
| 10903 | Acetone | 67-64-1 | 130 | | 20 | 1 |
| 10903 | Benzene | 71-43-2 | 21 | | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | 19 | | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | 15 | | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | 13 | | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | 140 | | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | 19 | | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | 24 | | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | 20 | | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 35 | | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | 19 | | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | 20 | | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | 18 | | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 390 | E | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | 20 | | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 540 | E | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | 23 | | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | 21 | | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | 20 | | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | 20 | | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | 17 | | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | 20 | | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | 85 | | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | 87 | | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | 19 | | 5 | 1 |
| 10903 | Styrene | 100-42-5 | 19 | | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 18 | | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | 29 | | 5 | 1 |
| 10903 | Toluene | 108-88-3 | 20 | | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 340 | E | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | 19 | | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | 29 | | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 18 | | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | 59 | | 5 | 1 |

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: methylene chloride and trans-1,3-dichloropropene.

| | | | | | | |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 11 | | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Sample Description: MW-59D Matrix Spk. Dup. Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834617**
**LLI Group # 1344412**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2012 09:32 by TEH

Submitted: 10/24/2012 09:20
Reported: 11/02/2012 16:34

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

M-59D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y122992AA | 10/26/2012 03:15 | Sarah A Guill | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E123032AA | 10/29/2012 19:35 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y122992AA | 10/26/2012 03:15 | Sarah A Guill | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E123032AA | 10/29/2012 19:35 | Sara E Johnson | 1 |

**Sample Description: MW-26D Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834618**
**LLI Group # 1344412**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2012 11:17 by TEH

Submitted: 10/24/2012 09:20
Reported: 11/02/2012 16:34

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100 State Street
Montpelier VT 05602

M-26D

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 10 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-26D Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834618**
**LLI Group # 1344412**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2012 11:17 by TEH

Submitted: 10/24/2012 09:20
Reported: 11/02/2012 16:34

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

M-26D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y123001AA | 10/26/2012 16:12 | Angela D Sneeringer | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E123032AA | 10/29/2012 22:35 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y123001AA | 10/26/2012 16:12 | Angela D Sneeringer | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E123032AA | 10/29/2012 22:35 | Sara E Johnson | 1 |

**Sample Description: MW-26S Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834619**
**LLI Group # 1344412**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2012 12:07 by TEH

Submitted: 10/24/2012 09:20
Reported: 11/02/2012 16:34

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

M-26S

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 6 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 130 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 35 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-26S Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834619**
**LLI Group # 1344412**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2012 12:07 by TEH

Submitted: 10/24/2012 09:20
Reported: 11/02/2012 16:34

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

M-26S

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y123001AA | 10/26/2012 16:32 | Angela D Sneeringer | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E123032AA | 10/29/2012 22:55 | Sara E Johnson | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y123001AA | 10/26/2012 16:32 | Angela D Sneeringer | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E123032AA | 10/29/2012 22:55 | Sara E Johnson | 1 |

**Sample Description: BR-20D Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834620**
**LLI Group # 1344412**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2012 13:02 by TEH

Submitted: 10/24/2012 09:20
Reported: 11/02/2012 16:34

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

B20D-

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 15 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 11 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

The recovery for the sample internal standard is outside the QC acceptance limits. The following corrective action was taken: The sample was re-analyzed and the QC is again outside of the acceptance limits, indicating a matrix effect. The data is reported from the initial trial.

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Sample Description: BR-20D Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834620**
**LLI Group # 1344412**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2012 13:02 by TEH

Submitted: 10/24/2012 09:20
Reported: 11/02/2012 16:34

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

B20D-

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y123001AA | 10/26/2012 16:53 | Angela D Sneeringer | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E123032AB | 10/30/2012 12:12 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y123001AA | 10/26/2012 16:53 | Angela D Sneeringer | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E123032AB | 10/30/2012 12:12 | Jason M Long | 1 |

**Sample Description: MW-58S Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834621**
**LLI Group # 1344412**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2012 17:17 by TEH

Submitted: 10/24/2012 09:20
Reported: 11/02/2012 16:34

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

M-58S

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | 7 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 37 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 56 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | 5 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-58S Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834621**
**LLI Group # 1344412**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2012 17:17 by TEH

Submitted: 10/24/2012 09:20
Reported: 11/02/2012 16:34

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

M-58S

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y123001AA | 10/26/2012 17:14 | Angela D Sneeringer | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E123041AA | 10/30/2012 14:12 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y123001AA | 10/26/2012 17:14 | Angela D Sneeringer | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E123041AA | 10/30/2012 14:12 | Jason M Long | 1 |

**Sample Description: MW-66 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834622**
**LLI Group # 1344412**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2012 14:22 by TEH

Submitted: 10/24/2012 09:20
Reported: 11/02/2012 16:34

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

M-66-

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 2.3 | 2.0 | 1 |

A preserved vial was submitted for analysis. However, the pH at the time of analysis was 5.

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

**Sample Description: MW-66 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834622**
**LLI Group # 1344412**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2012 14:22 by TEH

Submitted: 10/24/2012 09:20
Reported: 11/02/2012 16:34

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

M-66-

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y123001AA | 10/26/2012 17:34 | Angela D Sneeringer | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E123041AA | 10/30/2012 14:32 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y123001AA | 10/26/2012 17:34 | Angela D Sneeringer | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E123041AA | 10/30/2012 14:32 | Jason M Long | 1 |

**Sample Description: MW-58D Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834623**
**LLI Group # 1344412**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/23/2012 09:02 by TEH

Submitted: 10/24/2012 09:20
Reported: 11/02/2012 16:34

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

M-58D

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 76 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 130 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-58D Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834623**
**LLI Group # 1344412**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/23/2012 09:02 by TEH

Submitted: 10/24/2012 09:20
Reported: 11/02/2012 16:34

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

M-58D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y123001AA | 10/26/2012 17:55 | Angela D Sneeringer | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E123041AA | 10/30/2012 14:52 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y123001AA | 10/26/2012 17:55 | Angela D Sneeringer | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E123041AA | 10/30/2012 14:52 | Jason M Long | 1 |

**Sample Description: MW-12 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834624**
**LLI Group # 1344412**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/23/2012 10:07 by JP

Submitted: 10/24/2012 09:20
Reported: 11/02/2012 16:34

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

M-12-

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 4.8 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-12 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834624**
**LLI Group # 1344412**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/23/2012 10:07 by JP

Submitted: 10/24/2012 09:20
Reported: 11/02/2012 16:34

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

M-12-

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y123001AA | 10/26/2012 18:16 | Angela D Sneeringer | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E123041AA | 10/30/2012 17:53 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y123001AA | 10/26/2012 18:16 | Angela D Sneeringer | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E123041AA | 10/30/2012 17:53 | Jason M Long | 1 |

**Sample Description: DP-3 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834625**
**LLI Group # 1344412**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/23/2012 11:00 by JP

Submitted: 10/24/2012 09:20
Reported: 11/02/2012 16:34

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

DP3--

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 4.6 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: DP-3 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834625**
**LLI Group # 1344412**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/23/2012 11:00 by JP

Submitted: 10/24/2012 09:20
Reported: 11/02/2012 16:34

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

DP3--

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y123041AA | 10/30/2012 17:28 | Kerri E Legerlotz | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E123041AA | 10/30/2012 18:13 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y123041AA | 10/30/2012 17:28 | Kerri E Legerlotz | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E123041AA | 10/30/2012 18:13 | Jason M Long | 1 |

**Sample Description: EB-2 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834626**
**LLI Group # 1344412**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/23/2012 11:15 by JP

Submitted: 10/24/2012 09:20
Reported: 11/02/2012 16:34

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

-EB2-

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: EB-2 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834626**
**LLI Group # 1344412**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/23/2012 11:15 by JP

Submitted: 10/24/2012 09:20
Reported: 11/02/2012 16:34

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

-EB2-

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y123001AA | 10/26/2012 15:12 | Angela D Sneeringer | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E123041AA | 10/30/2012 13:12 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y123001AA | 10/26/2012 15:12 | Angela D Sneeringer | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E123041AA | 10/30/2012 13:12 | Jason M Long | 1 |

**Sample Description: MW-32 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834627**
**LLI Group # 1344412**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2012 09:30 by JP

Submitted: 10/24/2012 09:20
Reported: 11/02/2012 16:34

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

M-32-

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-32 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834627**
**LLI Group # 1344412**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2012 09:30 by JP

Submitted: 10/24/2012 09:20
Reported: 11/02/2012 16:34

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

M-32-

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y123001AA | 10/26/2012 18:36 | Angela D Sneeringer | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E123041AA | 10/30/2012 15:12 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y123001AA | 10/26/2012 18:36 | Angela D Sneeringer | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E123041AA | 10/30/2012 15:12 | Jason M Long | 1 |

**Sample Description: MW-1 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834628**
**LLI Group # 1344412**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2012 11:20 by JP

Submitted: 10/24/2012 09:20
Reported: 11/02/2012 16:34

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Suite 600
100 State Street
Montpelier VT 05602

M-1--

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-1 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834628**
**LLI Group # 1344412**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2012 11:20 by JP

Submitted: 10/24/2012 09:20
Reported: 11/02/2012 16:34

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

M-1--

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y123001AA | 10/26/2012 18:57 | Angela D Sneeringer | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E123041AA | 10/30/2012 15:33 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y123001AA | 10/26/2012 18:57 | Angela D Sneeringer | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E123041AA | 10/30/2012 15:33 | Jason M Long | 1 |

**Sample Description: MW-2 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834629**
**LLI Group # 1344412**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2012 13:05 by JP

Submitted: 10/24/2012 09:20
Reported: 11/02/2012 16:34

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

M-2--

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-2 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834629**
**LLI Group # 1344412**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2012 13:05 by JP

Submitted: 10/24/2012 09:20
Reported: 11/02/2012 16:34

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

M-2--

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y123001AA | 10/26/2012 19:17 | Angela D Sneeringer | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E123041AA | 10/30/2012 15:53 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y123001AA | 10/26/2012 19:17 | Angela D Sneeringer | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E123041AA | 10/30/2012 15:53 | Jason M Long | 1 |

**Sample Description: MW-3 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834630**
**LLI Group # 1344412**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2012 14:45 by JP

Submitted: 10/24/2012 09:20
Reported: 11/02/2012 16:34

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

M-3--

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 7 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 46 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 4.9 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-3 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834630**
**LLI Group # 1344412**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2012 14:45 by JP

Submitted: 10/24/2012 09:20
Reported: 11/02/2012 16:34

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

M-3--

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y123001AA | 10/26/2012 19:38 | Angela D Sneeringer | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E123041AA | 10/30/2012 17:33 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y123001AA | 10/26/2012 19:38 | Angela D Sneeringer | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E123041AA | 10/30/2012 17:33 | Jason M Long | 1 |

**Sample Description: MW-4 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834631**
**LLI Group # 1344412**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2012 16:50 by JP

Submitted: 10/24/2012 09:20
Reported: 11/02/2012 16:34

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Suite 600
100 State Street
Montpelier VT 05602

M-4--

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-4 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834631**
**LLI Group # 1344412**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2012 16:50 by JP

Submitted: 10/24/2012 09:20
Reported: 11/02/2012 16:34

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

M-4--

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y123001AA | 10/26/2012 19:59 | Angela D Sneeringer | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E123041AA | 10/30/2012 16:13 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y123001AA | 10/26/2012 19:59 | Angela D Sneeringer | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E123041AA | 10/30/2012 16:13 | Jason M Long | 1 |

**Sample Description: TB-JEP Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834632**
**LLI Group # 1344412**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2012

Submitted: 10/24/2012 09:20
Reported: 11/02/2012 16:34

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

TBJEP

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | < 2.0 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: TB-JEP Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834632**
**LLI Group # 1344412**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/22/2012

Submitted: 10/24/2012 09:20
Reported: 11/02/2012 16:34

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

TBJEP

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y123001AA | 10/26/2012 15:32 | Angela D Sneeringer | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E123041AA | 10/30/2012 13:52 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y123001AA | 10/26/2012 15:32 | Angela D Sneeringer | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E123041AA | 10/30/2012 13:52 | Jason M Long | 1 |

**Sample Description: MW-5 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834633**
**LLI Group # 1344412**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/23/2012 09:35 by JP

Submitted: 10/24/2012 09:20
Reported: 11/02/2012 16:34

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

M-5--

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 9 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 75 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 3.7 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-5 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834633**
**LLI Group # 1344412**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/23/2012 09:35 by JP

Submitted: 10/24/2012 09:20
Reported: 11/02/2012 16:34

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

M-5--

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y123041AA | 10/30/2012 17:49 | Kerri E Legerlotz | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E123041AA | 10/30/2012 19:13 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y123041AA | 10/30/2012 17:49 | Kerri E Legerlotz | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | E123041AA | 10/30/2012 19:13 | Jason M Long | 1 |

**Sample Description: MW-63 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834634**
**LLI Group # 1344412**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/23/2012 11:15 by JP

Submitted: 10/24/2012 09:20
Reported: 11/02/2012 16:34

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

M-63-

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 6 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 68 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 29 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 6.4 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-63 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834634**
**LLI Group # 1344412**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/23/2012 11:15 by JP

Submitted: 10/24/2012 09:20
Reported: 11/02/2012 16:34

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

M-63-

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y123041AA | 10/30/2012 18:09 | Kerri E Legerlotz | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E123041AA | 10/30/2012 16:33 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E123041AA | 10/30/2012 16:33 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | Y123041AA | 10/30/2012 18:09 | Kerri E Legerlotz | 1 |

**Sample Description: MW-65D Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834635**
**LLI Group # 1344412**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/23/2012 13:10 by JP

Submitted: 10/24/2012 09:20
Reported: 11/02/2012 16:34

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

M-65D

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 42 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 15 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 20 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: MW-65D Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834635**
**LLI Group # 1344412**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/23/2012 13:10 by JP

Submitted: 10/24/2012 09:20
Reported: 11/02/2012 16:34

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

M-65D

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y123041AA | 10/30/2012 18:30 | Kerri E Legerlotz | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E123041AA | 10/30/2012 17:13 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E123041AA | 10/30/2012 17:13 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | Y123041AA | 10/30/2012 18:30 | Kerri E Legerlotz | 1 |

**Sample Description: DP-4 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834636**
**LLI Group # 1344412**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/23/2012 14:00 by JP

Submitted: 10/24/2012 09:20
Reported: 11/02/2012 16:34

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

DP4--

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 32 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 13 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **GC/MS Volatiles** | **SW-846 8260B SIM** | | **ug/l** | **ug/l** | |
| 00527 | 1,4-Dioxane | 123-91-1 | 20 | 2.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

**Sample Description: DP-4 Grab Groundwater**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6834636**
**LLI Group # 1344412**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/23/2012 14:00 by JP

Submitted: 10/24/2012 09:20
Reported: 11/02/2012 16:34

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

DP4--

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | 8260 Std. Water Master | SW-846 8260B | 1 | Y123041AA | 10/30/2012 18:51 | Kerri E Legerlotz | 1 |
| 00527 | 1,4-Dioxane by Isotope Dil SIM | SW-846 8260B SIM | 1 | E123041AA | 10/30/2012 16:52 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | E123041AA | 10/30/2012 16:52 | Jason M Long | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | Y123041AA | 10/30/2012 18:51 | Kerri E Legerlotz | 1 |

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1344412
Reported: 11/02/12 at 04:34 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

## Laboratory Compliance Quality Control

| Analysis Name | Blank Result | Blank LOQ | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: E123032AA | Sample number(s): 6834614-6834619 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 80 | | 80-123 | | |
| Batch number: E123032AB | Sample number(s): 6834620 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 80 | | 80-123 | | |
| Batch number: E123041AA | Sample number(s): 6834621-6834636 | | | | | | | |
| 1,4-Dioxane | < 2.0 | 2.0 | ug/l | 83 | 85 | 80-123 | 3 | 30 |
| Batch number: Y122992AA | Sample number(s): 6834614-6834617 | | | | | | | |
| Acetone | < 20 | 20. | ug/l | 87 | | 49-234 | | |
| Benzene | < 5 | 5. | ug/l | 86 | | 77-121 | | |
| Bromodichloromethane | < 5 | 5. | ug/l | 79 | | 73-120 | | |
| Bromoform | < 5 | 5. | ug/l | 64 | | 61-120 | | |
| Bromomethane | < 5 | 5. | ug/l | 55 | | 44-120 | | |
| 2-Butanone | < 10 | 10. | ug/l | 91 | | 53-155 | | |
| Carbon Disulfide | < 5 | 5. | ug/l | 74 | | 62-125 | | |
| Carbon Tetrachloride | < 5 | 5. | ug/l | 81 | | 67-122 | | |
| Chlorobenzene | < 5 | 5. | ug/l | 84 | | 80-120 | | |
| Chloroethane | < 5 | 5. | ug/l | 64 | | 49-129 | | |
| Chloroform | < 5 | 5. | ug/l | 80 | | 77-122 | | |
| Chloromethane | < 5 | 5. | ug/l | 74 | | 60-129 | | |
| Dibromochloromethane | < 5 | 5. | ug/l | 77 | | 72-120 | | |
| 1,1-Dichloroethane | < 5 | 5. | ug/l | 86 | | 79-120 | | |
| 1,2-Dichloroethane | < 5 | 5. | ug/l | 86 | | 64-130 | | |
| 1,1-Dichloroethene | < 2 | 2. | ug/l | 80 | | 76-124 | | |
| cis-1,2-Dichloroethene | < 5 | 5. | ug/l | 87 | | 80-120 | | |
| trans-1,2-Dichloroethene | < 5 | 5. | ug/l | 83 | | 80-120 | | |
| 1,2-Dichloropropane | < 5 | 5. | ug/l | 84 | | 80-120 | | |
| cis-1,3-Dichloropropene | < 5 | 5. | ug/l | 81 | | 78-120 | | |
| trans-1,3-Dichloropropene | < 5 | 5. | ug/l | 72* | | 73-120 | | |
| Ethylbenzene | < 5 | 5. | ug/l | 83 | | 79-120 | | |
| 2-Hexanone | < 10 | 10. | ug/l | 81 | | 53-139 | | |
| 4-Methyl-2-pentanone | < 10 | 10. | ug/l | 82 | | 58-133 | | |
| Methylene Chloride | < 5 | 5. | ug/l | 80* | | 84-118 | | |
| Styrene | < 5 | 5. | ug/l | 80 | | 77-120 | | |
| 1,1,2,2-Tetrachloroethane | < 5 | 5. | ug/l | 80 | | 75-123 | | |
| Tetrachloroethene | < 5 | 5. | ug/l | 85 | | 79-120 | | |
| Toluene | < 5 | 5. | ug/l | 84 | | 79-120 | | |
| 1,1,1-Trichloroethane | < 5 | 5. | ug/l | 80 | | 66-126 | | |
| 1,1,2-Trichloroethane | < 5 | 5. | ug/l | 83 | | 80-120 | | |
| Trichloroethene | < 5 | 5. | ug/l | 86 | | 80-120 | | |
| Vinyl Chloride | < 2 | 2. | ug/l | 70 | | 56-123 | | |
| Xylene (Total) | < 5 | 5. | ug/l | 83 | | 77-120 | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1344412
Reported: 11/02/12 at 04:34 PM

| Analysis Name | Blank Result | Blank LOQ | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: Y123001AA | Sample number(s): 6834615,6834618-6834624,6834626-6834632 | | | | | | | |
| Acetone | < 20 | 20. | ug/l | 170 | 163 | 49-234 | 4 | 30 |
| Benzene | < 5 | 5. | ug/l | 113 | 116 | 77-121 | 3 | 30 |
| Bromodichloromethane | < 5 | 5. | ug/l | 106 | 108 | 73-120 | 2 | 30 |
| Bromoform | < 5 | 5. | ug/l | 90 | 93 | 61-120 | 3 | 30 |
| Bromomethane | < 5 | 5. | ug/l | 73 | 81 | 44-120 | 10 | 30 |
| 2-Butanone | < 10 | 10. | ug/l | 137 | 137 | 53-155 | 0 | 30 |
| Carbon Disulfide | < 5 | 5. | ug/l | 102 | 102 | 62-125 | 0 | 30 |
| Carbon Tetrachloride | < 5 | 5. | ug/l | 113 | 114 | 67-122 | 1 | 30 |
| Chlorobenzene | < 5 | 5. | ug/l | 111 | 114 | 80-120 | 3 | 30 |
| Chloroethane | < 5 | 5. | ug/l | 83 | 90 | 49-129 | 8 | 30 |
| Chloroform | < 5 | 5. | ug/l | 107 | 109 | 77-122 | 2 | 30 |
| Chloromethane | < 5 | 5. | ug/l | 103 | 107 | 60-129 | 3 | 30 |
| Dibromochloromethane | < 5 | 5. | ug/l | 106 | 109 | 72-120 | 2 | 30 |
| 1,1-Dichloroethane | < 5 | 5. | ug/l | 114 | 116 | 79-120 | 2 | 30 |
| 1,2-Dichloroethane | < 5 | 5. | ug/l | 114 | 117 | 64-130 | 2 | 30 |
| 1,1-Dichloroethene | < 2 | 2. | ug/l | 110 | 109 | 76-124 | 0 | 30 |
| cis-1,2-Dichloroethene | < 5 | 5. | ug/l | 116 | 118 | 80-120 | 1 | 30 |
| trans-1,2-Dichloroethene | < 5 | 5. | ug/l | 109 | 116 | 80-120 | 6 | 30 |
| 1,2-Dichloropropane | < 5 | 5. | ug/l | 111 | 114 | 80-120 | 2 | 30 |
| cis-1,3-Dichloropropene | < 5 | 5. | ug/l | 112 | 114 | 78-120 | 2 | 30 |
| trans-1,3-Dichloropropene | < 5 | 5. | ug/l | 98 | 102 | 73-120 | 3 | 30 |
| Ethylbenzene | < 5 | 5. | ug/l | 110 | 113 | 79-120 | 3 | 30 |
| 2-Hexanone | < 10 | 10. | ug/l | 106 | 107 | 53-139 | 1 | 30 |
| 4-Methyl-2-pentanone | < 10 | 10. | ug/l | 99 | 101 | 58-133 | 2 | 30 |
| Methylene Chloride | < 5 | 5. | ug/l | 104 | 106 | 84-118 | 2 | 30 |
| Styrene | < 5 | 5. | ug/l | 106 | 110 | 77-120 | 4 | 30 |
| 1,1,2,2-Tetrachloroethane | < 5 | 5. | ug/l | 103 | 105 | 75-123 | 2 | 30 |
| Tetrachloroethene | < 5 | 5. | ug/l | 114 | 118 | 79-120 | 4 | 30 |
| Toluene | < 5 | 5. | ug/l | 110 | 114 | 79-120 | 4 | 30 |
| 1,1,1-Trichloroethane | < 5 | 5. | ug/l | 103 | 106 | 66-126 | 3 | 30 |
| 1,1,2-Trichloroethane | < 5 | 5. | ug/l | 108 | 111 | 80-120 | 3 | 30 |
| Trichloroethene | < 5 | 5. | ug/l | 114 | 116 | 80-120 | 2 | 30 |
| Vinyl Chloride | < 2 | 2. | ug/l | 92 | 93 | 56-123 | 1 | 30 |
| Xylene (Total) | < 5 | 5. | ug/l | 109 | 113 | 77-120 | 3 | 30 |
| Batch number: Y123041AA | Sample number(s): 6834625,6834633-6834636 | | | | | | | |
| Acetone | < 20 | 20. | ug/l | 94 | 106 | 49-234 | 13 | 30 |
| Benzene | < 5 | 5. | ug/l | 115 | 119 | 77-121 | 3 | 30 |
| Bromodichloromethane | < 5 | 5. | ug/l | 110 | 114 | 73-120 | 3 | 30 |
| Bromoform | < 5 | 5. | ug/l | 96 | 99 | 61-120 | 4 | 30 |
| Bromomethane | < 5 | 5. | ug/l | 90 | 91 | 44-120 | 1 | 30 |
| 2-Butanone | < 10 | 10. | ug/l | 105 | 112 | 53-155 | 6 | 30 |
| Carbon Disulfide | < 5 | 5. | ug/l | 104 | 109 | 62-125 | 4 | 30 |
| Carbon Tetrachloride | < 5 | 5. | ug/l | 113 | 117 | 67-122 | 3 | 30 |
| Chlorobenzene | < 5 | 5. | ug/l | 111 | 114 | 80-120 | 3 | 30 |
| Chloroethane | < 5 | 5. | ug/l | 102 | 103 | 49-129 | 1 | 30 |
| Chloroform | < 5 | 5. | ug/l | 107 | 111 | 77-122 | 3 | 30 |
| Chloromethane | < 5 | 5. | ug/l | 109 | 110 | 60-129 | 1 | 30 |
| Dibromochloromethane | < 5 | 5. | ug/l | 111 | 114 | 72-120 | 3 | 30 |
| 1,1-Dichloroethane | < 5 | 5. | ug/l | 115 | 117 | 79-120 | 2 | 30 |
| 1,2-Dichloroethane | < 5 | 5. | ug/l | 111 | 114 | 64-130 | 3 | 30 |
| 1,1-Dichloroethene | < 2 | 2. | ug/l | 117 | 121 | 76-124 | 3 | 30 |
| cis-1,2-Dichloroethene | < 5 | 5. | ug/l | 117 | 120 | 80-120 | 2 | 30 |
| trans-1,2-Dichloroethene | < 5 | 5. | ug/l | 117 | 120 | 80-120 | 2 | 30 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1344412
Reported: 11/02/12 at 04:34 PM

| Analysis Name | Blank Result | Blank LOQ | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloropropane | < 5 | 5. | ug/l | 113 | 116 | 80-120 | 3 | 30 |
| cis-1,3-Dichloropropene | < 5 | 5. | ug/l | 121* | 125* | 78-120 | 4 | 30 |
| trans-1,3-Dichloropropene | < 5 | 5. | ug/l | 111 | 116 | 73-120 | 4 | 30 |
| Ethylbenzene | < 5 | 5. | ug/l | 112 | 116 | 79-120 | 3 | 30 |
| 2-Hexanone | < 10 | 10. | ug/l | 100 | 105 | 53-139 | 5 | 30 |
| 4-Methyl-2-pentanone | < 10 | 10. | ug/l | 105 | 108 | 58-133 | 3 | 30 |
| Methylene Chloride | < 5 | 5. | ug/l | 109 | 110 | 84-118 | 1 | 30 |
| Styrene | < 5 | 5. | ug/l | 113 | 117 | 77-120 | 4 | 30 |
| 1,1,2,2-Tetrachloroethane | < 5 | 5. | ug/l | 107 | 111 | 75-123 | 4 | 30 |
| Tetrachloroethene | < 5 | 5. | ug/l | 115 | 119 | 79-120 | 4 | 30 |
| Toluene | < 5 | 5. | ug/l | 112 | 116 | 79-120 | 3 | 30 |
| 1,1,1-Trichloroethane | < 5 | 5. | ug/l | 107 | 110 | 66-126 | 2 | 30 |
| 1,1,2-Trichloroethane | < 5 | 5. | ug/l | 110 | 114 | 80-120 | 3 | 30 |
| Trichloroethene | < 5 | 5. | ug/l | 114 | 118 | 80-120 | 3 | 30 |
| Vinyl Chloride | < 2 | 2. | ug/l | 106 | 108 | 56-123 | 2 | 30 |
| Xylene (Total) | < 5 | 5. | ug/l | 113 | 116 | 77-120 | 3 | 30 |

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| Batch number: E123032AA | Sample number(s): 6834614-6834619 UNSPK: 6834615 | | | | | | | | |
| 1,4-Dioxane | 90 | 73 | 73-138 | 7 | 30 | | | | |
| Batch number: E123032AB | Sample number(s): 6834620 UNSPK: 6834615 | | | | | | | | |
| 1,4-Dioxane | 90 | 73 | 73-138 | 7 | 30 | | | | |
| Batch number: Y122992AA | Sample number(s): 6834614-6834617 UNSPK: 6834615 | | | | | | | | |
| Acetone | 88 | 87 | 33-159 | 2 | 30 | | | | |
| Benzene | 123 | 104 | 72-134 | 16 | 30 | | | | |
| Bromodichloromethane | 112 | 94 | 78-125 | 18 | 30 | | | | |
| Bromoform | 92 | 76 | 48-118 | 19 | 30 | | | | |
| Bromomethane | 84 | 66 | 47-129 | 23 | 30 | | | | |
| 2-Butanone | 100 | 95 | 57-138 | 4 | 30 | | | | |
| Carbon Disulfide | 114 | 97 | 67-135 | 16 | 30 | | | | |
| Carbon Tetrachloride | 141* | 118 | 72-135 | 18 | 30 | | | | |
| Chlorobenzene | 117 | 100 | 87-124 | 16 | 30 | | | | |
| Chloroethane | 104 | 66 | 51-145 | 20 | 30 | | | | |
| Chloroform | 114 | 97 | 81-134 | 16 | 30 | | | | |
| Chloromethane | 121 | 101 | 46-137 | 18 | 30 | | | | |
| Dibromochloromethane | 110 | 91 | 74-116 | 19 | 30 | | | | |
| 1,1-Dichloroethane | 531 (2) | 220 (2) | 84-129 | 15 | 30 | | | | |
| 1,2-Dichloroethane | 119 | 102 | 68-131 | 15 | 30 | | | | |
| 1,1-Dichloroethene | 518 (2) | 89 (2) | 85-142 | 15 | 30 | | | | |
| cis-1,2-Dichloroethene | 128* | 106 | 85-125 | 17 | 30 | | | | |
| trans-1,2-Dichloroethene | 122 | 103 | 87-126 | 17 | 30 | | | | |
| 1,2-Dichloropropane | 116 | 99 | 83-124 | 16 | 30 | | | | |
| cis-1,3-Dichloropropene | 115 | 98 | 70-116 | 17 | 30 | | | | |
| trans-1,3-Dichloropropene | 99 | 84 | 74-119 | 16 | 30 | | | | |
| Ethylbenzene | 118 | 99 | 71-134 | 17 | 30 | | | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1344412
Reported: 11/02/12 at 04:34 PM

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| 2-Hexanone | 92 | 85 | 55-127 | 7 | 30 | | | | |
| 4-Methyl-2-pentanone | 95 | 87 | 63-123 | 9 | 30 | | | | |
| Methylene Chloride | 113 | 96 | 78-133 | 17 | 30 | | | | |
| Styrene | 112 | 94 | 78-125 | 17 | 30 | | | | |
| 1,1,2,2-Tetrachloroethane | 102 | 88 | 72-128 | 14 | 30 | | | | |
| Tetrachloroethene | 138* | 109 | 80-128 | 18 | 30 | | | | |
| Toluene | 119 | 101 | 80-125 | 16 | 30 | | | | |
| 1,1,1-Trichloroethane | 489 (2) | 207 (2) | 69-140 | 15 | 30 | | | | |
| 1,1,2-Trichloroethane | 110 | 93 | 77-124 | 17 | 30 | | | | |
| Trichloroethene | 136* | 110 | 88-133 | 16 | 30 | | | | |
| Vinyl Chloride | 107 | 91 | 66-133 | 17 | 30 | | | | |
| Xylene (Total) | 117 | 99 | 79-125 | 17 | 30 | | | | |

## Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E123032AA

| | Toluene-d8 |
|---|---|
| 6834614 | 94 |
| 6834615 | 94 |
| 6834616 | 91 |
| 6834617 | 94 |
| 6834618 | 91 |
| 6834619 | 92 |
| Blank | 94 |
| LCS | 91 |
| MS | 91 |
| MSD | 94 |
| Limits: | 80-120 |

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E123032AB

| | Toluene-d8 |
|---|---|
| 6834620 | 94 |
| Blank | 93 |
| LCS | 94 |
| MS | 91 |
| MSD | 94 |
| Limits: | 80-120 |

Analysis Name: 1,4-Dioxane by Isotope Dil SIM
Batch number: E123041AA

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1344412
Reported: 11/02/12 at 04:34 PM

## Surrogate Quality Control

| | Toluene-d8 |
|---|---|
| 6834621 | 93 |
| 6834622 | 93 |
| 6834623 | 91 |
| 6834624 | 93 |
| 6834625 | 94 |
| 6834626 | 89 |
| 6834627 | 94 |
| 6834628 | 94 |
| 6834629 | 94 |
| 6834630 | 92 |
| 6834631 | 94 |
| 6834632 | 99 |
| 6834633 | 90 |
| 6834634 | 94 |
| 6834635 | 93 |
| 6834636 | 94 |
| Blank | 94 |
| LCS | 88 |
| LCSD | 93 |
| Limits: | 80-120 |

Analysis Name: 8260 Std. Water Master
Batch number: Y122992AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| 6834614 | 96 | 98 | 99 | 97 |
| 6834615 | 101 | 98 | 99 | 96 |
| 6834616 | 101 | 103 | 100 | 98 |
| 6834617 | 101 | 102 | 100 | 98 |
| Blank | 97 | 98 | 99 | 98 |
| LCS | 99 | 101 | 100 | 98 |
| MS | 101 | 103 | 100 | 98 |
| MSD | 101 | 102 | 100 | 98 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

Analysis Name: 8260 Std. Water Master
Batch number: Y123001AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| 6834618 | 99 | 100 | 99 | 96 |
| 6834619 | 99 | 100 | 100 | 97 |
| 6834620 | 98 | 99 | 99 | 97 |
| 6834621 | 100 | 101 | 98 | 96 |
| 6834622 | 97 | 100 | 99 | 96 |
| 6834623 | 98 | 98 | 100 | 97 |
| 6834624 | 97 | 99 | 100 | 96 |
| 6834626 | 100 | 99 | 98 | 98 |
| 6834627 | 98 | 100 | 99 | 96 |
| 6834628 | 98 | 100 | 98 | 95 |
| 6834629 | 98 | 100 | 98 | 96 |
| 6834630 | 98 | 100 | 99 | 96 |
| 6834631 | 97 | 97 | 99 | 95 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1344412
Reported: 11/02/12 at 04:34 PM

## Surrogate Quality Control

| | | | | |
|---|---|---|---|---|
| 6834632 | 99 | 99 | 99 | 98 |
| Blank | 97 | 97 | 99 | 98 |
| LCS | 99 | 103 | 99 | 98 |
| LCSD | 98 | 102 | 100 | 99 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

Analysis Name: 8260 Std. Water Master
Batch number: Y123041AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| 6834625 | 97 | 98 | 99 | 100 |
| 6834633 | 97 | 99 | 99 | 100 |
| 6834634 | 98 | 99 | 99 | 100 |
| 6834635 | 98 | 98 | 99 | 99 |
| 6834636 | 97 | 98 | 99 | 99 |
| Blank | 97 | 99 | 100 | 99 |
| LCS | 99 | 102 | 101 | 101 |
| LCSD | 99 | 103 | 100 | 100 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Environmental Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

For Eurofins Lancaster Laboratories use only
Acct. # 6556 Group # 1344412 Sample # 683461 4-36
Instructions on reverse side correspond with circled numbers.

**COC # 315033**

## 1 Client Information

| | |
|---|---|
| Client: The Johnson Co. | Acct. #: 06556 |
| Project Name/#: AD-GA / 1-0145-4 | PWSID #: |
| Project Manager: Glen Kirkpatrick | P.O. #: 1-0145-4 |
| Sampler: TEH | Quote #: |

Name of state where samples were collected: GA

## 4 Matrix

Sediment ☐ Soil ☐ Water ☒ Ground ☐ Potable ☐ NPDES ☐ Surface ☐ Other: DI $H_2O$

## 5 Analysis Requested

Preservation Codes: H

| 2 Sample Identification | Collected Date | Collected Time | 3 Grab | Composite | Total # of Containers | 8260 | 1,4-Dioxane ISO SIM | For Lab Use Only |
|---|---|---|---|---|---|---|---|---|
| TB-TEH | 10/22/12 | — | X | | 2 | 1 | 1 | |
| MW-59D | | 0932 | X | | 18 | 9 | 9 | MS/MSD |
| MW-26D | | 1117 | X | | 6 | 3 | 3 | |
| MW-26S | | 1207 | X | | 6 | 3 | 3 | |
| BR-20D | | 1302 | X | | 6 | 3 | 3 | |
| MW-58S | | 1717 | X | | 6 | 3 | 3 | |
| MW-66 | ↓ | 1422 | X | | 6 | 3 | 3 | |
| MW-58D | 10/23/12 | 0902 | X | | 6 | 3 | 3 | |
| MW-12 | | 1007 | X | | 6 | 3 | 3 | |
| DP-3 | ↓ | 1100 | X | | 6 | 3 | 3 | |

FSC:
SCR#:

**Preservation Codes**
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

## 6 Remarks

Please use a PQL of 2 µg/L for Vinyl chloride

## 7 Turnaround Time (TAT) Requested (please circle)

(Standard) Rush

(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)

Date results are needed: —

E-mail address: GAK@jcomail.com

## 8 Data Package Options (circle if required)

Type I (Validation/non-CLP) Type VI (Raw Data Only)
Type III (Reduced non-CLP) TX TRRP-13
Type IV (CLP SOW) MA MCP CT RCP

## 9

| Relinquished by | Date | Time | Received by | Date | Time |
|---|---|---|---|---|---|
| | 10/23/12 | 1500 | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | Kelley Ehrman | 10/24/12 | 0920 |

EDD Required? (Yes) No
If yes, format: Excel

Site-Specific QC (MS/MSD/Dup)? (Yes) No
(If yes, Indicate QC sample and submit triplicate sample volume.)

Relinquished by Commercial Carrier:
UPS ____ FedEx ✓ Other ____

Temperature upon receipt 4.2 °C

# Environmental Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

For Eurofins Lancaster Laboratories use only
Acct. # 10556 Group # 1344412 Sample # 6834614-36
Instructions on reverse side correspond with circled numbers.

**COC # 315061**

## 1 Client Information

| | |
|---|---|
| Client: The Johnson Co. | Acct. #: 06556 |
| Project Name/#: AD-GA / 1-0145-4 | PWSID #: |
| Project Manager: Glen Kirkpatrick | P.O. #: 1-0145-4 |
| Sampler: TEH, JEP | Quote #: |

Name of state where samples were collected: GA

## 2 Sample Identification / 3 Grab / Composite / 4 Matrix / 5 Analysis Requested

| Sample Identification | Collected Date | Collected Time | Grab | Composite | Matrix | Total # of Containers | Preservation Codes | 8260 | 1,4 Dioxane 1,4 DIC 1,4 SIM |
|---|---|---|---|---|---|---|---|---|---|
| EB-2 | 10/23/12 | 1115 | X | | Other: DI $H_2O$ | 6 | 3 H | 3 | |

Matrix: Soil ☐ Sediment ☐ Water: Potable ☐ Ground ☐ NPDES ☐ Surface ☐ Other: DI $H_2O$

## For Lab Use Only

FSC:

SCR#:

**Preservation Codes**

H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

## 6 Remarks

Please use a PQL of 2 µg/L for Vinyl Chloride

## 7 Turnaround Time (TAT) Requested (please circle)

Standard Rush

(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)

Date results are needed: —

E-mail address: GAK@jcomail.com

## 8 Data Package Options (circle if required)

Type I (Validation/non-CLP) Type VI (Raw Data Only)
Type III (Reduced non-CLP) TX TRRP-13
Type IV (CLP SOW) MA MCP CT RCP

## 9

| | Relinquished by | Date | Time | Received by | Date | Time |
|---|---|---|---|---|---|---|
| | | 10/23/12 | 1500 | | | |
| | Relinquished by | Date | Time | Received by | Date | Time |
| | Relinquished by | Date | Time | Received by | Date | Time |
| | Relinquished by | Date | Time | Received by | Date | Time |
| | Relinquished by | Date | Time | Received by Coley Eshleman | 10/24/12 | 0920 |

EDD Required? (Yes) No
If yes, format: Excel

Site-Specific QC (MS/MSD/Dup)? (Yes) No
(If yes, indicate QC sample and submit triplicate sample volume.)

Relinquished by Commercial Carrier:
UPS FedEx ✓ Other

Temperature upon receipt 3.7 °C

# Environmental Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

For Eurofins Lancaster Laboratories use only
Acct. # 06556 Group # 1344412 Sample # 6934614-36
Instructions on reverse side correspond with circled numbers.

**COC # 315042**

## 1 Client Information

| | |
|---|---|
| Client: The Johnson Co. | Acct. #: 06556 |
| Project Name/#: AD-GA / 1-0145-4 | PWSID #: |
| Project Manager: Glen Kirkpatrick | P.O. #: 1-0145-4 |
| Sampler: Jo Palmer | Quote #: |

Name of state where samples were collected: GA

## 4 Matrix

Sediment ☐ Soil ☐ | Water: ☒ Ground ☐ Potable ☐ Surface ☐ NPDES | Other: DI WATER

## 5 Analysis Requested

Preservation Codes: H | —

| 2 Sample Identification | Collected Date | Collected Time | 3 Grab | 3 Composite | Total # of Containers | 1,4 Dioxane by Isotope Dil SIM HCL | 8260 |
|---|---|---|---|---|---|---|---|
| MW-32 | 10/22/12 | 0930 | X | | 6 | 3 | 3 |
| MW-1 | 10/22/12 | 1120 | X | | 6 | 3 | 3 |
| MW-2 | 10/22/12 | 1305 | X | | 6 | 3 | 3 |
| MW-3 | 10/22/12 | 1445 | X | | 6 | 3 | 3 |
| MW-4 | 10/22/12 | 1650 | X | | 6 | 3 | 3 |
| TB-JEP | 10/22/12 | — | X | | 2 | — | — |
| MW-5 | 10/23/12 | 0935 | X | | 6 | 3 | 3 |
| MW-63 | 10/23/12 | 1115 | X | | 6 | 3 | 3 |
| MW-65D | 10/23/12 | 1310 | X | | 6 | 3 | 3 |
| DP-4 | 10/23/12 | 1400 | X | | 6 | 3 | 3 |

For Lab Use Only
FSC:
SCR#:

**Preservation Codes**
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

## 6 Remarks

Please use a PQL of 2 ug/L for Vinyl Chloride

Trip Blank

## 7 Turnaround Time (TAT) Requested (please circle)

Standard Rush

(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)

Date results are needed: —

E-mail address: GAK@jcomail.com

## 8 Data Package Options (circle if required)

Type I (Validation/non-CLP) Type VI (Raw Data Only)
Type III (Reduced non-CLP) TX TRRP-13
Type IV (CLP SOW) MA MCP CT RCP

## 9

| Relinquished by | Date | Time | Received by | Date | Time |
|---|---|---|---|---|---|
| [illegible] RA | 10/23/12 | 1500 | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | [illegible] | 10/24/12 | 0923 |

EDD Required? (Yes) No
If yes, format: Excel

Site-Specific QC (MS/MSD/Dup)? (Yes) No
(If yes, indicate QC sample and submit triplicate sample volume.)

Relinquished by Commercial Carrier:
UPS ____ FedEx ✓ Other ____

Temperature upon receipt 3.7 °C

eurofins | Lancaster Laboratories

G-1344412

# Environmental Sample Administration Receipt Documentation Log

**Client/Project:** Johnson Co

**Date of Receipt:** 10/24/12

**Time of Receipt:** 0920

**Source Code:** 50-1

**Shipping Container Sealed:** YES NO

**Custody Seal Present * :** YES NO

* Custody seal was intact unless otherwise noted in the discrepancy section

**Package:** Chilled Not Chilled

| Temperature of Shipping Containers | | | | | | | |
|---|---|---|---|---|---|---|---|
| Cooler # | Thermometer ID | Temperature (°C) | Temp Bottle (TB) or Surface Temp (ST) | Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP) | Ice Present? Y/N | Loose (L) Bagged Ice (B) or NA | Comments |
| 1 | 2737 | 4.3. | TB | WI | Y | B | |
| 2 | ↓ | 4.2. | ↓ | ↓ | ↓ | ↓ | |
| 3 | ↓ | 3.7 | ↓ | ↓ | ↓ | ↓ | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |

**Number of Trip Blanks received NOT listed on chain of custody:** Ø

**Paperwork Discrepancy/Unpacking Problems:**

**Unpacker Signature/Emp#:** Cody Eshleman 3647 **Date/Time:** 10/24/12. 1055

Issued by Dept. 6042 Management

# Explanation of Symbols and Abbreviations

*The following defines common symbols and abbreviations used in reporting technical data:*

| | | | |
|---|---|---|---|
| **RL** | Reporting Limit | **BMQL** | Below Minimum Quantitation Level |
| **N.D.** | none detected | **MPN** | Most Probable Number |
| **TNTC** | Too Numerous To Count | **CP Units** | cobalt-chloroplatinate units |
| **IU** | International Units | **NTU** | nephelometric turbidity units |
| **umhos/cm** | micromhos/cm | **ng** | nanogram(s) |
| **C** | degrees Celsius | **F** | degrees Fahrenheit |
| **meq** | milliequivalents | **lb.** | pound(s) |
| **g** | gram(s) | **kg** | kilogram(s) |
| **µg** | microgram(s) | **mg** | milligram(s) |
| **mL** | milliliter(s) | **L** | liter(s) |
| **m3** | cubic meter(s) | **µL** | microliter(s) |
| | | **pg/L** | picogram/liter |

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**J** estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

*U.S. EPA CLP Data Qualifiers:*

**Organic Qualifiers**

| | |
|---|---|
| **A** | TIC is a possible aldol-condensation product |
| **B** | Analyte was also detected in the blank |
| **C** | Pesticide result confirmed by GC/MS |
| **D** | Compound quantitated on a diluted sample |
| **E** | Concentration exceeds the calibration range of the instrument |
| **N** | Presumptive evidence of a compound (TICs only) |
| **P** | Concentration difference between primary and confirmation columns >25% |
| **U** | Compound was not detected |
| **X,Y,Z** | Defined in case narrative |

**Inorganic Qualifiers**

| | |
|---|---|
| **B** | Value is <CRDL, but ≥IDL |
| **E** | Estimated due to interference |
| **M** | Duplicate injection precision not met |
| **N** | Spike sample not within control limits |
| **S** | Method of standard additions (MSA) used for calculation |
| **U** | Compound was not detected |
| **W** | Post digestion spike out of control limits |
| ***** | Duplicate analysis not within control limits |
| **+** | Correlation coefficient for MSA <0.995 |

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

# APPENDIX E
# SVE SYSTEM CONSTRUCTION AND OPERATION INFORMATION

## Appendix E – Interim Soil Vapor Extraction System Construction and Operation

### *1.0 System Layout and Construction*

Figure 3-18 of the Progress Report, and Figure E-1 of this Appendix, show the general arrangement and layout of the soil vapor extraction (SVE) system (the System). The System includes a collection of vertical soil vapor extraction points connected to a common pipe header, which in turn connects to a water / vapor separator (knockout tank), a 10 horsepower blower, and a vapor exhaust stack.

Figure E-2 shows a process flow diagram for the System. The blower creates a vacuum, which induces soil vapors to flow from the extraction points through the SVE system. The knockout tank separates condensate from the extracted soil vapors, and the vapors then flow to the blower as condensate remains in the knockout tank. A transfer pump controlled by float switches in the knockout tank periodically pumps accumulated condensate to an above-ground storage tank for storage prior to appropriate disposal. A dilution air throttling valve and intake pipe - located near the knockout tank - allows variable amounts of ambient air to be drawn into the System, effectively adjusting the operating vacuum applied to the SVE points. Vacuum and vapor velocity monitoring ports and sample collection ports are installed at each individual extraction pipeline, the header pipes used by the System, the dilution air intake pipe, and the System exhaust pipe.

Attachment E-1 provides additional information regarding the mechanical equipment, piping, and soil vapor extraction points that comprise the System. Photographs of the System are provided in Attachment E-2.

### *2.0 System Operation, Monitoring and Adjustments*

Since the System startup on July 14, 2011, the System has been monitored weekly by a local operator, Roadrunner Express, LLC, of Flowery Branch, Georgia (the Operator). The Operator visited the System on a weekly basis to measure the operating vacuum and soil vapor velocities throughout the System, monitor the electricity used by the System, and inspect the physical condition of System components. The Operator System visit logs are on file with the Professional Engineer, and will be provided in the final Compliance Status Report.

In addition to the weekly Operator inspections, monthly vapor samples were collected from the System by the Operator. The vapor samples were collected using SUMMA® canisters from sampling ports installed on the above ground piping near each extraction point, and from the header pipe connected directly to the blower. The samples were shipped to Lancaster Laboratories, a certified laboratory, for analysis of target volatile organic compounds via EPA Method TO-15. Resultant analytical reports are provided in Appendix G of the Progress Report, and are discussed below and summarized in Section 3.5.2 of the Progress Report.

From the time of System startup on July 14, 2011, the System operated continuously with a few minor interruptions due to electrical power outages and maintenance and adjustment events. As of November 1, 2012, the System was operational for 98 percent of the elapsed time.

Seven adjustments were performed to the System to optimize its performance during the period of operation (see Figure E-1 for locations of applicable wells):

1. *September 15, 2011*. Three existing vapor wells (VW-3, VW-5, VW-6) and one existing groundwater monitoring well (MW-64) were added to the operational well network of the System.

2. *October 24, 2011.* Existing groundwater monitoring well MW-65S was connected to the System.

3. *October 28, 2011*. Six new SVE wells (SVE-1 to SVE-6) were installed to a depth of approximately 15 feet below the building's floor slab and were connected to the System. Well construction logs are provided in Attachment E-3.

4. *November 10, 2011*. Vapor well VW-3 was disconnected from the System due to observed vapor short-circuiting from ground surface near the wellhead.

5. *March 2, 2012.* Vapor well VW-3 was reconnected to the System after the short circuiting was repaired by sealing the wellhead with concrete.

6. *May 18, 2012.* A new SVE well, SVE-7, was installed to a depth of approximately 15 feet bgs and was connected to the System. A well construction log is provided in Attachment E-3. An impermeable surface cover was also installed over the ground surface located outside of the building footprint, but within the fenceline (see Figure E-1). This impermeable liner was installed to increase the vacuum propagation and radius of influence associated with the SVE points located outside the building.

7. *October 19, 2012*. The existing vapor barrier was removed from the ground surface at locations within three (3) feet of the building wall. This modification was performed to promote vapor flows underneath the building's foundation wall.

## *3.0 Calculations of VOC Mass Removal and Air Emissions*

### 3.1 Calculation Methods

The data obtained during Operator Site visits were used to calculate the extracted soil vapor flow rates, VOC mass flow rates, and the mass of VOC removed from each individual extraction well and the entire System.

The extracted soil vapor flow rates for each individual well were calculated by applying the ideal gas law to the anemometer and vacuum gauge measurements recorded by the Operator, resulting in calculated flow rates referenced to standard atmospheric conditions of 1.0 atmospheres of pressure and a temperature of 20 degrees Celsius. The extracted soil vapor flow rate for the System was then determined by the sum of the flow rates from each individual well. Example calculations are provided in Attachment E-4.

VOC mass removal was calculated using the extracted soil vapor flow rates and the measured VOC concentration at each respective location that was assumed applicable for the period of measurement. The VOC mass flow and mass removal for the System was calculated as the sum of the measured VOC mass flow at all individual extraction points. Example calculations are provided in Attachment E-4.

## 3.2 Calculated VOC Mass Removal and Air Emissions

Figure E-3 shows the calculated a total vapor flow rates as measured weekly for the System since startup. The total vapor flows have typically ranged from 150 to 250 standard cubic feet per minute (SCFM), and the vapor flows at each individual well range from 7 to 23 SCFM.

Figure 3-19 of the Progress Report shows the calculated cumulative total VOC mass removal by the System since startup, which exceeded 1,500 pounds as of the end of October 2012. Figure E-4 shows the calculated cumulative VOC mass removal at each individual extraction point, which collectively result in the removal amount for the entire system. At four (4) of the 22 operational SVE points, the cumulative total VOC mass removal exceeds 1,000 pounds: SVE-1, MW-64, MW-65S, and VW-5. Figures E-5 through E-8 show the relative molar distribution of individual VOC within the vapor stream of each of those five respective points – as is evident from the figures, the primary individual VOC in the vapor stream are 1,1,1-TCA and 1,1-DCE.

Figure E-9 presents summary graphs that show the mass flow rates of VOC and hazardous air pollutants[1] exhausted by the System with respect to the applicable threshold criteria for triggering air permit or exhaust treatment requirements[2]. Example calculations are provided in Attachment E-4. The mass of VOCs and HAPs exhausted by the System are significantly less than the threshold criteria. Once operational, the MPE system is expected to emit relatively similar amounts of VOC, which will also be monitored during its operations.

[1] Hazardous air pollutants as defined by 40 CFR Part 63 Subpart C.
[2] Regulatory thresholds are established in Georgia Rules for Air Quality Control, Section 391-3-1.03(6)(h)(i).

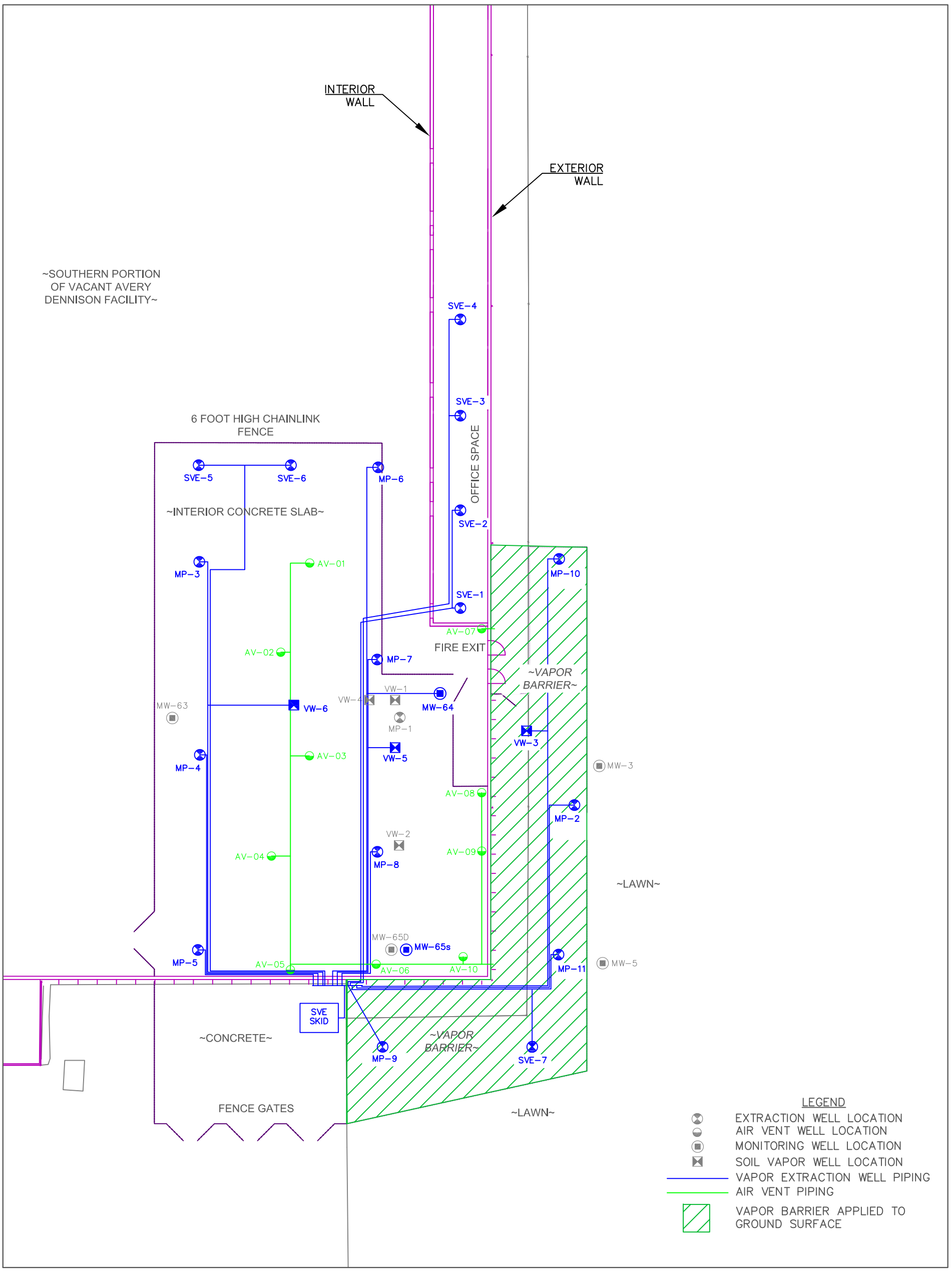



**FIGURE E-1: SOIL VAPOR EXTRACTION SYSTEM LAYOUT**
**AVERY DENNISON FACILITY**
**FLOWERY BRANCH, GEORGIA**


The Johnson Company
100 State Street, Suite 600
Montpelier, VT 05602
(802) 229-4600


Drawn by: PCS Date: 11/14/12
Chk'd by: GAK Date: 11/23/12
Scale: As Shown Project: 1-0145-4

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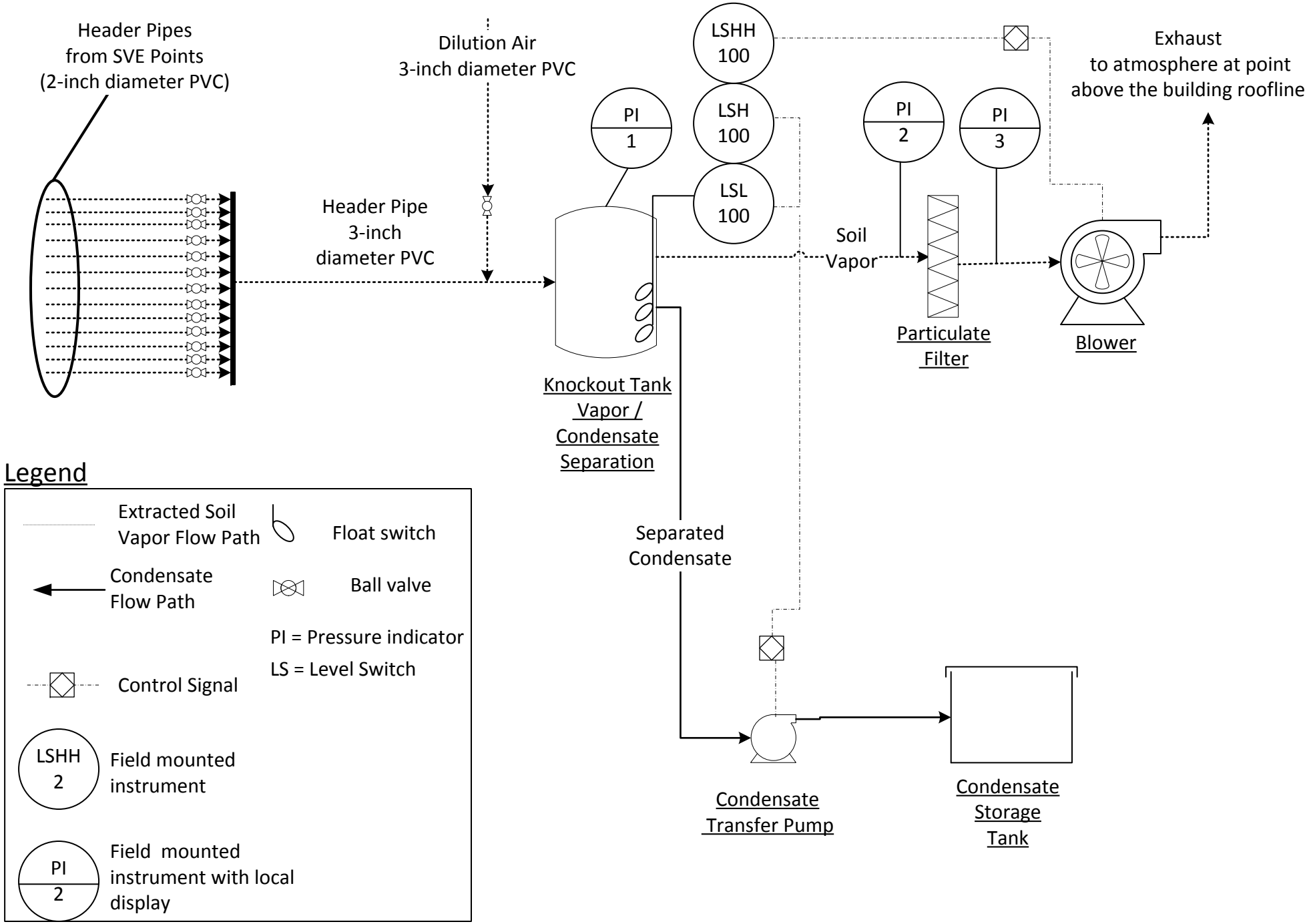
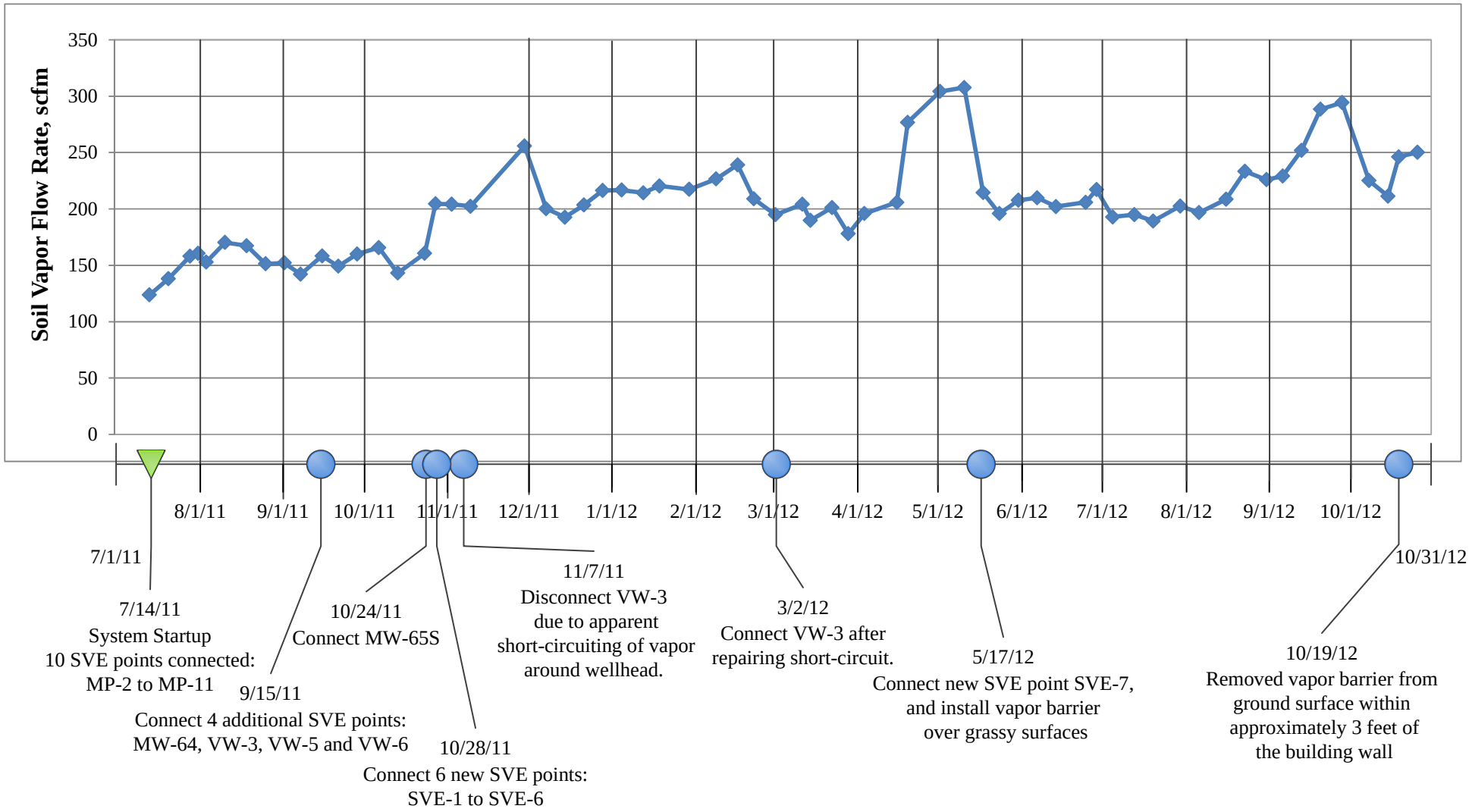



**FIGURE E-2: SOIL VAPOR EXTRACTION SYSTEM**
**PROCESS FLOW DIAGRAM**
**AVERY DENNISON FACILITY**
**FLOWERY BRANCH, GEORGIA**


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100 State Street
Montpelier, VT 06502
(802) 229-4600


Drawn by: PCS Date: 11/15/12
Chck'd by: J_B Date: //
Scale: Not to Scale Project: 1-0145-4

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**Notes:**

1) scfm = standard cubic feet per minute. Standard conditions are a temperature of 20 degrees Celsius, and a pressure of 1 atmosphere.

2)SVE = Soil vapor extraction

3) The extracted soil vapor flow rate shown above is the sum of the soil vapor flow rates calculated for SVE points connected to the System.

**FIGURE E-3: TOTAL SVE SYSTEM FLOW RATES vs. TIME**
**AVERY DENNISON FACILITY**
**FLOWERY BRANCH, GEORGIA**


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Montpelier, VT 06502
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| | |
|---|---|
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| Chck'd by: GAK | Date: 11/26/12 |
| Scale: Not to Scale | Project: 1-0145-4 |

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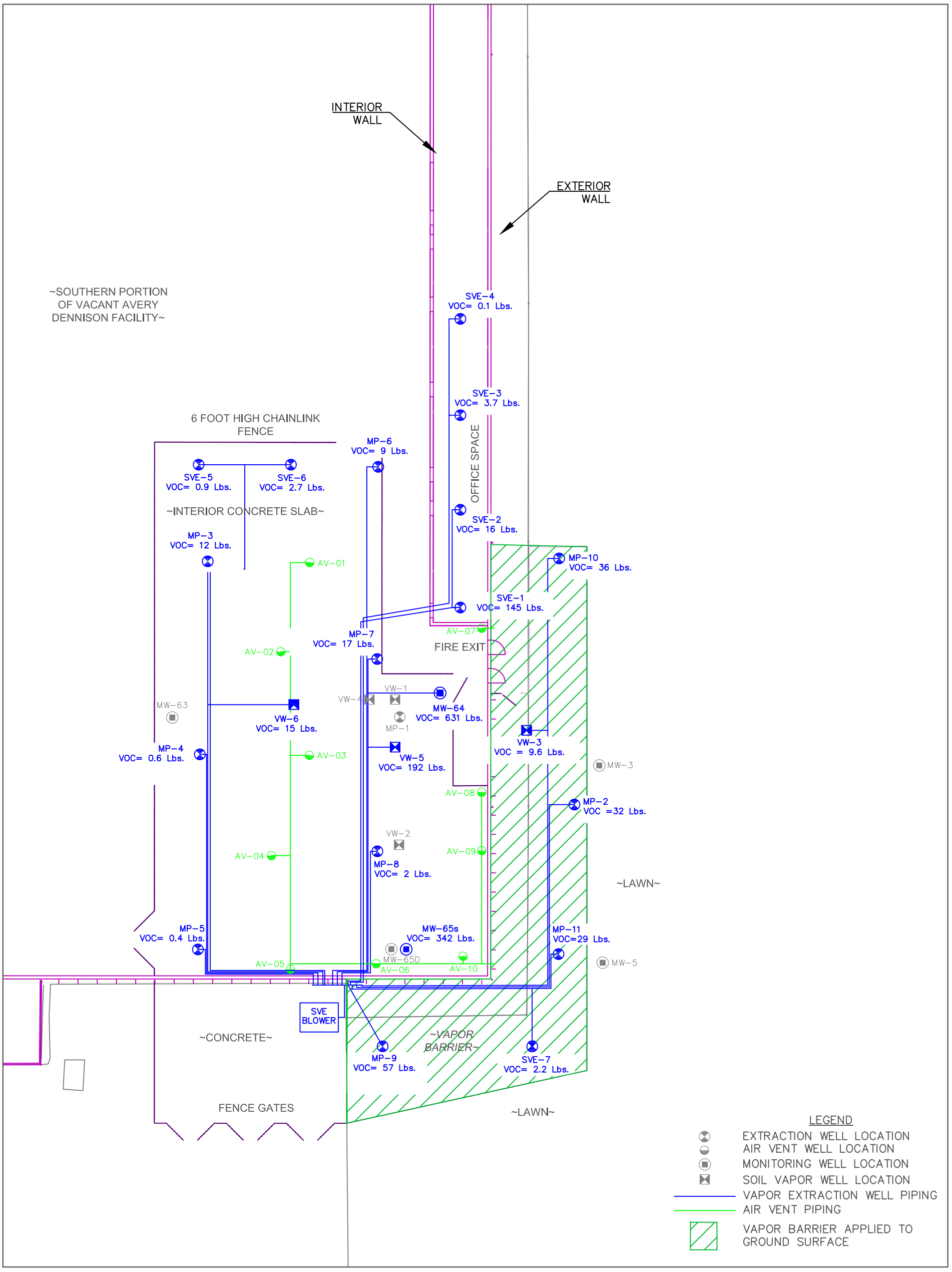



**FIGURE E-4: MASS OF VOC REMOVED FROM SVE POINTS FROM JULY 14, 2011 TO OCTOBER 31, 2012**
**AVERY DENNISON FACILITY**
**FLOWERY BRANCH, GEORGIA**


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100 State Street, Suite 600
Montpelier, VT 05602
(802) 229-4600


Drawn by: PCS Date: 11/14/12
Chk'd by: GAK Date: 11/23/12
Scale: As Shown Project: 1-0145-4

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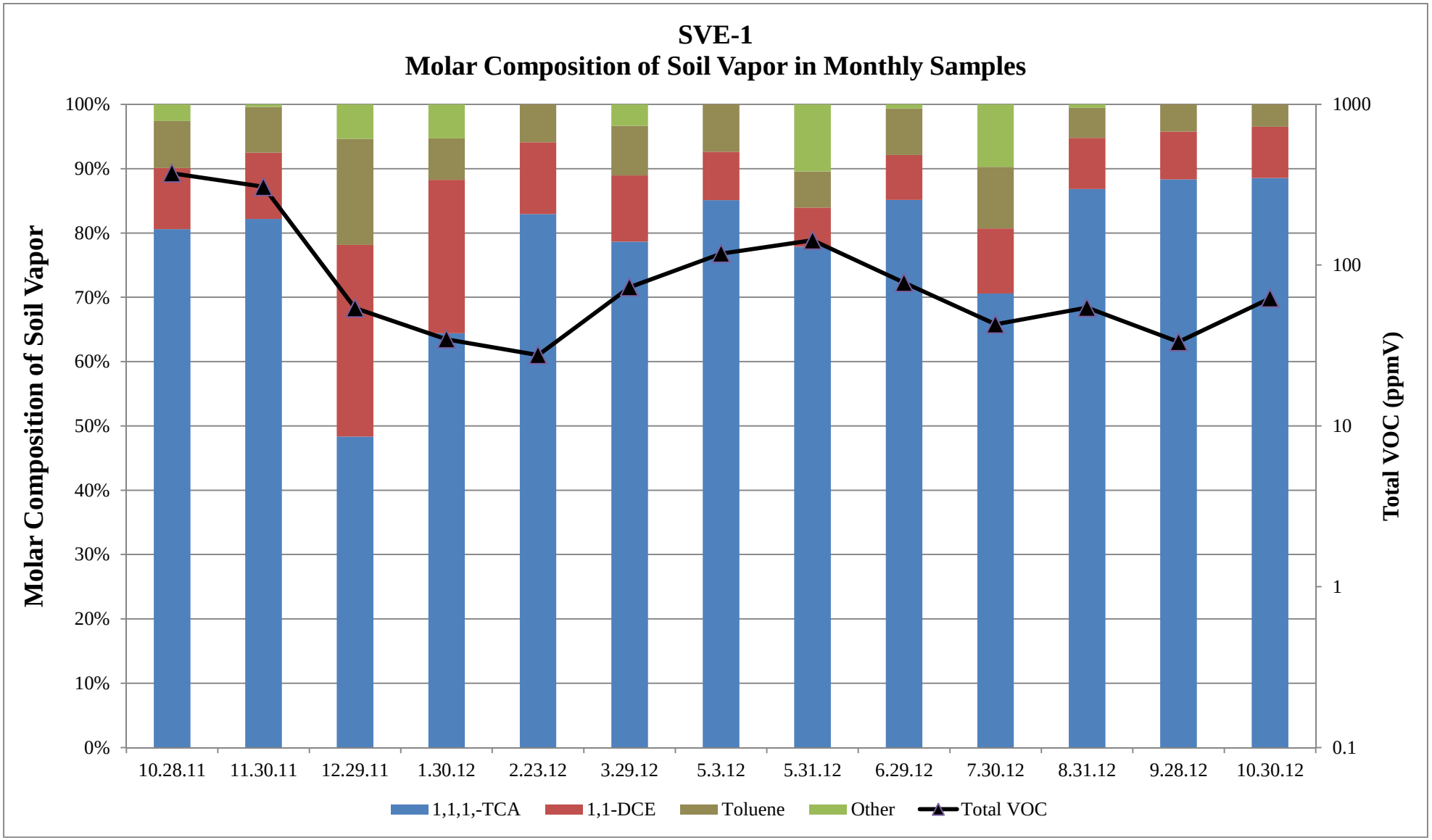



**FIGURE E-5: MOLAR COMPOSITION OF VAPOR EXTRACTED FROM SVE-1 AVERY DENNISON FACILITY FLOWERY BRANCH, GEORGIA**


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Scale: Not to Scale Project: 1-0145-4

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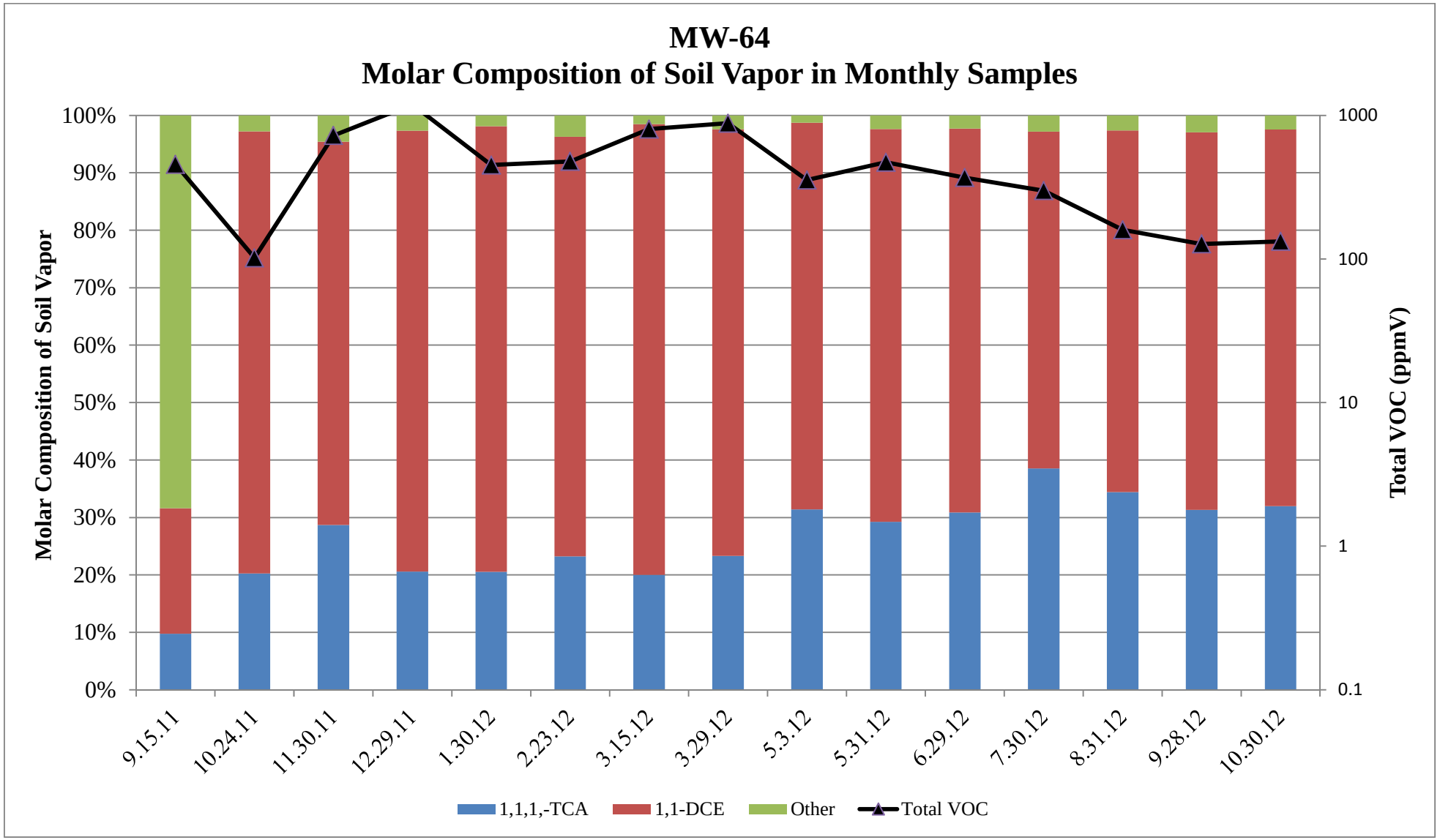



**FIGURE E-6: MOLAR COMPOSITION OF VAPOR EXTRACTED FROM MW-64 AVERY DENNISON FACILITY FLOWERY BRANCH, GEORGIA**


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| | |
|---|---|
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| Chck'd by: GAK | Date: 11/26/12 |
| Scale: Not to Scale | Project: 1-0145-4 |

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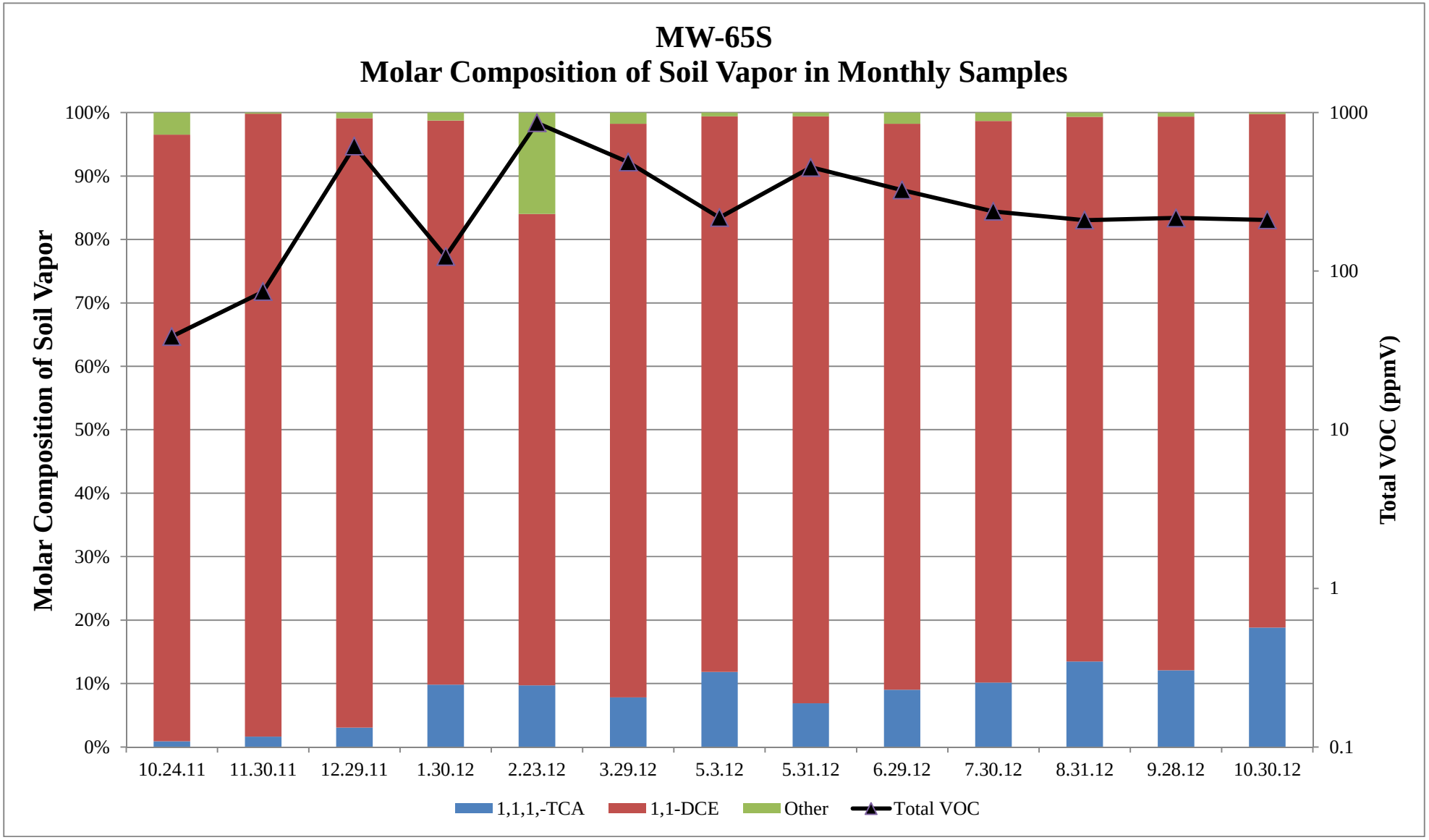



**FIGURE E-7: MOLAR COMPOSITION OF VAPOR EXTRACTED FROM MW-65S AVERY DENNISON FACILITY FLOWERY BRANCH, GEORGIA**

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Chck'd by: GAK Date: 11/26/12
Scale: Not to Scale Project: 1-0145-4

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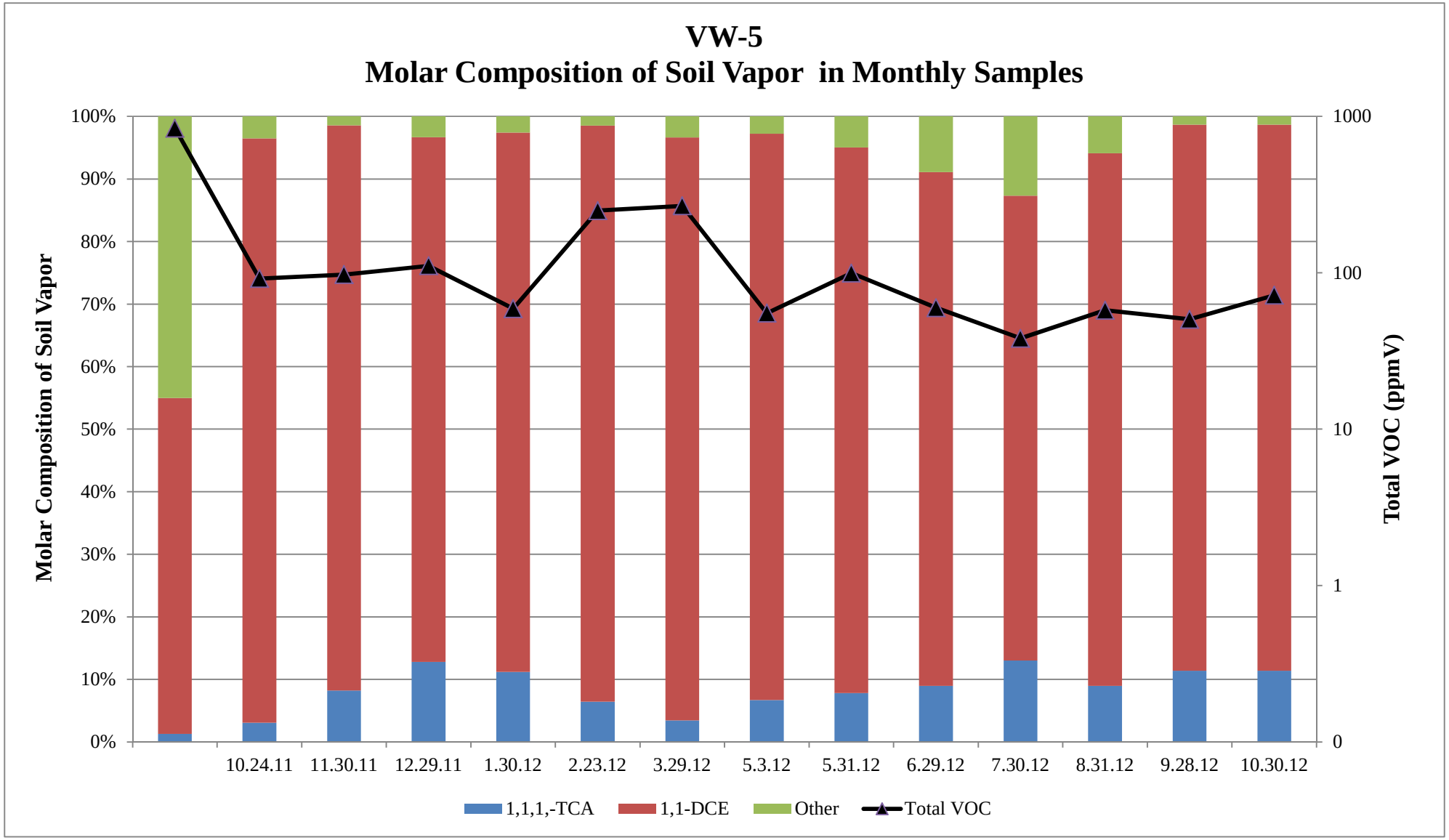
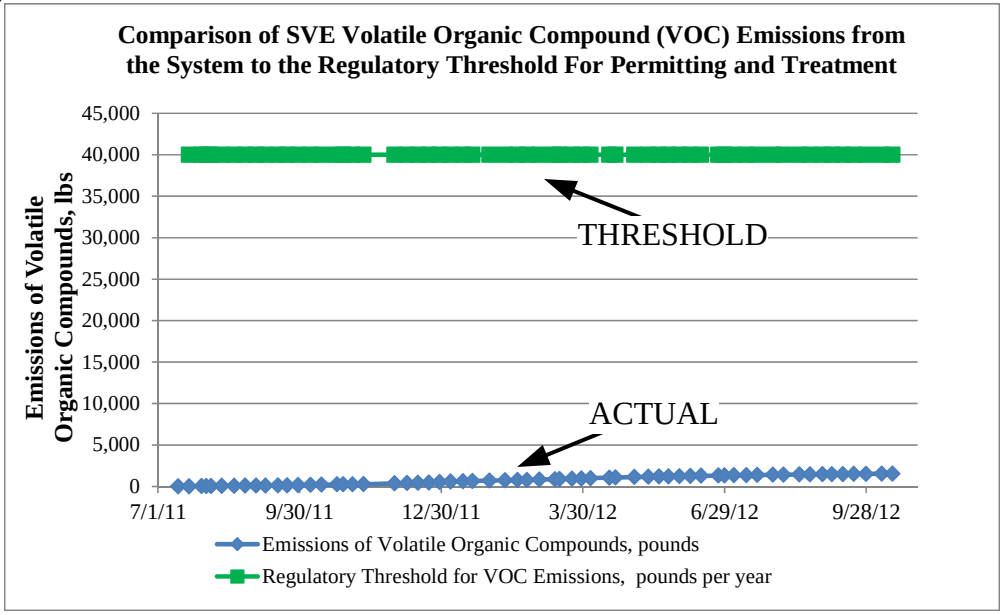


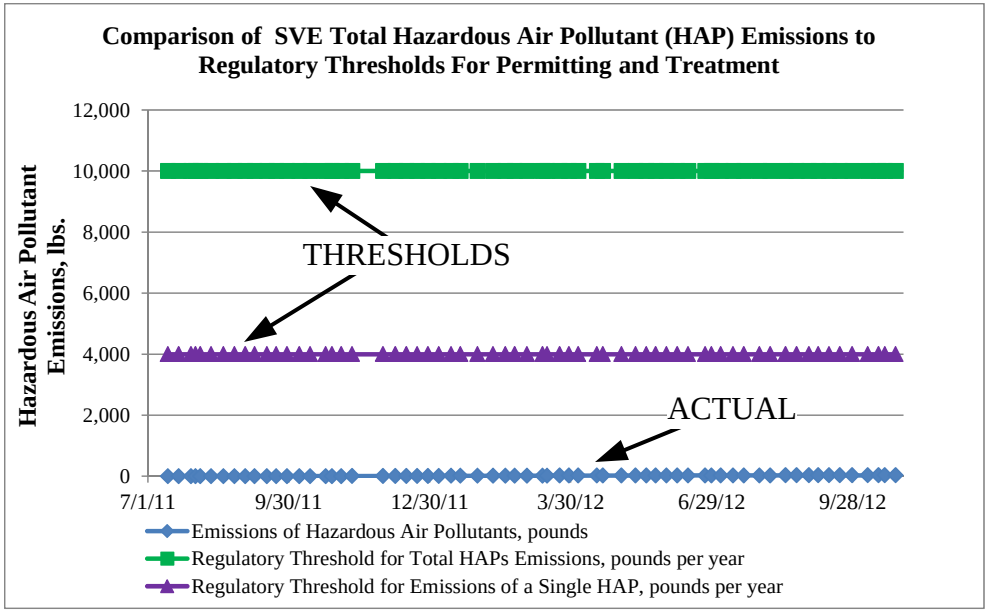

**FIGURE E-8: MOLAR COMPOSITION OF VAPOR EXTRACTED FROM VW-5 AVERY DENNISON FACILITY FLOWERY BRANCH, GEORGIA**


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100 State Street
Montpelier, VT 06502
(802) 229-4600


| | |
|---|---|
| Drawn by: PCS | Date: 11/15/12 |
| Chck'd by: GAK | Date: 11/26/12 |
| Scale: Not to Scale | Project: 1-0145-4 |

sve report figures 111512.vsd



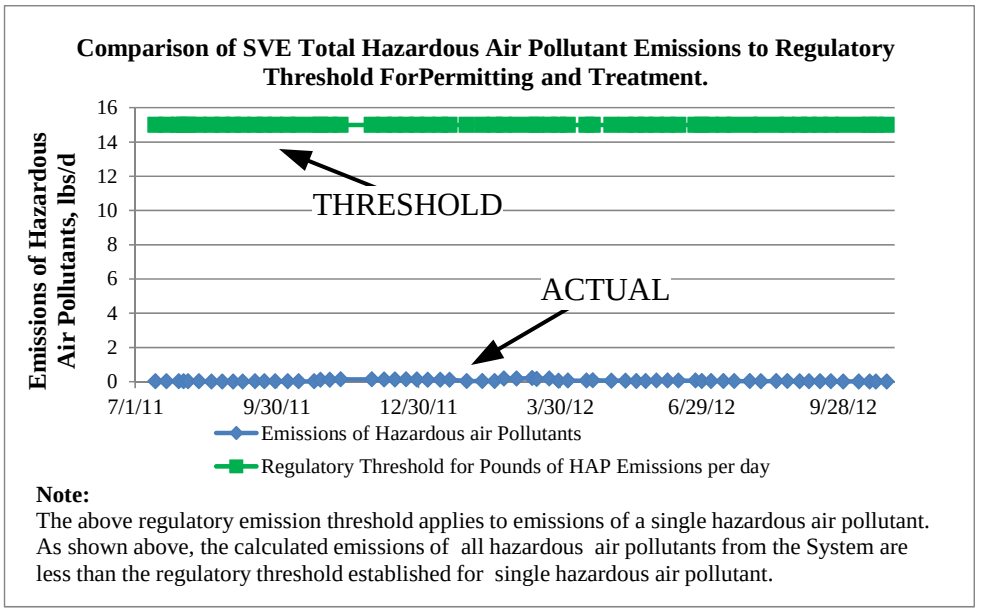




**Notes**:

1.) The regulatory thresholds referenced above are from the Georgia Rules for Air Quality Control, Section 391-3-1-.03 (6)(h)(**i**). The emissions thresholds that are relevant to the Site are:

- 20 tons per year of total volatile organic compound emissions.
- 5 tons per year of all hazardous air pollutants.
- 15 pounds per day of any single hazardous air pollutant.
- 2 tons per year for any single hazardous air pollutant.

2.) Hazardous air pollutants are as defined in 40 CFR Part 63, Subpart C.




**Note:**
The above regulatory emission threshold applies to emissions of a single hazardous air pollutant. As shown above, the calculated emissions of all hazardous air pollutants from the System are less than the regulatory threshold established for single hazardous air pollutant.

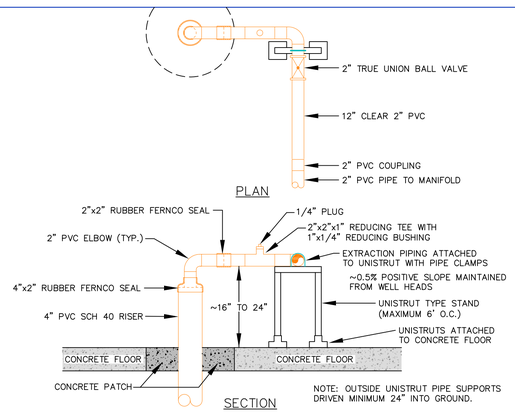
**FIGURE E-9: EMISSIONS OF VOLATILE ORGANIC COMPOUNDS FROM THE SOIL VAPOR EXTRACTION SYSTEM AVERY DENNISON FACILITY FLOWERY BRANCH, GEORGIA**

The Johnson Company
100 State Street
Montpelier, VT 06502
(802) 229-4600

| | |
|---|---|
| Drawn by: PCS | Date: 11/15/12 |
| Chck'd by: GAK | Date: 11/26/12 |
| Scale: Not to Scale | Project: 1-0145-4 |

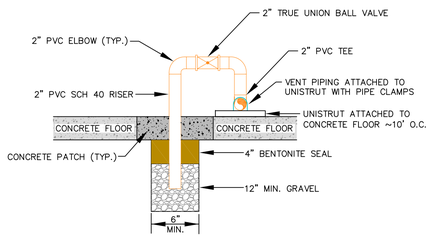
sve report figures 111512.vsd

# ATTACHMENT E-1:
# Additional Information for Mechanical Equipment, Piping, and SVE Points



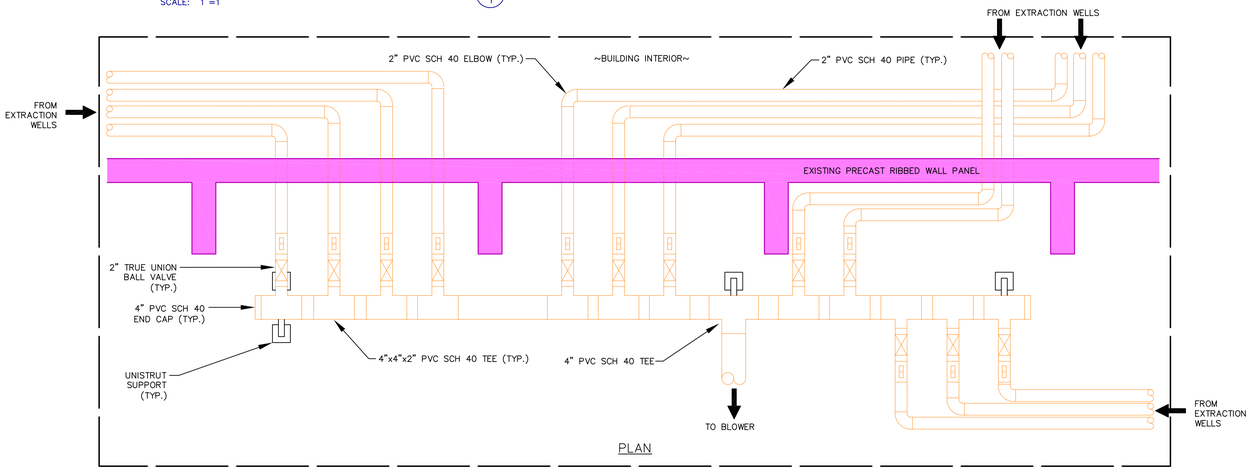

**DETAIL** TYPICAL EXTRACTION WELL HEAD DETAIL 1/1

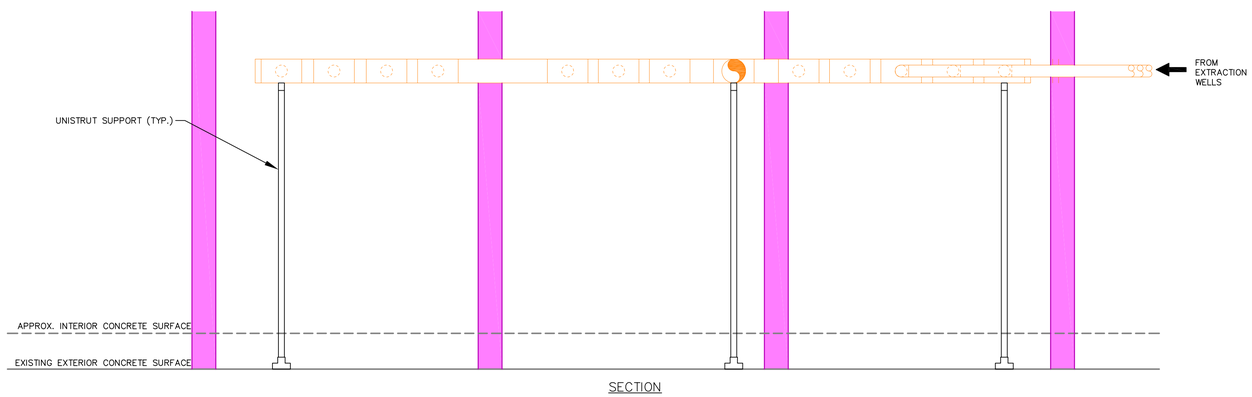
SCALE: 1"=1'




**SECTION** TYPICAL AIR VENT WELL CONSTRUCTION 2/1

SCALE: NONE



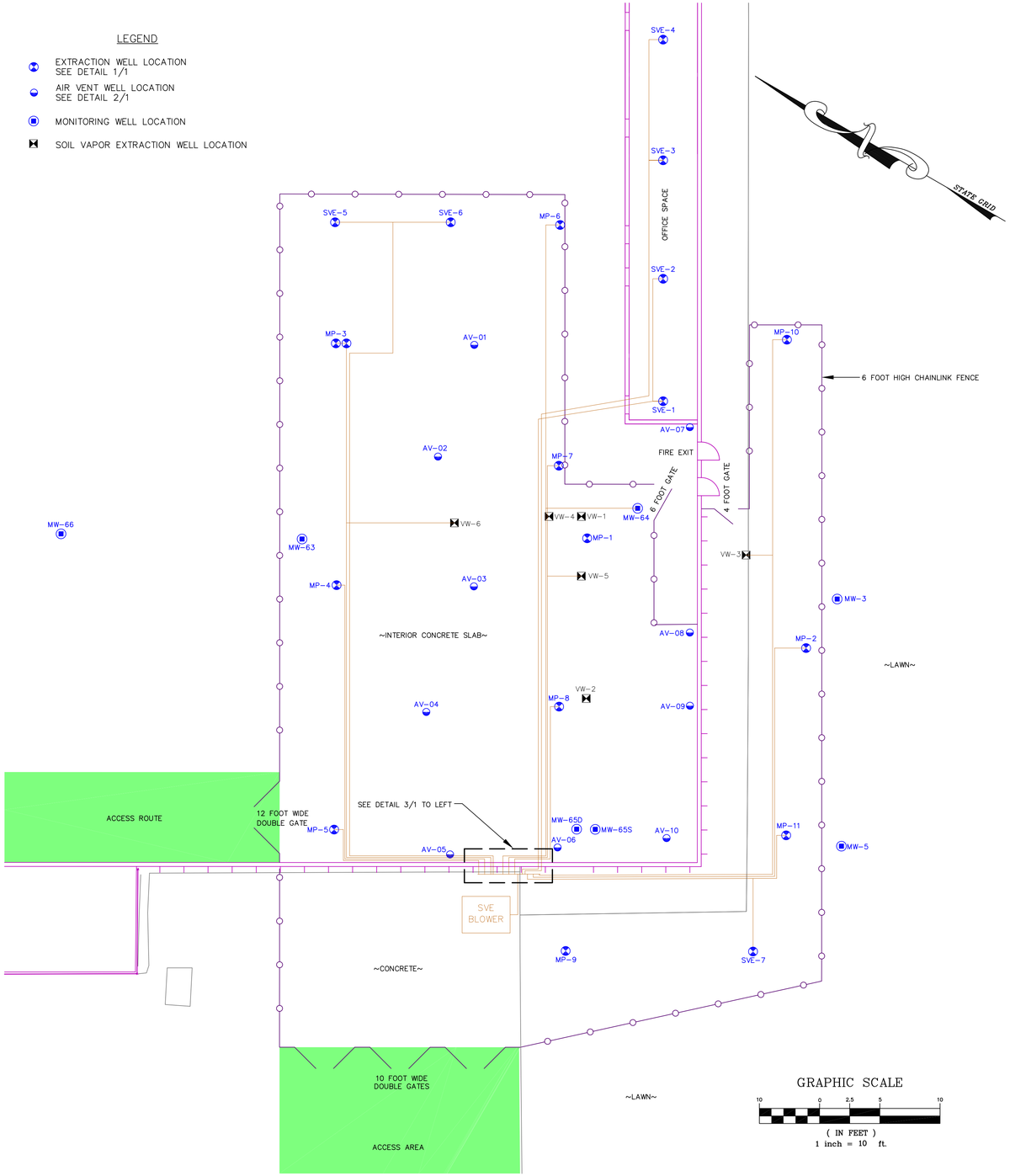




**DETAIL** EXTRACTION WELL MANIFOLD 3/1

SCALE: 1"=1'

LEGEND

- EXTRACTION WELL LOCATION SEE DETAIL 1/1
- AIR VENT WELL LOCATION SEE DETAIL 2/1
- MONITORING WELL LOCATION
- SOIL VAPOR EXTRACTION WELL LOCATION




**SITE PLAN** PIPING LAYOUT 3/4

SCALE: 1"=10'

| REVISIONS | | | | | |
|---|---|---|---|---|---|
| # | Date | Drwn | Chk'd | App'd | Description |

PREPARED FOR: Avery Dennison Corporation, 7 Bishop Street, Framingham, MA 01702

Job#: 1-0145-4

PREPARED BY: The Johnson Company
100 State Street, Suite 600
Montpelier, Vermont 05602
(802) 229-4600 phone
(802) 229-5876 fax
www.johnsonco.com
ENVIRONMENTAL SCIENCE AND ENGINEERING SOLUTIONS

DRAWING

Scale: As Shown
Drawn On: 11/30/12
Drawn By: TJK
Checked On: 11/30/12
Checked By: PCS
Print Date:

TITLE

# AS-BUILT PIPING LAYOUT
# SOIL VAPOR EXTRACTION SYSTEM DESIGN
# AVERY DENNISON FACILITY
# FLOWERY BRANCH, GEORGIA

SHEET 1 OF 1

K:\1-0145-4\Cad\RS Design As-built 2012.dwg

SN: EEI 1024

Date: 3/17/08

System Status: In Stock, Tested

Dimensions:  39”W x71”L x68”H, 940LBS

Description:
Rotron EN8 Blower, 10HP 3PH 230/460Volt Blower, 22.2/11.1 Amps, Serial LYAB75602A5, 3510RPM, 3”inlet with Particulate Filter, 3” Outlet with Silencer
Rotron Moisture Separator, 3” inlet reduced to 2” Male Camlock Fitting with Floats to operate pump (LL, HL, HLA), Vacuum Relief
Transfer Pump XP 3PH 230/460Volt .33HP 1.6/.8Amps, Serial F100, Spec#345336-5723, Inlet is 1” to ¾, Outlet is 1”
230Volt 3Phase XP Panel with 2 HOA Switches (Blower, Pump), Overflow Alarm (HLA Float), Reset, 30 Amp Main Breaker.









SectionC 2004.qxd 6/26/04 10:53 AM Page C-25



# EN 858 & CP 858
# Sealed Regenerative Blower w/Explosion-Proof Motor

## FEATURES
- Manufactured in the USA – ISO 9001 compliant
- Maximum flow: 400 SCFM
- Maximum pressure: 120 IWG
- Maximum vacuum: 98 IWG
- Standard motor: 10 HP, explosion-proof
- Cast aluminum blower housing, cover, impeller & manifold; cast iron flanges (threaded); teflon lip seal
- UL & CSA approved motor with permanently sealed ball bearings for explosive gas atmospheres Class I Group D minimum
- Sealed blower assembly
- Quiet operation within OSHA standards

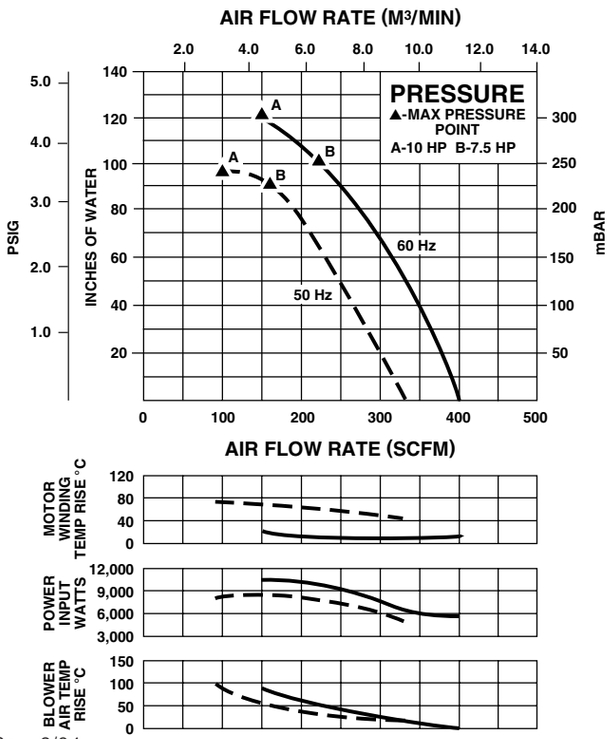
## MOTOR OPTIONS
- International voltage & frequency (Hz)
- Chemical duty, high efficiency, inverter duty or industry-specific designs
- Various horsepowers for application-specific needs

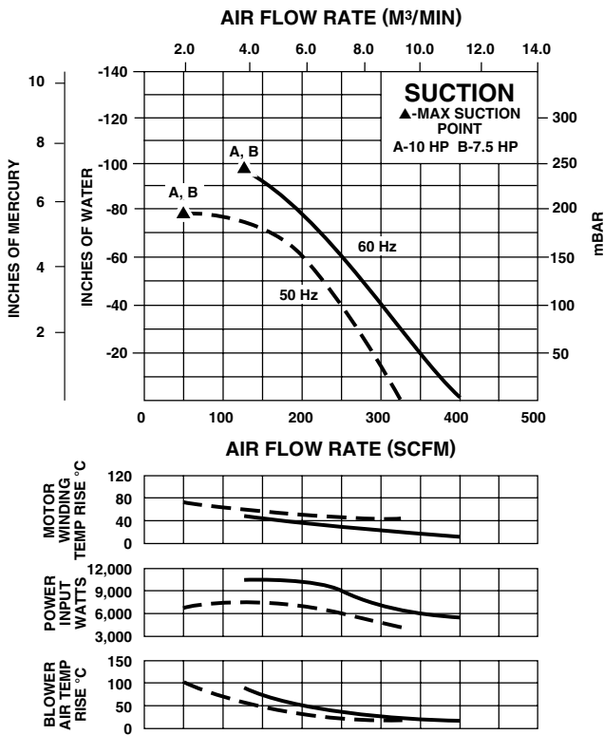
## BLOWER OPTIONS
- Corrosion resistant surface treatments & sealing options
- Remote drive (motorless) models
- Slip-on or face flanges for application-specific needs

## ACCESSORIES (See Catalog Accessory Section)
- Flowmeters reading in SCFM
- Filters & moisture separators
- Pressure gauges, vacuum gauges & relief valves
- Switches – air flow, pressure, vacuum or temperature
- External mufflers for additional silencing
- Air knives (used on blow-off applications)
- Variable frequency drive package




## BLOWER PERFORMANCE AT STANDARD CONDITIONS




Rev. 2/04

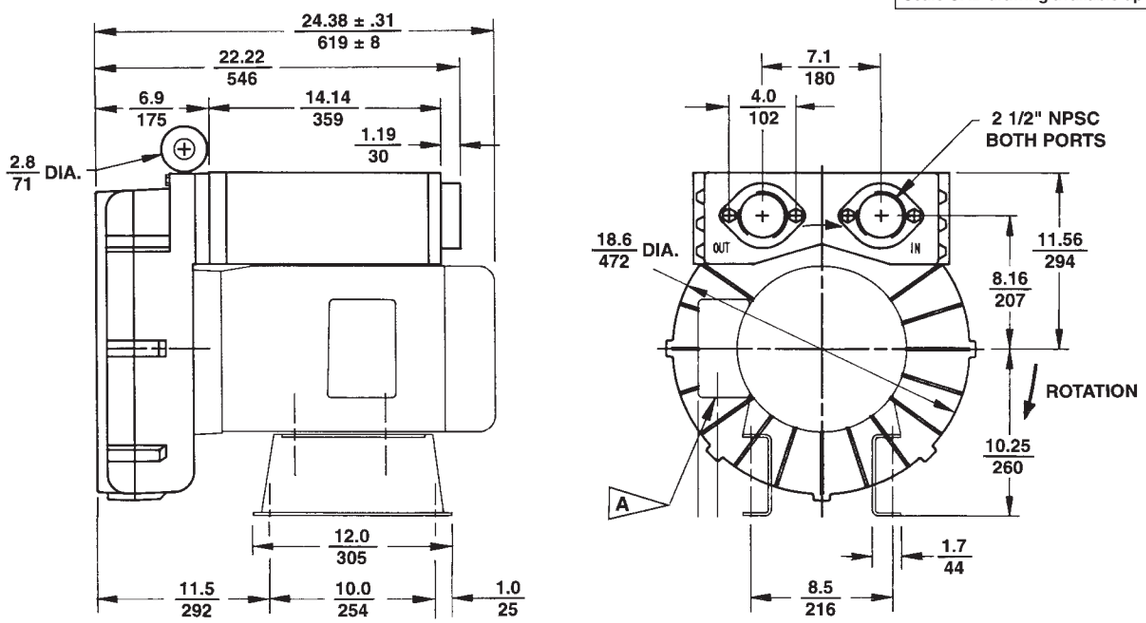

AMETEK Technical and Industrial Products, Kent, OH 44240 • e mail: rotronindustrial@ametek.com • internet: www.ametektmd.com

SectionC 2004.qxd 6/26/04 10:53 AM Page C-26



# EN 858 & CP 858
# Sealed Regenerative Blower w/Explosion-Proof Motor

Scale CAD drawing available upon request.




DIMENSIONS: IN / MM
TOLERANCES: .XX ± .1 / 2.5
(UNLESS OTHERWISE NOTED)

A 0.75" NPT CONDUIT CONNECTION AT 12 O'CLOCK POSITION

## SPECIFICATIONS

| MODEL | EN858BD72WL | | EN858BD86WL | EN858BA72WL | | CP858FZ72WLR |
|---|---|---|---|---|---|---|
| Part No. | 038744 | | 038745 | 080070 | | 038980 |
| Motor Enclosure – Shaft Material | Explosion-proof – **CS** | | Explosion-proof – **CS** | Explosion-proof – **CS** | | Chem XP – **SS** |
| Horsepower | 10.0 | | 10.0 | 7.5 | | Same as EN858BD72WL – 038744 except add Chemical Processing (CP) features from catalog inside front cover |
| Phase – Frequency [1] | Three - 60 Hz | | Three - 60 Hz | Three - 60 Hz | | |
| Voltage [1] | 230 | 460 | 575 | 230 | 460 | |
| Motor Nameplate Amps | 24 | 12 | 9.6 | 17 | 8.5 | |
| Max. Blower Amps [3] | 24 | 12 | 11.6 | 26 | 13 | |
| Inrush Amps | 162 | 81 | 93 | 126 | 63 | |
| Starter Size | 2 | 1 | 1 | 1 | 1 | |
| Service Factor | 1.0 | | 1.0 | 1.0 | | |
| Thermal Protection [2] | Class B - Pilot Duty | | Class B - Pilot Duty | Class B - Pilot Duty | | |
| XP Motor Class – Group | I-D, II-F&G | | I-D, II-F&G | I-D, II-F&G | | |
| Shipping Weight | 332 lb (151 kg) | | 332 lb (151 kg) | 320 lb (145 kg) | | |

[1] Rotron motors are designed to handle a broad range of world voltages and power supply variations. Our dual voltage 3 phase motors are factory tested and certified to operate on both: **208-230/415-460 VAC-3 ph-60 Hz** and **190-208/380-415 VAC-3 ph-50 Hz**. Our dual voltage 1 phase motors are factory tested and certified to operate on both: **104-115/208-230 VAC-1 ph-60 Hz** and **100-110/200-220 VAC-1 ph-50 Hz**. All voltages above can handle a ±10% voltage fluctuation. Special wound motors can be ordered for voltages outside our certified range.

[2] Maximum operating temperature: Motor winding temperature (winding rise plus ambient) should not exceed 140°C for Class F rated motors or 120°C for Class B rated motors. Blower outlet air temperature should not exceed 140°C (air temperature rise plus inlet temperature). Performance curve maximum pressure and suction points are based on a 40°C inlet and ambient temperature. Consult factory for inlet or ambient temperatures above 40°C.

[3] Maximum blower amps corresponds to the performance point at which the motor or blower temperature rise with a 40°C inlet and/or ambient temperature reaches the maximum operating temperature.

**Specifications subject to change without notice. Please consult your Local Field Sales Engineer for specification updates.**

Rev. 2/04

# ATTACHMENT E-2:

# SVE System Photographs

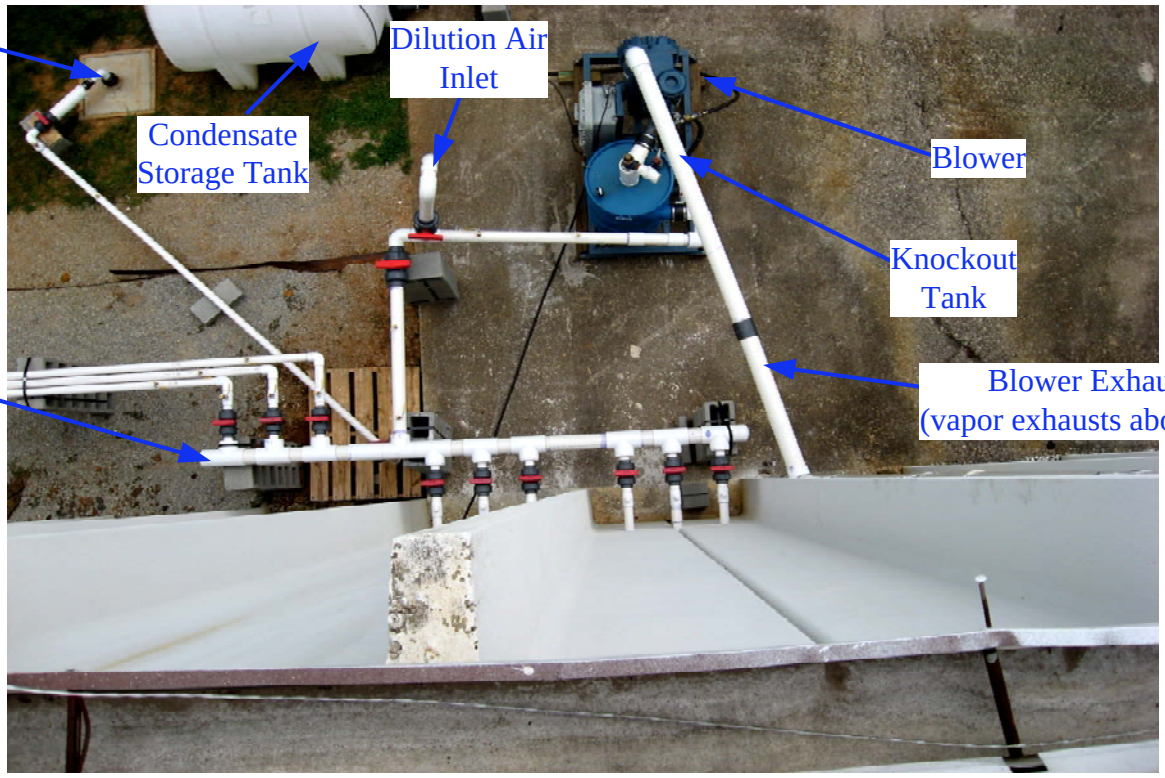



Photo 1: Overhead view of influent pipe manifold and soil vapor extraction equipment assembly. Photo was taken from the building roof.



Photo 2: Knockout tank, SVE Blower control panel, and SVE pipe manifold.



**ATTACHMENT E-2: PHOTOGRAPHS**
**SOIL VAPOR EXTRACTION SYSTEM**
**AVERY DENNISON FACILITY**
**FLOWERY BRANCH, GEORGIA**

The Johnson Company
100 State Street
Montpelier, VT 06502
(802) 229-4600

Drawn by: PCS Date: 11/14/12
Chck'd by:GAK Date: 11/23/12
Scale: None Project: 1-0145-04

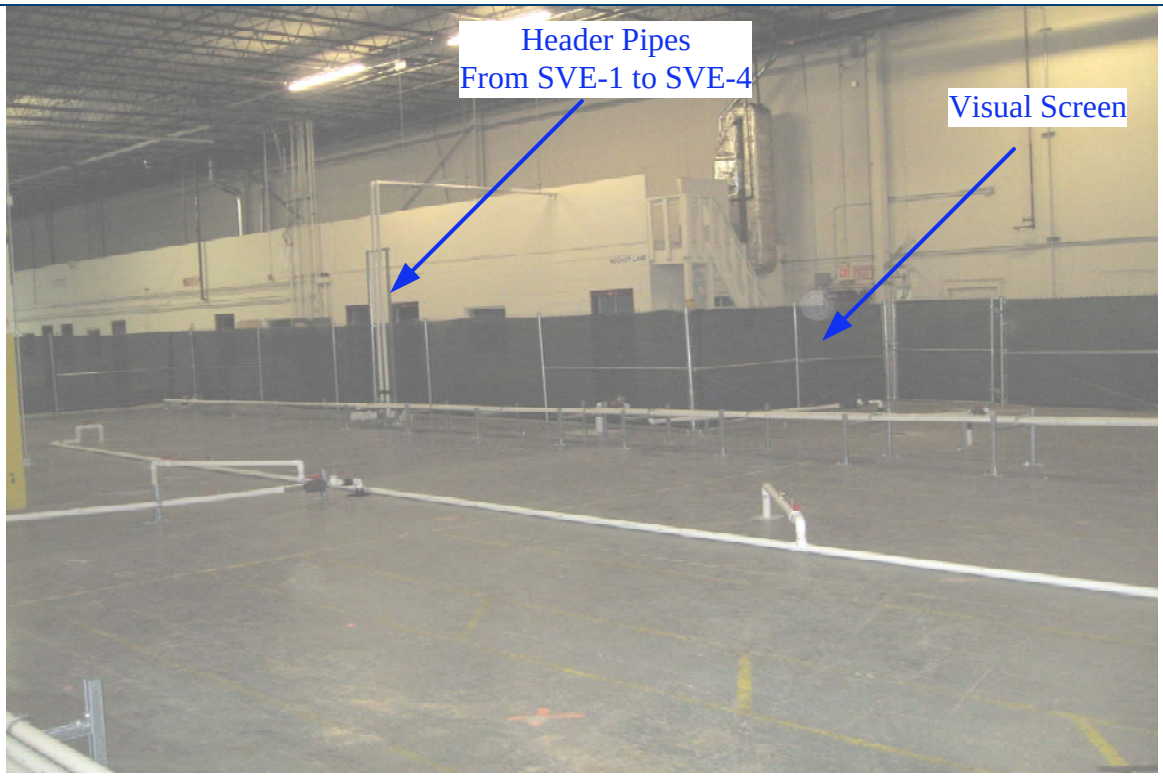



Photo 3: View of SVE points and header pipes located inside the building. The pipes are located within a chain link fence and visual screen.



Photo 4: View of SVE exhaust stack above the building roof.



**ATTACHMENT E-2: PHOTOGRAPHS**
**SOIL VAPOR EXTRACTION SYSTEM**
**AVERY DENNISON FACILITY**
**FLOWERY BRANCH, GEORGIA**

The Johnson Company
100 State Street
Montpelier, VT 06502
(802) 229-4600

Drawn by: PCS Date: 11/14/12
Chck'd by: GAK Date: 11/23/12
Scale: None Project: 1-0145-04



Photo 5: Layout of SVE header pipes in mezzanine area. The header pipes connect to SVE-1 to SVE-4 (see Photo 3).

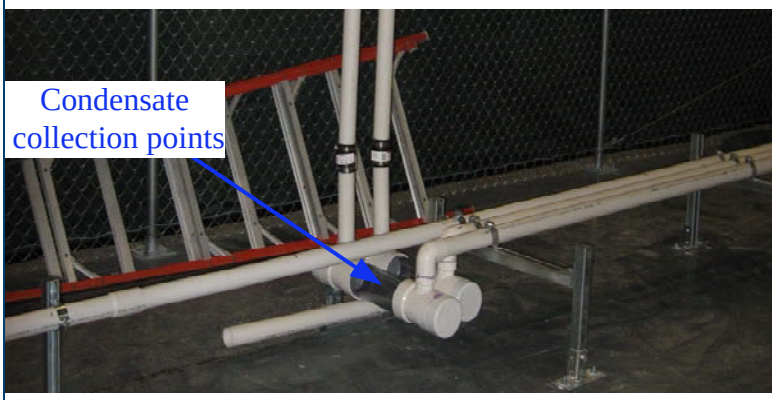



Photo 6: Condensate collection points for header pipes from SVE-1/SVE-2 and SVE-3/SVE-4 (see Photo 3).

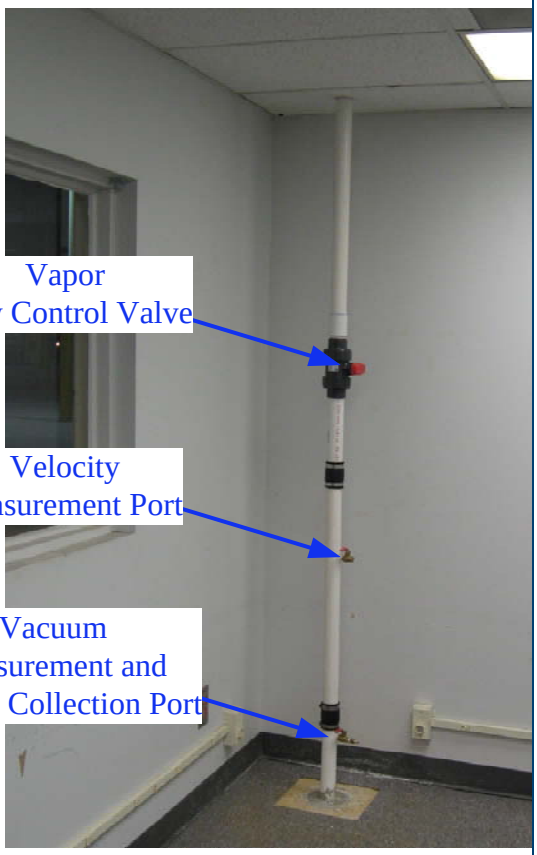



Photo 7: Typical piping and monitoring ports for extraction points SVE-1 to SVE-4 (SVE-4 shown).



The Johnson Company
100 State Street
Montpelier, VT 06502
(802) 229-4600

Drawn by: PCS Date: 11/14/12
Chck'd by: GAK Date: 11/23/12
Scale: None Project: 1-0145-04



Photo 8: Header Pipes near MP-11 and SVE-2. The pipes and SVE points are located within a chain link fence and visual screen.

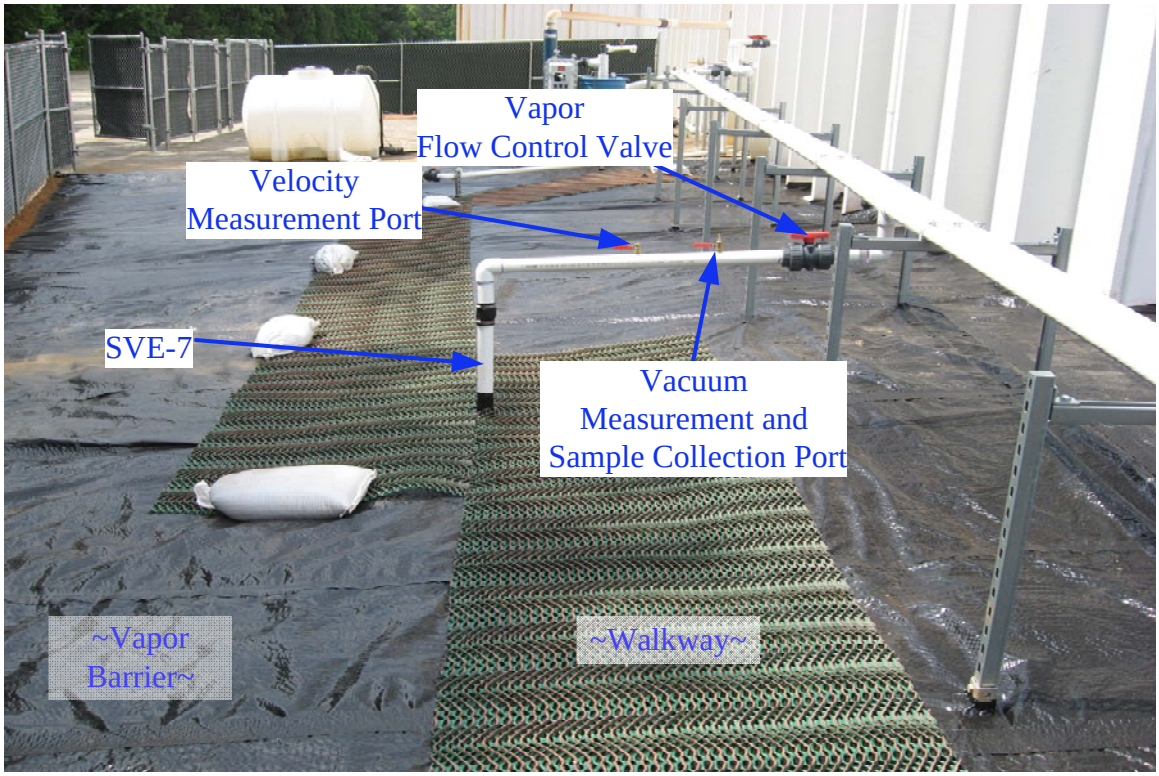



Photo 9: Installed SVE-7 and measurement ports, and vapor barrier applied to ground surface.



The Johnson Company
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Montpelier, VT 06502
(802) 229-4600

Drawn by: PCS Date: 11/14/12
Chck'd by: GAK Date: 11/23/12
Scale: None Project: 1-0145-04



Photo 10: Pipe boot installed around extraction point to seal pipe penetration through vapor barrier.



Photo 11: Pipe boot installed around pipe support to seal penetration through vapor barrier.

# ATTACHMENT E-3:

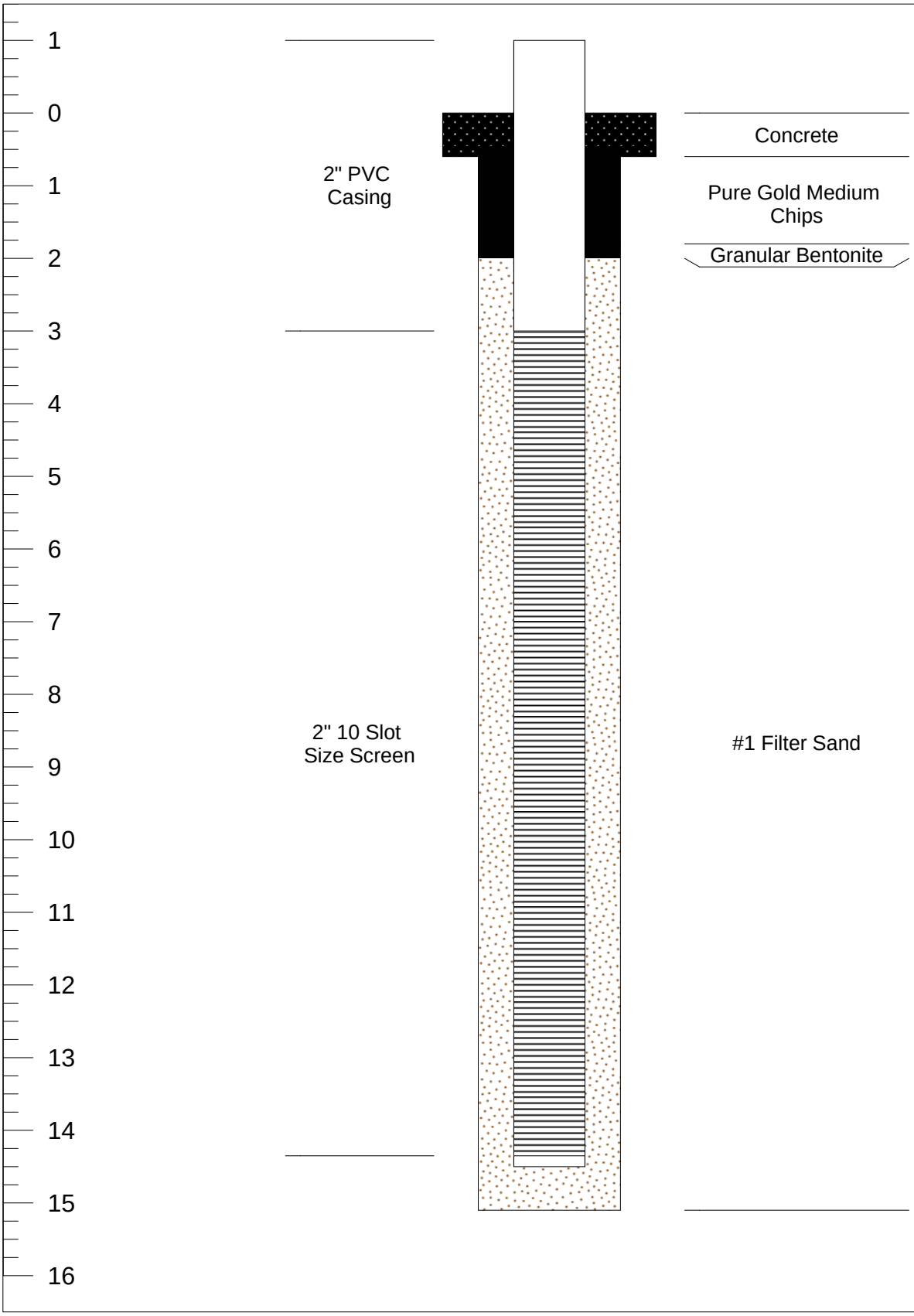
# Well Construction Logs: SVE-1 to SVE-7

The Johnson Company, Inc.
100 State St. Suite 600
Montpelier, VT 05602
(802) 229-4600

# SVE-1

**Project:** 1-0145-4
**Client:** Avery Dennison
**Location:** Flowery Branch, GA
**Logger:** TRO
**Start Date:** 10/24/2011
**End Date:** 10/24/2011

## Well Construction




**Driller:** JCO & William's Transport
**Drilling Method:** Hand Auger

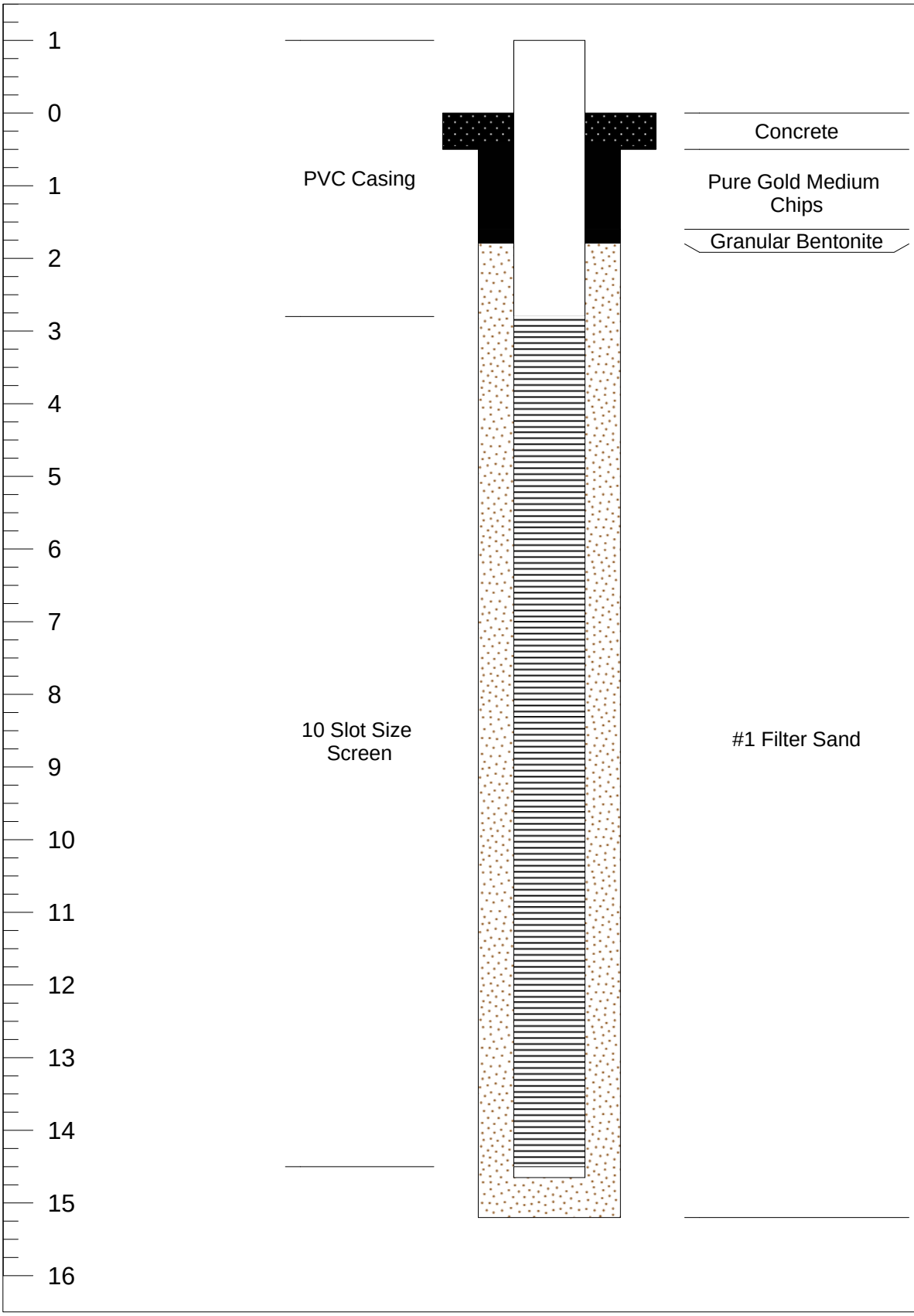
**Casing Type:** 2.0" ID PVC
**Screen Type:** 2.0" ID, 0.010" slots
**Filter Media:** #1 Sand

The Johnson Company, Inc.
100 State St. Suite 600
Montpelier, VT 05602
(802) 229-4600

# SVE-2

**Project:** 1-0145-4
**Client:** Avery Dennison
**Location:** Flowery Branch, GA
**Logger:** TRO
**Start Date:** 10/24/2011
**End Date:** 10/24/2011

## Well Construction




**Driller:** JCO & William's Transport
**Drilling Method:** Hand Auger

**Casing Type:** 2.0" ID PVC
**Screen Type:** 2.0" ID, 0.010" slots
**Filter Media:** #1 Sand

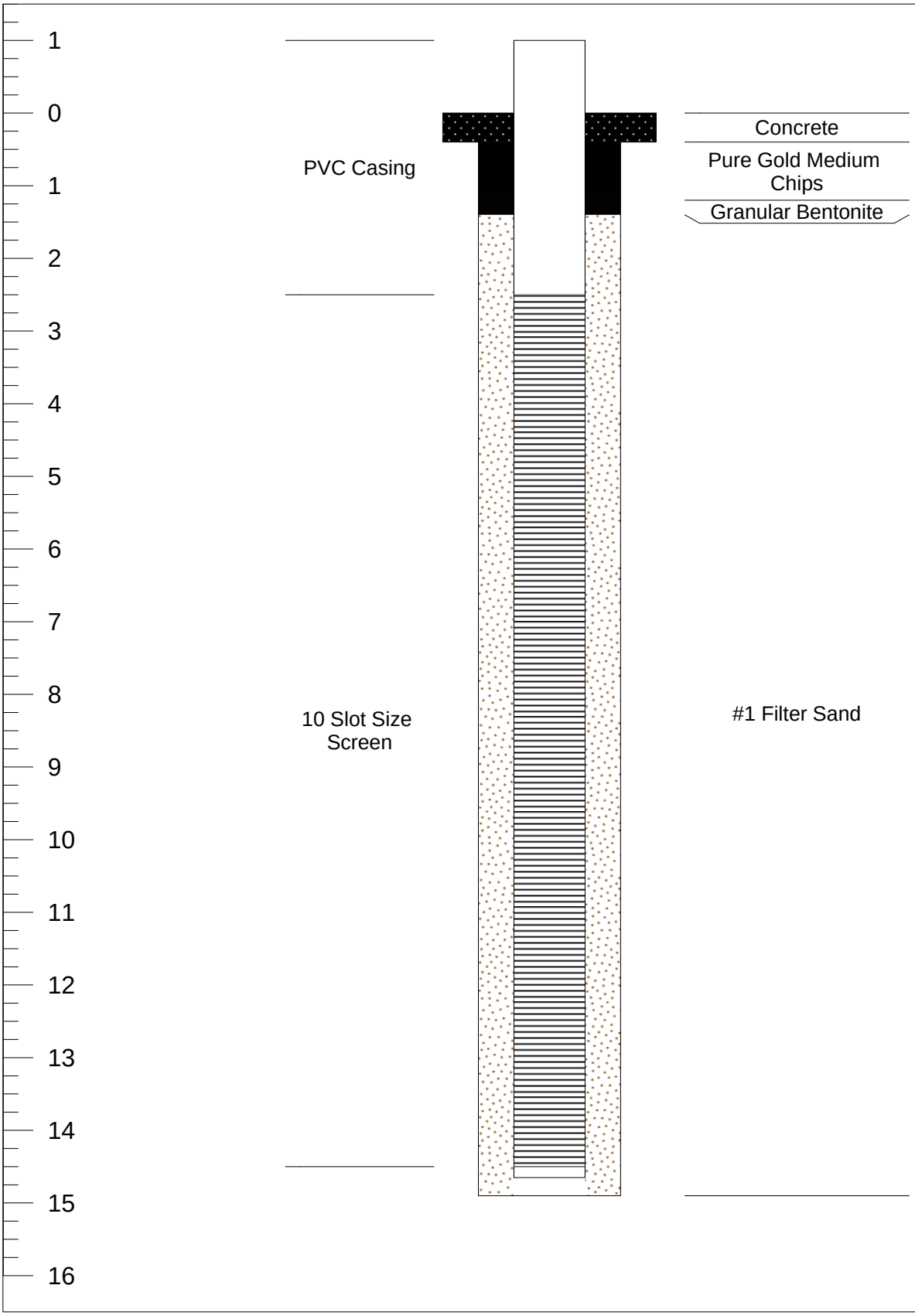
The Johnson Company, Inc.
100 State St. Suite 600
Montpelier, VT 05602
(802) 229-4600

# SVE-3

**Project:** 1-0145-4
**Client:** Avery Dennison
**Location:** Flowery Branch, GA
**Logger:** TRO
**Start Date:** 10/24/2011
**End Date:** 10/24/2011

**Depth (ft bgs)**

## Well Construction




**Driller:** JCO & William's Transport
**Drilling Method:** Hand Auger

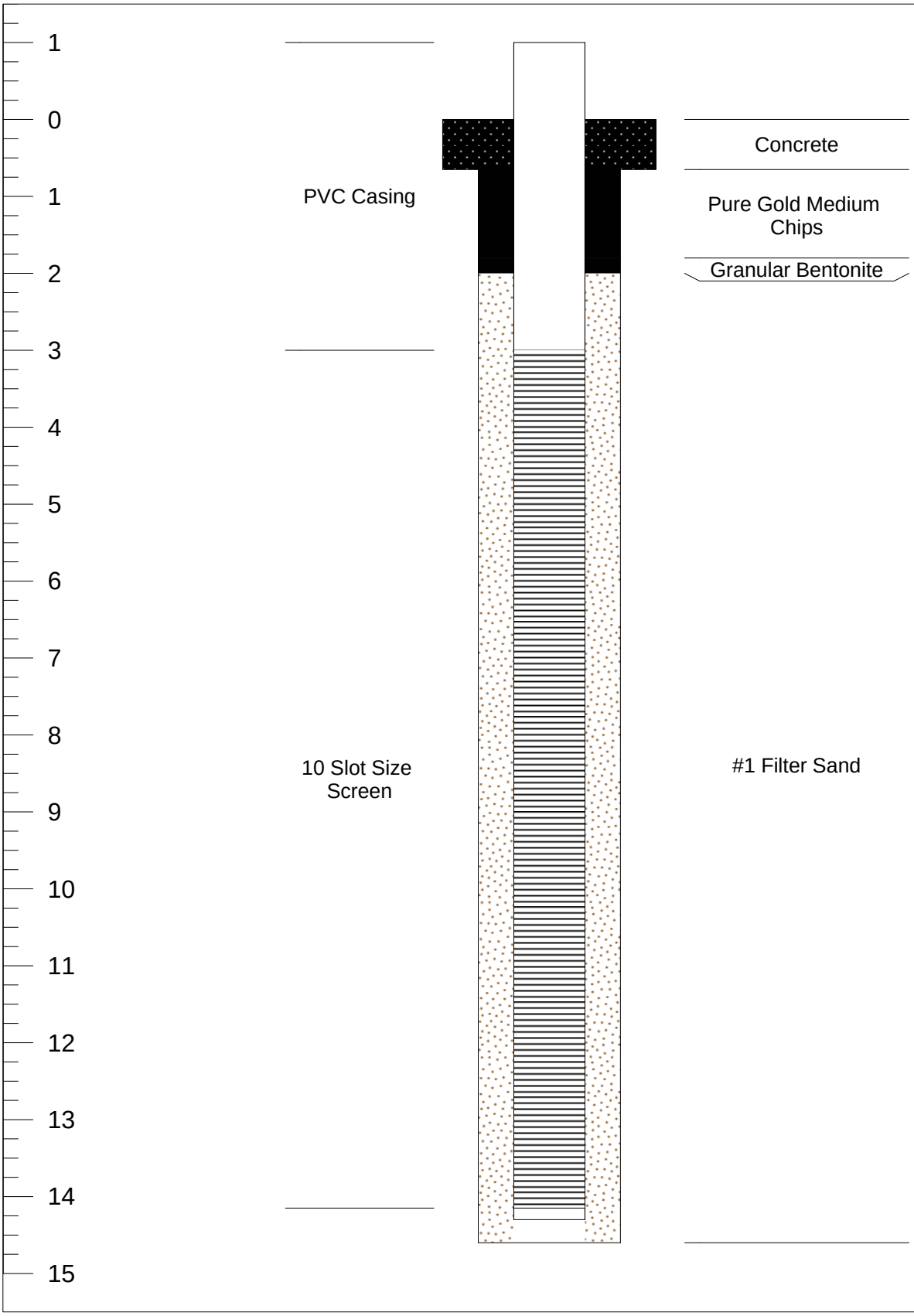
**Casing Type:** 2.0" ID PVC
**Screen Type:** 2.0" ID, 0.010" slots
**Filter Media:** #1 Sand

The Johnson Company, Inc.
100 State St. Suite 600
Montpelier, VT 05602
(802) 229-4600

# SVE-4

**Project:** 1-0145-4
**Client:** Avery Dennison
**Location:** Flowery Branch, GA
**Logger:** TRO
**Start Date:** 10/24/2011
**End Date:** 10/24/2011

## Well Construction




**Driller:** JCO & William's Transport
**Drilling Method:** Hand Auger

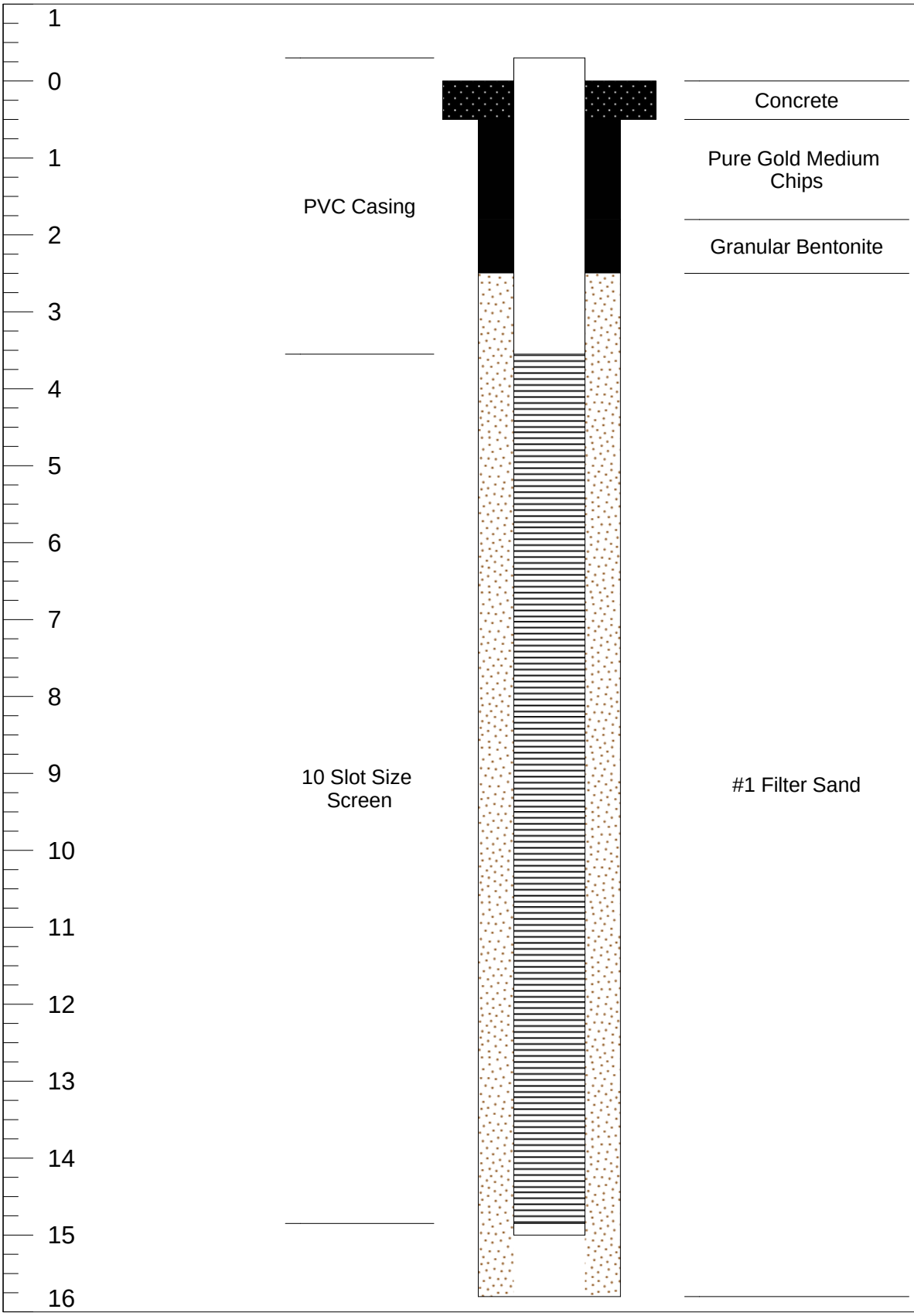
**Casing Type:** 2.0" ID PVC
**Screen Type:** 2.0" ID, 0.010" slots
**Filter Media:** #1 Sand

The Johnson Company, Inc.
100 State St. Suite 600
Montpelier, VT 05602
(802) 229-4600

# SVE-5

**Project:** 1-0145-4
**Client:** Avery Dennison
**Location:** Flowery Branch, GA
**Logger:** TRO
**Start Date:** 10/23/2011
**End Date:** 10/23/2011

## Well Construction




**Driller:** JCO & William's Transport
**Drilling Method:** Hand Auger

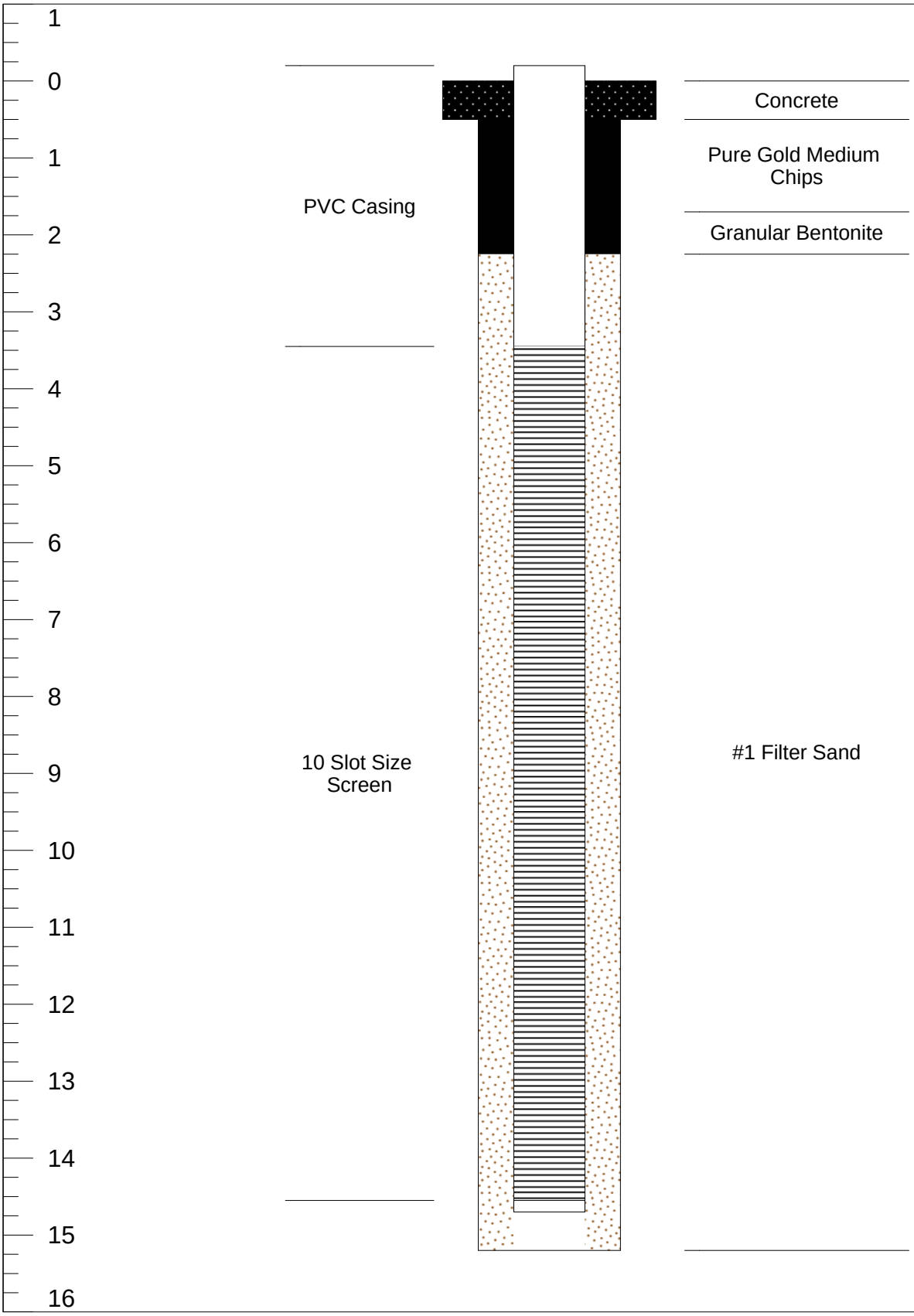
**Casing Type:** 2.0" ID PVC
**Screen Type:** 2.0" ID, 0.010" slots
**Filter Media:** #1 Sand

The Johnson Company, Inc.
100 State St. Suite 600
Montpelier, VT 05602
(802) 229-4600

# SVE-6

**Project:** 1-0145-4
**Client:** Avery Dennison
**Location:** Flowery Branch, GA
**Logger:** TRO
**Start Date:** 10/23/2011
**End Date:** 10/23/2011

## Well Construction




**Driller:** JCO & William's Transport
**Drilling Method:** Hand Auger

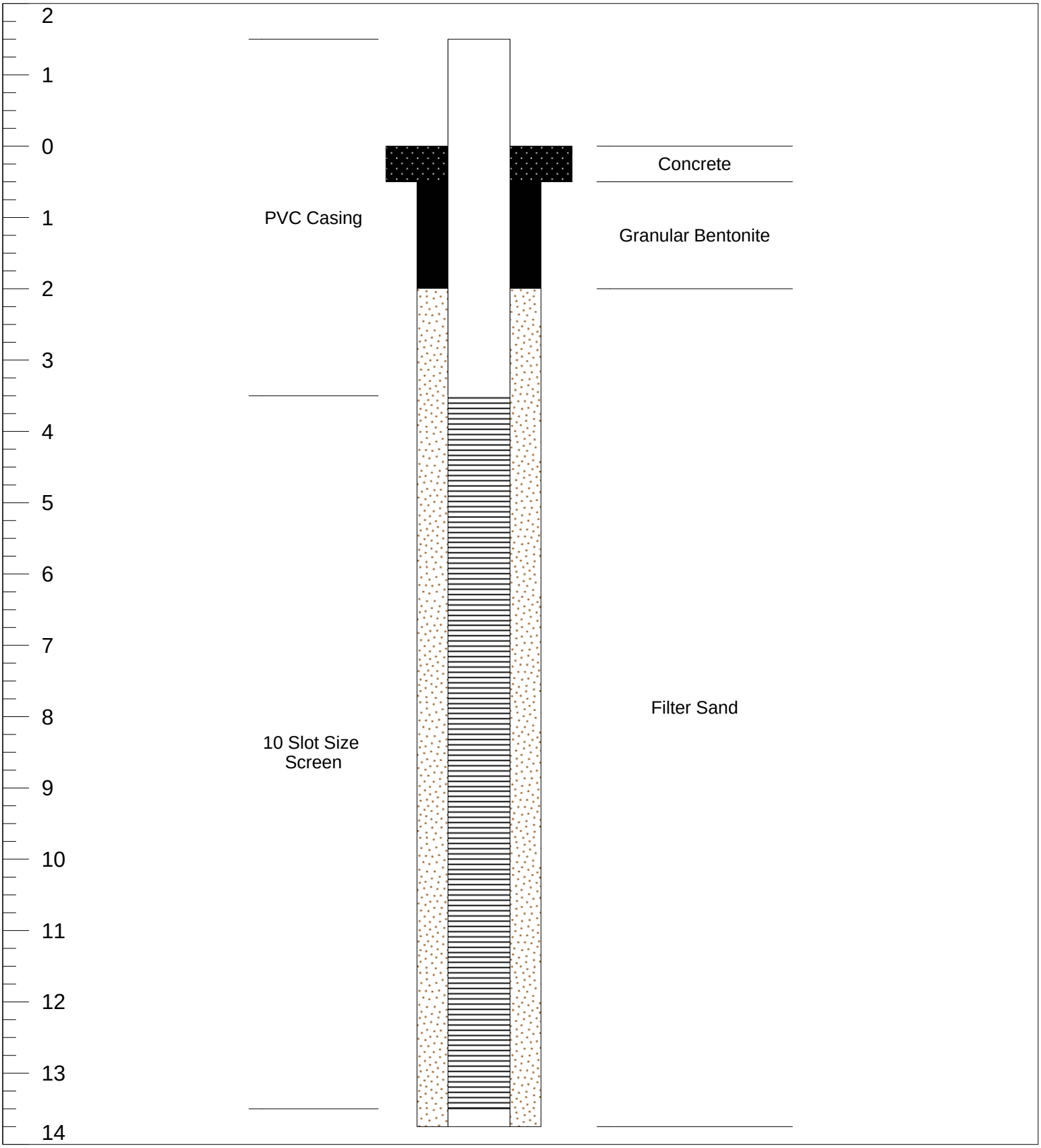
**Casing Type:** 2.0" ID PVC
**Screen Type:** 2.0" ID, 0.010" slots
**Filter Media:** #1 Sand

The Johnson Company, Inc.
100 State St. Suite 600
Montpelier, VT 05602
(802) 229-4600

# SVE-7

**Project:** 1-0145-4
**Client:** Avery Dennison
**Location:** Flowery Branch, GA
**Logger:** TRO
**Start Date:** 5/12/2012
**End Date:** 5/12/2012

## Well Construction




**Driller:** JCO & William's Transport
**Drilling Method:** Hand Auger

**Casing Type:** 2.0" ID PVC
**Screen Type:** 2.0" ID, 0.010" slots
**Filter Media:** #1 Sand

# ATTACHMENT E-4:

# Example Calculations

**THE JOHNSON CO., INC.**
100 STATE ST #600
MONTPELIER , VT 05602
**802-229-4600 Fax 802-229-5876**

JOB 1-0145-4
SHEET NO. 1 OF 4
CALCULATED BY PCS DATE 11/26/12
CHECKED BY JS DATE 11/26/2012
SCALE None

**Goal:** Calculate the flow rate of vapor extracted by the interim soil vapor extraction system (the System) based on the June 7, 2012 field data.

**Background:** As of May 2012, the System included 22 vapor extraction points, connected to a blower via solid PVC header pipes, combined into a manifold connected to the blower suction. Vacuum and vapor velocity measurement ports were installed in the vapor collections pipes near each extraction point and in the header pipes connected to the manifold.

During the June 7, 2012 Operator Site visit, vacuums, vapor velocities, and valve positions were recorded from measuring ports throughout the System, the completed Operator Field Form is attached to this calculation (Attachment 1).

**Approach:** The soil vapor extraction points connected to the System can be categorized as points directly connected to the manifold near the blower, or as extraction points connected to a common header pipe, which in turn connects to the blower manifold.

For extraction points connected directly to the manifold near the blower (MP-2, MP-4, MP-5, MP-9, MP-11), the extracted vapor flow rates can be calculated using the measured soil vapor velocities, the pipe geometry, and the ideal gas law, using the following steps:
1.) Calculate the vapor flow rate based on the velocity measurement and pipe cross-sectional area.
2.) Calculate an absolute pressure based on the vacuum measurement.
3.) Calculate the vapor flow rate for standard conditions using the ideal gas law.

1.) Vapor Flow Rate Calculation:

Based on the nominal pipe diameter of 2-inches for pipes connected to extraction points, the cross-sectional area ($A_1$) is:

$$A_1 = \pi * (\frac{d}{2})^2 \quad (1)$$

$$A_1 = \pi * \left(\frac{2}{12*2}\right)^2 = 3.14159 * \left(\frac{1}{144}\right) = 0.0218\ ft^2 \quad (2)$$

The vapor flow rate for any given extraction point ($Q_x$) is calculated using the cross-sectional area of the pipe, and the vapor velocity measured ($V_x$) at the extraction point:

$$Q_x = A_1 * V_x \quad (3)$$

Using the field data from 6/7/12 (Attachment 1), the vapor flow rate for MP-2 is calculated as follows:

$$Q_{MP-2} = A_1 * V_{MP-2} = 0.0218\ ft^2 * 787\ \frac{ft}{min} = 17.16\ \frac{ft^3}{min} \quad (4)$$

THE JOHNSON CO., INC.
100 STATE ST #600
MONTPELIER , VT 05602
802-229-4600 Fax 802-229-5876

JOB 1-0145 - 4
SHEET NO. 2 OF 4
CALCULATED BY PCS DATE 11/26/2012
CHECKED BY JTJ DATE 11/26/2012
SCALE None

This calculated flow rate is for vapor at a vacuum of 63 inches of water (the vacuum measured for MP-2, see Attachment 1).

2.) Convert the measured vacuum to absolute pressure:

The field vacuum measurements were recorded in units of inches of water. Given there are 406.7825 inches of water per atmosphere (atm), the vacuum measurement ($P_x$) is converted to an absolute pressure ($P_{x,A}$ )as follows:

$$P_{x,A} = 1\ atm - P_X * \frac{1\ atm}{406.7825\ in\ H_2O} \quad (5)$$

Using the vacuum measurement collected near MP-2 on 6/7/12 with equation 5 yields:

$$P_{MP-2,A} = 1\ atm - 63\ in\ H_2O * \frac{1\ atm}{406.7825\ in\ H_2O} = 1\ atm - 0.1549\ atm = 0.845\ atm \quad (6)$$

3.) Use the ideal gas law to calculate the vapor flow rate at atmospheric conditions:

The ideal gas law is:

$$P * V = \eta * R * T \quad (7)$$

where

P = pressure,

η= number of moles,

R = ideal gas constant, and

T = temperature.

The ideal gas law may be used to calculate the volume of gas that would be present at standard conditions (subscript sc) (20 degrees Celsius, 1 atmosphere of pressure), given measurements performed at other conditions (subscript m):

$$P_m * V_m = \eta_m * R * T_m \quad (8)$$

$$P_{sc} * V_{sc} = \eta_{sc} * R * T_{sc} \quad (9)$$

Dividing equation 8 by equation 9 yields:

$$\frac{P_m}{P_{sc}} * \frac{V_m}{V_{sc}} = \frac{\eta_m}{\eta_{sc}} * R * \frac{T_m}{T_{sc}} \quad (10)$$

Equation 10 is being employed to evaluate the change in volume related to changing temperature and pressure. Therefore, the number of moles of gas present will remain unchanged, $\eta_m = \eta_{sc}$. The hot-wire anemometer automatically reports vapor velocities in units of feet per minute at standard temperature (per phone conversations with technical support at Dwyer, the anemometer manufacturer). Therefore, $T_m = T_{sc}$. Therefore, equation 10 simplifies to:

$$\frac{P_m}{P_{sc}} * \frac{V_m}{V_{sc}} = 1 \quad (10)$$

$$V_{sc} = \frac{P_m}{P_{sc}} * V_m \quad (11)$$

The above equations apply to a fixed volume of gas (V) as well as a volumetric flow rate of gas (Q). Applying a direct substitution of Q for V, and substituting 1 atm for $P_{sc}$ (standard pressure is 1 atm) in equation 11 yields:

$$Q_{sc} = \frac{P_m}{1\ atm} * Q_m \quad (12)$$

Equation 12 may be employed to calculate the flow rate of a gas under standard pressure conditions, given a measured volumetric flow rate and pressure. Given the previously calculated flow rate and pressure for MP-2 (17.16 $ft^3$/min, 0.845 atm), the MP-2 vapor flow rate for standard conditions ($Q_{sc\ MP\text{-}2}$) is calculated:

$$Q_{sc,\ MP-2} = \frac{0.845\ atm}{1\ atm} * 17.16 \frac{ft^3}{min} = 14.5\ SCFM\ (standard\ cubic\ feet\ per\ minute) \quad (13)$$

This method was used to calculate the extracted vapor flow rates for the four extraction points connected directly to the blower manifold (MP-2, MP-4, MP-5, and MP-9). Table 1 presents a spreadsheet calculation of the vapor flow rates for each of these four extraction points.

The remaining eighteen soil vapor extraction points are connected to the blower via a common header pipe that conveys extracted vapor from two extraction points. Vapor velocity and vacuum measurement ports were installed in these common header pipes, facilitating calculation of extracted vapor flow rates based on either the measurements collected from the individual extraction points, or the measurements collected from the header pipes. Extracted vapor velocities were calculated using both the header pipe and extraction point data by employing equations 3, 4, and 13 as described above. Table 2 presents a spreadsheet with calculations of the extracted vapor flow rates using measurements performed near the extraction points, Table 3 presents a spreadsheet with calculations of the extracted vapor flow rates calculated based on common header pipe measurements.

The flow rates calculated based data from the extraction points (Table 2) are significantly higher than the flow rates calculated based on header pipe data (Table 3). The combined flow rate of soil vapor extracted by the System was calculated by summing the vapor flow rates calculated in Table 2 or Table 3 with the flow rates calculated in Table 1. The resulting combined total System flow rate calculated based on data from extraction points is 257 SCFM, the resulting combined total System flow rate calculated based on header pipe measurements is 144 SCFM. The manufacturer's performance curve for the blower (Attachment 2) indicates that at the System operating vacuum of 82 inches of water (post-filter vacuum data on the completed field form – Attachment 1), the blower will generate a flow rate of about 200 SCFM. The combined

total system flow rate calculated based on header pipe measurements is 203 SCFM (total flow rate from Table 1 + total flow rate from Table 3), which is similar to the blower flow rate indicated by the performance curve. The combined total system flow rate calculated based on measurements from individual extraction points is approximately 317 SCFM, which is significantly higher than the flow rate determined based on the blower performance curve. Based on the similarity between the blower performance curve and the total system flow calculated based on header pipe measurements, the header pipe measurements were considered to be representative of the extracted vapor flow rate passing through the header pipe. The measurements collected from individual extraction points were used to calculate the proportion of extracted vapor flows in the header pipe that came from each connected point connected to the header pipe, as shown in the following example:

Extraction points MP-6 and MW64 are both connected to the blower manifold via a common header pipe.

Header pipe field measurements result in a calculated vapor flow rate of 16.6 SCFM (Table 3), measurements from the extraction points yielded calculated flow rates of 15.2 SCFM for MP-6 and 14.8 SCFM for MW64 (Table 2).

Given that the header pipe flow rate is representative of the combined vapor flow rate from both extraction points:

$16.6\ SCFM = Q_{MP\text{-}6} + Q_{MW64}$ (14)

$Q_{MP\text{-}6}/Q_{MW64} = 15.2\ SCFM / 14.8\ SCFM = 1.027$ (15)

$Q_{MP\text{-}6} = 1.027 * Q_{MW64}$ (16)

Substituting into Equation 14:

$16.6\ SCFM = 1.027Q_{MW64} + Q_{MW64}$ (17)

$16.6\ SCFM = 2.027\ Q_{MW64}$ (18)

$Q_{MW64} = 8.19\ SCFM$ (19)

$Q_{MP\text{-}6} = 1.027* 8.14\ SCFM = 8.41\ SCFM$ (20)

The above approach was used to calculate extracted vapor flow rates for each extraction point connected to a header pipe. See Table 4 for a spreadsheet calculation.

The total flow of extracted vapor flowing through the system was calculated as the sum of the vapor flow rates presented in Table 1 and Table 4 (59.3 SCFM + 144 SCFM = 203 SCFM), resulting in a total extracted flow rate of 203 SCFM.

# TABLES

**Table 1: Flow Rate Calculations Based on Measurements Taken Near Extraction Points for Vapor Wells Connected Directly to the Blower Pipe Manifold**

| Measurement Point | Soil vapor velocity measurements near extraction points | Pipe cross-sectional area | Calculated vapor flow rate | Measured vacuum | Absolute pressure of vacuum | Calculated vapor flow rates |
|---|---|---|---|---|---|---|
| | fpm | $ft^2$ | cfm | inches of $H_2O$ | atm | SCFM |
| MP-2 | 787 | 0.0218 | 17.2 | 63.0 | 0.8 | 14.5 |
| MP-4 | 677 | 0.0218 | 14.8 | 63.0 | 0.8 | 12.5 |
| MP-5 | 838 | 0.0218 | 18.3 | 63.0 | 0.8 | 15.5 |
| MP-9 | 914 | 0.0218 | 19.9 | 63.0 | 0.8 | 16.9 |
| **Total** | | | | | | **59.3** |
| Column Index | 1 | 2 | 3 | 4 | 5 | 6 |
| Calculation Reference | Attachment 1 | Pipes are 2 inches in diameter | Column 1 X column 2 | Attachment 1 | 1-(Column 4 X 1 / 406.76) | Column 3 X Column 5 |

**Table 2: Flow Rate Calculations Based on Measurements Taken Near Extraction Points, for Vapor Wells Connected to Header Pipes that Connect to the Blower Pipe Manifold**

| Measurement Point | Soil vapor velocity measurements near extraction points | Pipe cross-sectional area | Calculated vapor flow rate | Measured vacuum | Absolute pressure of vacuum | Calculated vapor flow rates |
|---|---|---|---|---|---|---|
| | fpm | ft2 | cfm | inches of $H_2O$ | atm | SCFM |
| MP-3 | 797 | 0.0218 | 17.4 | 62.9 | 0.8 | 14.7 |
| MP-6 | 823 | 0.0218 | 18.0 | 61.8 | 0.8 | 15.2 |
| MP-7 | 745 | 0.0218 | 16.3 | 62.6 | 0.8 | 13.8 |
| MP-8 | 878 | 0.0218 | 19.2 | 62.8 | 0.8 | 16.2 |
| MP-10 | 800 | 0.0218 | 17.5 | 63.0 | 0.8 | 14.8 |
| MP-11 | 775 | 0.0218 | 16.9 | 63.0 | 0.8 | 14.3 |
| VW3 | 722 | 0.0218 | 15.8 | 63.0 | 0.8 | 13.3 |
| VW5 | 688 | 0.0218 | 15.0 | 62.7 | 0.8 | 12.7 |
| VW6 | 725 | 0.0218 | 15.8 | 63.0 | 0.8 | 13.4 |
| MW64 | 799 | 0.0218 | 17.4 | 62.2 | 0.8 | 14.8 |
| MW65S | 806 | 0.0218 | 17.6 | 62.8 | 0.8 | 14.9 |
| SVE-1 | 732 | 0.0218 | 16.0 | 63.0 | 0.8 | 13.5 |
| SVE-2 | 722 | 0.0218 | 15.8 | 63.0 | 0.8 | 13.3 |
| SVE-3 | 766 | 0.0218 | 16.7 | 62.9 | 0.8 | 14.1 |
| SVE-4 | 718 | 0.0218 | 15.7 | 62.9 | 0.8 | 13.2 |
| SVE-5 | 871 | 0.0218 | 19.0 | 62.9 | 0.8 | 16.1 |
| SVE-6 | 733 | 0.0218 | 16.0 | 62.6 | 0.8 | 13.5 |
| SVE-7 | 845 | 0.0218 | 18.4 | 63.0 | 0.8 | 15.6 |
| **Total** | | | | | | **257.3** |
| Column Index | 1 | 2 | 3 | 4 | 5 | 6 |
| Calculation Reference | Attachment 1 | Pipes are 2 inches in diameter | Column 1 X column 2 | Attachment 1 | 1-(Column 4 X 1 / 406.76) | Column 3 X Column 5 |

**Table 3: Flow Rate Calculations Based on Measurements Taken From Header Pipes**

| Header pipe | Soil vapor velocity measurements near extraction points | Pipe cross-sectional area | Calculated vapor flow rate | Measured vacuum | Absolute pressure of vacuum | Calculated vapor flow rates |
|---|---|---|---|---|---|---|
| | fpm | $ft^2$ | cfm | inches of $H_2O$ | atm | SCFM |
| MP-3<br>VW-6 | 938 | 0.0218 | 20.5 | 63 | 0.85 | 17.3 |
| MP-06<br>MW-64 | 898 | 0.0218 | 19.6 | 62.9 | 0.85 | 16.6 |
| MP-07<br>VW-5 | 871 | 0.0218 | 19.0 | 62.9 | 0.85 | 16.1 |
| MP-08<br>MW-65S | 719 | 0.0218 | 15.7 | 62.8 | 0.85 | 13.3 |
| MP-10<br>VW-3 | 1015 | 0.0218 | 22.1 | 62.9 | 0.85 | 18.7 |
| SVE-1<br>SVE-2 | 827 | 0.0218 | 18.0 | 63 | 0.85 | 15.2 |
| SVE-3<br>SVE-4 | 821 | 0.0218 | 17.9 | 63.0 | 0.85 | 15.1 |
| SVE-5<br>SVE-6 | 820 | 0.0218 | 17.9 | 62.9 | 0.85 | 15.1 |
| MP-11<br>SVE-7 | 900 | 0.0218 | 19.6 | 62.9 | 0.85 | 16.6 |
| **Total** | | | | | | **144.0** |
| Column Index | 1 | 2 | 3 | 4 | 5 | 6 |
| Calculation Reference | Attachment 1 | Pipes are 2 inches in diameter | Column 1 X column 2 | Attachment 1 | 1-(Column 4 X 1 / 406.76) | Column 3 X Column 5 |

**Table 4: Flow Rate Calculations Based on Header Pipe Flow Rates and Ratios of Calculated Flow Rates Based on Extraction Point Measurements**

| Header Pipe | Calculated vapor flow rates | Ratio of Flow Rates | Header pipe vapor flow rate | Calculated Extraction point flow rate based on ratio and header pipe flow rate |
|---|---|---|---|---|
| | SCFM | unitless | SCFM | SCFM |
| MP-3 | 14.7 | 1.0996 | 17.3 | 9.1 |
| VW6 | 13.4 | | | 8.2 |
| MP-6 | 15.2 | 1.0312 | 16.6 | 8.4 |
| MW64 | 14.8 | | | 8.2 |
| MP-7 | 13.8 | 1.0832 | 16.1 | 8.4 |
| VW5 | 12.7 | | | 7.7 |
| MP-8 | 16.2 | 1.0893 | 13.3 | 6.9 |
| MW65S | 14.9 | | | 6.3 |
| MP-10 | 14.8 | 1.1080 | 18.7 | 9.8 |
| VW3 | 13.3 | | | 8.9 |
| MP-11 | 14.3 | 0.9172 | 15.2 | 7.3 |
| SVE-7 | 15.6 | | | 8.0 |
| SVE-1 | 13.5 | 1.0139 | 15.1 | 7.6 |
| SVE-2 | 13.3 | | | 7.5 |
| SVE-3 | 14.1 | 1.0669 | 15.1 | 7.8 |
| SVE-4 | 13.2 | | | 7.3 |
| SVE-5 | 16.1 | 1.1872 | 16.6 | 9.0 |
| SVE-6 | 13.5 | | | 7.6 |
| **Total** | | | | **144** |

THE JOHNSON CO., INC.
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802-229-4600 Fax 802-229-5876

JOB 1-0145-4 SVE System
SHEET NO. 1 OF 2
CALCULATED BY PCS DATE 11/26/12
CHECKED BY JTJ DATE 11/26/2012
SCALE None

**Goal:** Calculate the mass flow rate of volatile organic compounds removed by the interim soil vapor extraction system (the System) based on the June 7, 2012 field data and analytical laboratory data from samples collected on May 31, 2012.

**Background:** A separate calculation described the process for calculating the extracted vapor flow rates for the System based on field measurements performed on June 7, 2012. Extracted soil vapor samples were collected from the System on May 31, 2012, and submitted to an analytical laboratory for analysis of target volatile organic compounds (VOC). The laboratory report (Attachment 1) reported target VOC concentrations in units of parts per billion by volume, and micrograms per cubic meter.

**Approach:** Total VOC Concentrations for each extraction point may be calculated by summing each reported concentration of a target analyte that is greater than the laboratory detection limit, and assuming a concentration of zero for any analyte not detected by the laboratory. Table 1 presents the total VOC concentration calculated for samples collected from piping near each extraction point connected to the SVE system. Table 2 presents the previously calculated soil vapor flow rates for each extraction point using the field data recorded on June 7, 2012. Assuming that the VOC concentrations remain constant between sampling events, the laboratory data reported for the May 31, 2012 sampling event was used in conjunction with the calculated flow rates for each extraction point to calculate a mass flow rate of VOC for each extraction point and the combined mass flow of VOC from by the system

The mass flow rate of total VOC from each extraction point can be calculated using the soil vapor flow rates for each extraction point (see Attachment 1) and the total VOC concentrations from Table 1. The VOC mass flow for any extraction point ($M_x$) is calculated as

$$\dot{M}_X = C_{voc,x} * Q_x \quad (1)$$

This calculation requires converting the vapor flow rate from units of standard cubic feet per minute (SCFM) to standard cubic meters per day (SCMD):

$$Q\ SCMD = Q\ SCFM\ X\ \frac{1440\ min}{day}\ X\ \frac{1\ m^3}{35.31\ ft^3} \quad (2)$$

$$Q\ SCMD = Q\ SCFM * 40.782 \quad (3)$$

For example, to calculate the VOC mass flow rate for MW64 using the data from Table 1 and Table 2 (8.14 SCFM, Cvoc = 2,096,000 µg/m$^3$):

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**802-229-4600 Fax 802-229-5876**

JOB 1-0145-4 SVE System
SHEET NO. 1 OF 2
CALCULATED BY PCS DATE 11/26/12
CHECKED BY SB DATE 11/26/2012
SCALE None

$$Q_{MW64} = 8.14\ SCFM\ X\ 40.782 = 331.97\ \frac{standard\ m^3}{day} \quad (4)$$

$$\dot{M}_{MW64} = 331.97\ \frac{standard\ m^3}{day}\ X\ \frac{2{,}096{,}000\ \mu g}{m^3}\ X\ \frac{1\ mg}{1{,}000\ \mu g}\ X\ \frac{1\ g}{1{,}000\ mg} \quad (5)$$

$$\dot{M}_{MW64} = \frac{696 g}{day}\ X\ \frac{1\ kg}{1{,}000\ g}\ X\ \frac{2.2\ lb}{1\ kg} \quad (6)$$

$$\dot{M}_{MW64} = \frac{1.53\ lb}{day} \quad (7)$$

The above calculations were performed for each extraction point, Table 2 presents a spreadsheet calculation of the mass flow rate of VOC from each extraction point connected to the System. The total combined mass flow of VOCs through the system was calculated as the sum of the VOC flow rates calculated for each extraction point (see Table 2), resulting in a total VOC mass flow rate of 3.5 pounds per day.

# TABLES

**Table 1: Calculation of Total Volatile Organic Compound Concentrations for Samples Collected on May 31, 2012**

| Analyte | MP-2 µg/m³ | MP-3 µg/m³ | MP-4 µg/m³ | MP-5 µg/m³ | MP-6 µg/m³ | MP-7 µg/m³ | MP-8 µg/m³ | MP-9 µg/m³ | MP-10 µg/m³ | MP-11 µg/m³ | VW-3 µg/m³ | VW-5 µg/m³ | VW-6 µg/m³ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1,1,1-Trichloroethane | 4,500 | 6,100 | 1.3 | 1.1 | 410 | 2,200 | 960 | 33 | 200 | 3,600 | 6,400 | 41,000 | 64 |
| 1,1,2,2-Tetrachloroethane | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1,1,2-Trichloroethane | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1,1-Dichloroethane | 170 | 61 | 1.9 | 0 | 24 | 70 | 12 | 0 | 37 | 23 | 0 | 4100 | 180 |
| 1,1-Dichloroethene | 9,200 | 1,400 | 8.8 | 120 | 1,400 | 4,600 | 2,800 | 37 | 65 | 6,200 | 8,500 | 340,000 | 3,400 |
| 1,2,3-Trichloropropane | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1,2,4-Trimethylbenzene | 130 | 0 | 0 | 1 | 0 | 0 | 0 | 1.3 | 3.2 | 0 | 0 | 0 | 0 |
| 1,2-Dibromoethane | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1,2-Dichlorobenzene | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.1 | 0 | 0 | 1400 | 0 |
| 1,2-Dichloroethane | 0 | 0 | 0 | 0 | 0 | 0 | 1.5 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1,2-Dichloropropane | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1,3,5-Trimethylbenzene | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.8 | 0 | 0 | 0 | 0 |
| 1,3-Butadiene | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1,3-Dichlorobenzene | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.9 | 0 | 0 | 0 | 0 |
| 1,4-Dichlorobenzene | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.9 | 0 | 0 | 0 | 0 |
| 2-Butanone | 16,000 | 0 | 5.6 | 5 | 0 | 0 | 4 | 210 | 27 | 1,100 | 16,000 | 2,200 | 27 |
| 2-Hexanone | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3-Chloropropene | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4-Ethyltoluene | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.7 | 0 | 0 | 0 | 0 |
| 4-Methyl-2-Pentanone | 850 | 0 | 0 | 0 | 0 | 0 | 0 | 29 | 5.5 | 99 | 0 | 0 | 0 |
| Acetone | 15,000 | 0 | 17 | 15 | 19 | 17 | 20 | 400 | 40 | 1,100 | 17,000 | 3,900 | 66 |
| Benzene | 0 | 0 | 0 | 0 | 0 | 0 | 0.71 | 0 | 1 | 0 | 0 | 0 | 0 |
| Bromobenzene | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bromodichloromethane | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bromoform | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bromomethane | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Carbon Disulfide | 940 | 0 | 1.8 | 2.4 | 0 | 0 | 0 | 7.5 | 3.6 | 20 | 820 | 0 | 0 |
| Carbon Tetrachloride | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chlorobenzene | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chlorodifluoromethane | 240 | 8.7 | 4.9 | 4.4 | 0 | 8.2 | 5.4 | 1.2 | 0 | 0 | 330 | 0 | 0 |
| Chloroethane | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chloroform | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 260 | 10 | 0 | 0 | 0 | 0 |
| Chloromethane | 59 | 0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| cis-1,2-Dichloroethene | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| cis-1,3-Dichloropropene | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cumene | 0 | 0 | 3.8 | 7.4 | 0 | 0 | 14 | 4.1 | 5.1 | 0 | 0 | 0 | 0 |
| Dibromochloromethane | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dibromomethane | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dichlorodifluoromethane | 0 | 0 | 3 | 2.9 | 0 | 0 | 2.9 | 2.7 | 2.5 | 0 | 0 | 0 | 0 |
| Dichlorofluoromethane | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ethylbenzene | 130 | 0 | 0 | 0 | 0 | 0 | 0 | 0.92 | 3.8 | 0 | 110 | 0 | 0 |
| Freon 113 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Freon 114 | 0 | 0 | 4.4 | 0 | 0 | 0 | 3.1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Heptane | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hexachloroethane | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hexane | 410 | 150 | 0 | 0 | 73 | 41 | 1.4 | 0.87 | 1,700 | 0 | 1,400 | 770 | 0 |
| Isooctane | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| m/p-Xylene | 200 | 0 | 0.9 | 1.2 | 0 | 24 | 1 | 2.5 | 8.7 | 13 | 150 | 0 | 0 |
| Methyl t-Butyl Ether | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Methylene Chloride | 910 | 0 | 0 | 0 | 0 | 15 | 6.2 | 0.71 | 1.6 | 0 | 440 | 920 | 8.1 |
| Octane | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.9 | 0 | 0 | 0 | 0 |
| o-Xylene | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 1.2 | 5.3 | 0 | 0 | 0 | 0 |
| Pentane | 180 | 340 | 5.5 | 1.9 | 170 | 99 | 5.5 | 7.2 | 4,200 | 0 | 2,900 | 1,200 | 0 |
| Styrene | 480 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.93 | 0 | 470 | 0 | 0 |
| Tetrachloroethene | 0 | 17 | 2.5 | 2.1 | 0 | 0 | 1.4 | 0 | 1.8 | 0 | 0 | 1,700 | 16 |
| Toluene | 490 | 110 | 1.1 | 1.6 | 86 | 490 | 7.6 | 2.8 | 2.5 | 0 | 280 | 1,000 | 0 |
| trans-1,2-Dichloroethene | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| trans-1,3-Dichloropropene | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Trichloroethene | 0 | 0 | 0 | 0 | 0 | 0 | 2.5 | 0 | 0 | 0 | 0 | 0 | 0 |
| Trichlorofluoromethane | 0 | 91 | 90 | 72 | 130 | 120 | 91 | 2.4 | 3.1 | 0 | 0 | 0 | 110 |
| Vinyl Chloride | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | | | | | | |
| Total VOC, µg/m³ | 49,889 | 8,278 | 153 | 238 | 2,312 | 7,695 | 3,940 | 1,004 | 6,342 | 12,155 | 54,800 | 398,190 | 3,871 |
| **Total VOC, mg/m³** | **50** | **8** | **0** | **0** | **2** | **8** | **4** | **1** | **6** | **12** | **55** | **398** | **4** |

Notes:

1) See Attachment 1 for the analytical laboratory report

2) Concentrations reported as "ND" in the laboratory report were considered to be 0 for these calculations.

**Table 1: Calculation of Total Volatile Organic Compound Concentrations for Samples Collected on May 31, 2012**

| Analyte | MW-64 | MW-65S | SVE-1 | SVE-2 | SVE-3 | SVE-4 | SVE-5 | SVE-6 | SVE-7 |
|---|---|---|---|---|---|---|---|---|---|
| | µg/m³ | µg/m³ | µg/m³ | µg/m³ | µg/m³ | µg/m³ | µg/m³ | µg/m³ | µg/m³ |
| 1,1,1,2-Tetrachloroethane | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1,1,1-Trichloroethane | 750,000 | 160,000 | 620,000 | 9,000 | 210 | 5.4 | 2,100 | 6,500 | 4,200 |
| 1,1,2,2-Tetrachloroethane | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1,1,2-Trichloroethane | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1,1-Dichloroethane | 35000 | 1400 | 0 | 710 | 100 | 3 | 58 | 66 | 0 |
| 1,1-Dichloroethene | 1,300,000 | 1,600,000 | 36,000 | 14,000 | 530 | 0 | 2,200 | 730 | 2,300 |
| 1,2,3-Trichloropropane | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1,2,4-Trimethylbenzene | 0 | 0 | 0 | 0 | 0 | 0 | 1.7 | 0 | 0 |
| 1,2-Dibromoethane | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1,2-Dichlorobenzene | 0 | 0 | 0 | 0 | 0 | 0 | 1.6 | 0 | 0 |
| 1,2-Dichloroethane | 0 | 0 | 0 | 0 | 0 | 0 | 1.4 | 0 | 0 |
| 1,2-Dichloropropane | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1,3,5-Trimethylbenzene | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 1,3-Butadiene | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1,3-Dichlorobenzene | 0 | 0 | 0 | 0 | 0 | 0 | 1.6 | 0 | 0 |
| 1,4-Dichlorobenzene | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.9 | 0 | 0 |
| 2-Butanone | 0 | 2,200 | 0 | 150 | 20 | 3.3 | 2.4 | 0 | 2,500 |
| 2-Hexanone | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3-Chloropropene | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4-Ethyltoluene | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4-Methyl-2-Pentanone | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 |
| Acetone | 2,100 | 3,600 | 1,500 | 1,400 | 76 | 11 | 12 | 24 | 2,400 |
| Benzene | 0 | 0 | 0 | 0 | 0 | 0 | 0.91 | 0 | 0 |
| Bromobenzene | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bromodichloromethane | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bromoform | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bromomethane | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Carbon Disulfide | 0 | 0 | 0 | 590 | 0 | 2.1 | 2 | 0 | 0 |
| Carbon Tetrachloride | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chlorobenzene | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chlorodifluoromethane | 0 | 0 | 0 | 510 | 0 | 2.9 | 12 | 0 | 0 |
| Chloroethane | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chloroform | 0 | 0 | 0 | 0 | 0 | 2.2 | 0 | 0 | 51 |
| Chloromethane | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| cis-1,2-Dichloroethene | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| cis-1,3-Dichloropropene | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cumene | 0 | 0 | 0 | 0 | 0 | 2.7 | 4 | 0 | 29 |
| Dibromochloromethane | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dibromomethane | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dichlorodifluoromethane | 0 | 0 | 0 | 0 | 0 | 2.7 | 3 | 0 | 0 |
| Dichlorofluoromethane | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ethylbenzene | 0 | 0 | 0 | 150 | 0 | 0 | 2.5 | 0 | 0 |
| Freon 113 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Freon 114 | 0 | 0 | 0 | 0 | 0 | 1.6 | 4.1 | 0 | 0 |
| Heptane | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hexachloroethane | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hexane | 0 | 0 | 12,000 | 8,000 | 0 | 0 | 35 | 600 | 0 |
| Isooctane | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| m/p-Xylene | 0 | 0 | 960 | 260 | 0 | 0 | 5.9 | 0 | 0 |
| Methyl t-Butyl Ether | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Methylene Chloride | 2,200 | 840 | 990 | 450 | 0 | 0 | 0.98 | 7.6 | 0 |
| Octane | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| o-Xylene | 0 | 0 | 0 | 120 | 0 | 0 | 3.6 | 0 | 0 |
| Pentane | 0 | 0 | 33,000 | 19,000 | 0 | 1.4 | 80 | 1,300 | 0 |
| Styrene | 0 | 0 | 0 | 560 | 0 | 0 | 0 | 0 | 0 |
| Tetrachloroethene | 1,700 | 0 | 0 | 0 | 0 | 0 | 7.8 | 18 | 0 |
| Toluene | 2,800 | 0 | 31,000 | 8,300 | 20 | 0 | 39 | 10 | 0 |
| trans-1,2-Dichloroethene | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| trans-1,3-Dichloropropene | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Trichloroethene | 2,200 | 0 | 0 | 0 | 0 | 0 | 1.8 | 0 | 0 |
| Trichlorofluoromethane | 0 | 0 | 0 | 0 | 31 | 29 | 67 | 97 | 0 |
| Vinyl Chloride | 0 | 0 | 0 | 0 | 0 | 0 | 0.94 | 0 | 0 |
| | | | | | | | | | |
| Total VOC, µg/m³ | 2,096,000 | 1,768,040 | 735,450 | 63,200 | 987 | 69 | 4,652 | 9,353 | 11,504 |
| **Total VOC, mg/m³** | **2,096** | **1,768** | **735** | **63** | **1** | **0** | **5** | **9** | **12** |

Notes:

1) See Attachment 1 for the analytical laboratory report

2) Concentrations reported as "ND" in the laboratory report were considered to be 0 for these calculations.

**Table 2: Example Calculation of VOC Mass Flow Rates for Measurements Collected June 7, 2012**

| Extraction Point | Soil Vapor Flow Rate | | Total VOC Concentration | VOC Mass Flow | | |
|---|---|---|---|---|---|---|
| | SCFM | $sm^3/d$ | $mg/m^3$ | mg/d | kg/d | lb/d |
| MP-2 | 14.5 | 592 | 49.9 | 29,518 | 0.030 | 0.06 |
| MP-3 | 9.1 | 369 | 8.3 | 3,058 | 0.003 | 0.01 |
| MP-4 | 12.5 | 509 | 0.2 | 78 | 0.000 | 0.00 |
| MP-5 | 15.5 | 630 | 0.2 | 150 | 0.000 | 0.00 |
| MP-6 | 8.4 | 343 | 2.3 | 793 | 0.001 | 0.00 |
| MP-7 | 8.4 | 341 | 7.7 | 2,621 | 0.003 | 0.01 |
| MP-8 | 6.9 | 282 | 3.9 | 1,111 | 0.001 | 0.00 |
| MP-9 | 16.9 | 687 | 1.0 | 690 | 0.001 | 0.00 |
| MP-10 | 9.8 | 401 | 6.3 | 2,544 | 0.003 | 0.01 |
| MP-11 | 7.9 | 324 | 12.2 | 3,936 | 0.004 | 0.01 |
| VW3 | 8.9 | 362 | 54.8 | 19,843 | 0.020 | 0.04 |
| VW5 | 7.7 | 314 | 398 | 125,204 | 0.125 | 0.28 |
| VW6 | 8.2 | 336 | 3.9 | 1,301 | 0.001 | 0.00 |
| MW64 | 8.2 | 332 | 2,096 | 696,854 | 0.697 | 1.53 |
| MW65s | 6.3 | 259 | 1,768 | 457,693 | 0.458 | 1.01 |
| SVE-1 | 7.7 | 313 | 735 | 230,204 | 0.230 | 0.51 |
| SVE-2 | 7.6 | 309 | 63.2 | 19,512 | 0.020 | 0.04 |
| SVE-3 | 7.8 | 319 | 1.0 | 314 | 0.000 | 0.00 |
| SVE-4 | 7.3 | 299 | 0.1 | 20 | 0.000 | 0.00 |
| SVE-5 | 8.2 | 335 | 4.7 | 1,557 | 0.002 | 0.00 |
| SVE-6 | 6.9 | 282 | 9.4 | 2,637 | 0.003 | 0.01 |
| SVE-7 | 8.7 | 353 | 11.5 | 4,061 | 0.004 | 0.01 |
| **Total** | **203.3** | **8,290** | **5,238** | **1,603,700** | **1.60** | **3.5** |
| Column Index | 1 | 2 | 3 | 4 | 5 | 6 |
| Reference | Attachment 1 | Column 1 X 40.78 | Table 1 | Column 2 X Column 3 | Column 4 / 1,000,000 | Column 5 X 2.2 |

THE JOHNSON CO., INC.
100 STATE ST #600
MONTPELIER , VT 05602
802-229-4600 Fax 802-229-5876

JOB 1-0145-4 SVE System
SHEET NO. 1 OF 2
CALCULATED BY PCS DATE 11/26/2012
CHECKED BY JB DATE 11/26/2012
SCALE None

**Goal:** Compare the mass removal of volatile organic compounds (VOC) and hazardous air pollutants (HAPs) by the interim soil vapor extraction system (the System) to regulatory thresholds.

**Background:** Regulatory thresholds are established in the Georgia Rules for Air Quality Control, Section 391-3-1.03(6)(h)(**i**). these thresholds indicate that air emissions permitting and treatment is required if emissions exceed any of the following thresholds:

- 20 tons per year of total volatile organic compound emissions.
- 5 tons per year of all hazardous air pollutants.
- 15 pounds per day of any single hazardous air pollutant.
- 2 tons per year for any single hazardous air pollutant.

Hazardous air pollutants are as defined in 40 CFR Part 63, Subpart C. The System exhausts extracted soil vapor to a point located above the building roofline. Therefore, the mass of VOC and HAPs removed by the System represent the System's emissions.

**Approach:** the estimate of emissions of VOC and HAPs from the System are calculated based on calculated mass flow rates for each extraction point. The previous calculation describes the methods used to calculate the mass of VOC removed by the System based on analytical laboratory data from samples collected on May 31, 2012 and field measurements taken on June 7, 2012. This same approach was used to calculate the HAPs emissions from the System.

The mass flowrate of HAPs from each extraction point is calculated using the soil vapor flow rate and total concentration of HAPs for each extraction point:

$$\dot{M}_X = C_{HAPs,x} * Q_x \quad (1)$$

This calculation requires converting the vapor flow rate from units of standard cubic feet per minute (SCFM) to standard cubic meters per day (SCMD). From Attachment 2, this conversion is:

$$Q\ SCMD = Q\ SCFM * 40.782 \quad (2)$$

The concentration of total HAPs for each extraction point using the May 31, 2012 analytical data is summarized in Table 1. Table 2 presents a spreadsheet calculation of the Total HAPs emissions from the System using the June 7, 2012 field data. As shown on Table 2, the total HAPs emissions from the System using the analytical laboratory data from May 31, 2012 and the field measurements performed on June 7, 2012 were calculated to be less than 0.1 pounds per day, which is less than the regulatory thresholds for total HAPs emissions (5 tons per year) and for emissions of a single HAP (15 pounds per day and 2 tons per year).

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100 STATE ST #600
MONTPELIER , VT 05602
802-229-4600 Fax 802-229-5876

JOB 1-0145-4 SVE System
SHEET NO. 2 OF 2
CALCULATED BY PCS DATE 11/26/2012
CHECKED BY SB DATE 11/26/2012
SCALE None

Similarly, the emissions of VOC from the System were previously calculated to be 3.5 pounds per day (0.64 tons per year), which is less than the regulatory threshold (20 tons per year).

The above calculations were performed for each field measurement event, resulting in a collection of calculated mass removal rates. The emissions of HAPs and VOC were calculated by multiplying these calculated emissions rates by the System operational time between the calculated flow rates:

$$M_{HAPs} = \dot{M}_{HAPs} * \Delta t \quad (3)$$

The resulting mass emissions were used to create the graphs shown on Figure E-9.

# TABLES

**Table 1: Calculation of Total Hazardous Air Pollutants for Samples Collected on May 31, 2012**

| Analyte | MP-2 µg/m³ | MP-3 µg/m³ | MP-4 µg/m³ | MP-5 µg/m³ | MP-6 µg/m³ | MP-7 µg/m³ | MP-8 µg/m³ | MP-9 µg/m³ | MP-10 µg/m³ | MP-11 µg/m³ | VW-3 µg/m³ | VW-5 µg/m³ | VW-6 µg/m³ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1,3-Butadiene | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1,4-Dichlorobenzene | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.9 | 0 | 0 | 0 | 0 |
| Benzene | 0 | 0 | 0 | 0 | 0 | 0 | 0.71 | 0 | 1 | 0 | 0 | 0 | 0 |
| Bromoform | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Carbon Disulfide | 940 | 0 | 1.8 | 2.4 | 0 | 0 | 0 | 7.5 | 3.6 | 20 | 820 | 0 | 0 |
| Carbon Tetrachloride | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chlorobenzene | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chloroform | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 260 | 10 | 0 | 0 | 0 | 0 |
| Cumene | 0 | 0 | 3.8 | 7.4 | 0 | 0 | 14 | 4.1 | 5.1 | 0 | 0 | 0 | 0 |
| Ethylbenzene | 130 | 0 | 0 | 0 | 0 | 0 | 0 | 0.92 | 3.8 | 0 | 110 | 0 | 0 |
| Hexachloroethane | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hexane | 410 | 150 | 0 | 0 | 73 | 41 | 1.4 | 0.87 | 1,700 | 0 | 1,400 | 770 | 0 |
| Methyl t-Butyl Ether | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Methylene Chloride | 910 | 0 | 0 | 0 | 0 | 15 | 6.2 | 0.71 | 1.6 | 0 | 440 | 920 | 8.1 |
| Styrene | 480 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.93 | 0 | 470 | 0 | 0 |
| Tetrachloroethene | 0 | 17 | 2.5 | 2.1 | 0 | 0 | 1.4 | 0 | 1.8 | 0 | 0 | 1,700 | 16 |
| Toluene | 490 | 110 | 1.1 | 1.6 | 86 | 490 | 7.6 | 2.8 | 2.5 | 0 | 280 | 1,000 | 0 |
| Trichloroethene | 0 | 0 | 0 | 0 | 0 | 0 | 2.5 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vinyl Chloride | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | | | | | | |
| Total HAPs, µg/m³ | 3,360 | 277 | 9 | 14 | 159 | 546 | 34 | 277 | 1,733 | 20 | 3,520 | 4,390 | 24 |
| **Total HAPs, mg/m³** | **3.4** | **0.28** | **0.0092** | **0.014** | **0.16** | **0.55** | **0.034** | **0.28** | **1.7** | **0.020** | **3.5** | **4.4** | **0.024** |

Notes:

1) Hazardous air pollutants (HAPs) are defined in 40 CFR Part 63, Subpart C.

2) Concentrations reported as "ND" in the laboratory report were considered to be zero for these calculations.

**Table 1: Calculation of Total Hazardous Air Pollutants for Samples Collected on May 31, 2012**

| Analyte | MW-64 $\mu g/m^3$ | MW-65S $\mu g/m^3$ | SVE-1 $\mu g/m^3$ | SVE-2 $\mu g/m^3$ | SVE-3 $\mu g/m^3$ | SVE-4 $\mu g/m^3$ | SVE-5 $\mu g/m^3$ | SVE-6 $\mu g/m^3$ | SVE-7 $\mu g/m^3$ |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1,3-Butadiene | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1,4-Dichlorobenzene | 0 | 0 | 0 | 0 | 0 | 1.3 | 1.9 | 0 | 0 |
| Benzene | 0 | 0 | 0 | 0 | 0 | 0 | 0.91 | 0 | 0 |
| Bromoform | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Carbon Disulfide | 0 | 0 | 0 | 590 | 0 | 2.1 | 2 | 0 | 0 |
| Carbon Tetrachloride | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chlorobenzene | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chloroform | 0 | 0 | 0 | 0 | 0 | 2.2 | 0 | 0 | 51 |
| Cumene | 0 | 0 | 0 | 0 | 0 | 2.7 | 4 | 0 | 29 |
| Ethylbenzene | 0 | 0 | 0 | 150 | 0 | 0 | 2.5 | 0 | 0 |
| Hexachloroethane | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hexane | 0 | 0 | 12,000 | 8,000 | 0 | 0 | 35 | 600 | 0 |
| Methyl t-Butyl Ether | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Methylene Chloride | 2,200 | 840 | 990 | 450 | 0 | 0 | 0.98 | 7.6 | 0 |
| Styrene | 0 | 0 | 0 | 560 | 0 | 0 | 0 | 0 | 0 |
| Tetrachloroethene | 1,700 | 0 | 0 | 0 | 0 | 0 | 7.8 | 18 | 0 |
| Toluene | 2,800 | 0 | 31,000 | 8,300 | 20 | 0 | 39 | 10 | 0 |
| Trichloroethene | 2,200 | 0 | 0 | 0 | 0 | 0 | 1.8 | 0 | 0 |
| Vinyl Chloride | 0 | 0 | 0 | 0 | 0 | 0 | 0.94 | 0 | 0 |
| | | | | | | | | | |
| Total HAPs, $\mu g/m^3$ | 8,900 | 840 | 43,990 | 18,050 | 20 | 8 | 97 | 636 | 80 |
| **Total HAPs, $mg/m^3$** | **8.9** | **0.84** | **44** | **18.1** | **0.020** | **0.0083** | **0.097** | **0.64** | **0.080** |

Notes:

1) Hazardous air pollutants (HAPs) are defined in 40 CFR Part 63, Subpart C.

2) Concentrations reported as "ND" in the laboratory report were considered to be zero for these calculations.

**Table 2: Example Calculation of HAPs Mass Flow Rates for Measurements Collected June 7, 2012**

| Extraction Point | Soil Vapor Flow Rate | | Total HAPs Concentration | VOC Mass Flow | | |
|---|---|---|---|---|---|---|
| | SCFM | $sm^3/d$ | $mg/m^3$ | mg/d | kg/d | lb/d |
| MP-2 | 14.5 | 592 | 3.4 | 1,988 | 0.002 | 0.0044 |
| MP-3 | 9.1 | 369 | 0.28 | 102 | 0.000 | 0.00023 |
| MP-4 | 12.5 | 509 | 0.0092 | 5 | 0.000 | 0.000010 |
| MP-5 | 15.5 | 630 | 0.014 | 9 | 0.000 | 0.000019 |
| MP-6 | 8.4 | 343 | 0.16 | 55 | 0.000 | 0.00012 |
| MP-7 | 8.4 | 341 | 0.55 | 186 | 0.000 | 0.00041 |
| MP-8 | 6.9 | 282 | 0.034 | 10 | 0.000 | 0.000021 |
| MP-9 | 16.9 | 687 | 0.28 | 190 | 0.000 | 0.00042 |
| MP-10 | 9.8 | 401 | 1.7 | 695 | 0.001 | 0.0015 |
| MP-11 | 7.9 | 324 | 0.020 | 6 | 0.000 | 0.000014 |
| VW3 | 8.9 | 362 | 3.5 | 1,275 | 0.001 | 0.0028 |
| VW5 | 7.7 | 314 | 4.4 | 1,380 | 0.001 | 0.0030 |
| VW6 | 8.2 | 336 | 0.024 | 8 | 0.000 | 0.000018 |
| MW64 | 8.2 | 332 | 8.9 | 2,959 | 0.003 | 0.0065 |
| MW65s | 6.3 | 259 | 0.84 | 217 | 0.000 | 0.00048 |
| SVE-1 | 7.7 | 313 | 44 | 13,769 | 0.014 | 0.030 |
| SVE-2 | 7.6 | 309 | 18.05 | 5,573 | 0.006 | 0.012 |
| SVE-3 | 7.8 | 319 | 0.020 | 6 | 0.000 | 0.000014 |
| SVE-4 | 7.3 | 299 | 0.0083 | 2 | 0.000 | 0.0000055 |
| SVE-5 | 8.2 | 335 | 0.10 | 32 | 0.000 | 0.000071 |
| SVE-6 | 6.9 | 282 | 0.64 | 179 | 0.000 | 0.00039 |
| SVE-7 | 8.7 | 353 | 0.080 | 28 | 0.000 | 0.000062 |
| **Total** | **203** | **8,290** | **87** | **28,676** | **0.03** | **0.063** |
| Column Index | 1 | 2 | 3 | 4 | 5 | 6 |
| Reference | Attachment 1 | Column 1 X 40.78 | Table 1 | Column 2 X Column 3 | Column 4 / 1,000,000 | Column 5 X 2.2 |

# APPENDIX F
# LABORATORY ANALYTICAL REPORTS:
# SOIL VAPOR (ON CD)

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

# Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

July 21, 2011

Project: Avery Dennison / Flowery Branch, GA

Submittal Date: 07/15/2011
Group Number: 1256497
PO Number: 1-0145-4
State of Sample Origin: GA

| Client Sample Description | Lancaster Labs (LLI) # |
|---|---|
| MP-5 Grab Air | 6345478 |
| MP-4 Grab Air | 6345479 |
| MP-3 Grab Air | 6345480 |
| MP-6 Grab Air | 6345481 |
| MP-7 Grab Air | 6345482 |
| MP-8 Grab Air | 6345483 |
| MP-11 Grab Air | 6345484 |
| MP-2 Grab Air | 6345485 |
| MP-10 Grab Air | 6345486 |
| MP-9 Grab Air | 6345487 |
| Diluted Grab Air | 6345488 |
| Undiluted Grab Air | 6345489 |

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO The Johnson Company, Inc. Attn: Todd Hall

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

# Analysis Report

Questions? Contact your Client Services Representative
Wendy A Kozma at (717) 656-2300 Ext. 1522

Respectfully Submitted,

Matthew E. Barton
Senior Specialist

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

# Analysis Report



**Sample Description:** MP-5 Grab Air
Canister #016
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6345478**
**LLI Group # 1256497**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/14/2011 12:15 by PS

Submitted: 07/15/2011 09:10
Reported: 07/21/2011 17:34

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 500 | | 5.0 | 1,200 | | 12 | 10 |
| 05298 | Benzene | 71-43-2 | 8.4 | J | 2.0 | 27 | J | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | 270 | | 5.0 | 790 | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 2.0 | N.D. | | 6.2 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | 9.7 | J | 2.0 | 48 | J | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 100 | | 2.0 | 400 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | 18 | J | 5.0 | 140 | J | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | 2.2 | J | 2.0 | 7.7 | J | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | 2.0 | J | 2.0 | 7.1 | J | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | 7.5 | J | 2.0 | 22 | J | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |

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# Analysis Report



**Sample Description: MP-5 Grab Air**
**Canister #016**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6345478**
**LLI Group # 1256497**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/14/2011 12:15 by PS

Submitted: 07/15/2011 09:10
Reported: 07/21/2011 17:34

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 7.2 | J | 2.0 | 27 | J | 7.5 | 10 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 16 | | 2.0 | 92 | | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 2.0 | N.D. | | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | 3.2 | J | 2.0 | 14 | J | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1119930AA | 07/19/2011 12:18 | Jeffrey B Smith | 10 |

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# Analysis Report



**Sample Description:** MP-4 Grab Air
Canister #021
Avery Dennison / Flowery Branch, GA

**LLI Sample #** AQ 6345479
**LLI Group #** 1256497
**Account #** 06556

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/14/2011 12:27 by PS

Submitted: 07/15/2011 09:10
Reported: 07/21/2011 17:34

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 130 | | 5.0 | 300 | | 12 | 10 |
| 05298 | Benzene | 71-43-2 | 14 | | 2.0 | 45 | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | 74 | | 5.0 | 220 | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 2.0 | N.D. | | 6.2 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 2.0 | J | 2.0 | 7.2 | J | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | 16 | | 2.0 | 79 | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 16 | | 2.0 | 66 | | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 1,500 | | 20 | 6,100 | | 79 | 100 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | 33 | | 5.0 | 250 | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | 2.1 | J | 2.0 | 7.4 | J | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 2.0 | N.D. | | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | 7.9 | J | 2.0 | 23 | J | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |

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# Analysis Report



**Sample Description: MP-4 Grab Air**
**Canister #021**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6345479**
**LLI Group # 1256497**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/14/2011 12:27 by PS

Submitted: 07/15/2011 09:10
Reported: 07/21/2011 17:34

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 4.3 | J | 2.0 | 16 | J | 7.5 | 10 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 10 | | 2.0 | 55 | | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 23 | | 2.0 | 130 | | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 3.6 | J | 2.0 | 18 | J | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | 9.2 | J | 2.0 | 24 | J | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | 3.7 | J | 2.0 | 16 | J | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | 2.6 | J | 2.0 | 11 | J | 8.7 | 10 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1119930AA | 07/19/2011 13:02 | Jeffrey B Smith | 10 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1119930AB | 07/19/2011 22:37 | Michael A Ziegler | 100 |

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# Analysis Report



**Sample Description:** MP-3 Grab Air
Canister #404
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6345480**
**LLI Group # 1256497**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/14/2011 12:46 by PS

Submitted: 07/15/2011 09:10
Reported: 07/21/2011 17:34

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 280 | | 50 | 650 | | 120 | 100 |
| 05298 | Benzene | 71-43-2 | N.D. | | 20 | N.D. | | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 50 | N.D. | | 110 | 100 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 50 | N.D. | | 150 | 100 |
| 05298 | Carbon Disulfide | 75-15-0 | 47 | J | 20 | 150 | J | 62 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 20 | N.D. | | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 20 | N.D. | | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 20 | N.D. | | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 20 | N.D. | | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 330 | | 20 | 1,300 | | 81 | 100 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 20 | N.D. | | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 35,000 | | 400 | 140,000 | | 1,600 | 2000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 20 | N.D. | | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | 82 | J | 50 | 630 | J | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | N.D. | | 20 | N.D. | | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | N.D. | | 20 | N.D. | | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 100 | | 20 | 360 | | 69 | 100 |
| 05298 | Octane | 111-65-9 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Pentane | 109-66-0 | 37 | J | 20 | 110 | J | 59 | 100 |
| 05298 | Styrene | 100-42-5 | N.D. | | 20 | N.D. | | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 20 | N.D. | | 140 | 100 |

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# Analysis Report



**Sample Description: MP-3 Grab Air**
**Canister #404**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6345480**
**LLI Group # 1256497**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/14/2011 12:46 by PS

Submitted: 07/15/2011 09:10
Reported: 07/21/2011 17:34

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 36 | J | 20 | 140 | J | 75 | 100 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 1,300 | | 20 | 7,000 | | 110 | 100 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | 25 | J | 20 | 65 | J | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 20 | N.D. | | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 20 | N.D. | | 87 | 100 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1119930AA | 07/19/2011 14:09 | Jeffrey B Smith | 100 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1119930AB | 07/19/2011 23:23 | Michael A Ziegler | 2000 |

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# Analysis Report



**Sample Description: MP-6 Grab Air**
**Canister #174**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6345481**
**LLI Group # 1256497**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/14/2011 12:58 by PS

Submitted: 07/15/2011 09:10
Reported: 07/21/2011 17:34

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 670 | | 50 | 1,600 | | 120 | 100 |
| 05298 | Benzene | 71-43-2 | N.D. | | 20 | N.D. | | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 50 | N.D. | | 110 | 100 |
| 05298 | 2-Butanone | 78-93-3 | 56 | J | 50 | 160 | J | 150 | 100 |
| 05298 | Carbon Disulfide | 75-15-0 | 92 | J | 20 | 290 | J | 62 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 20 | N.D. | | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 20 | N.D. | | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 20 | N.D. | | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 20 | N.D. | | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 860 | | 20 | 3,500 | | 81 | 100 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 20 | N.D. | | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 38,000 | | 400 | 150,000 | | 1,600 | 2000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 20 | N.D. | | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | N.D. | | 20 | N.D. | | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | 21 | J | 20 | 75 | J | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 190 | | 20 | 660 | | 69 | 100 |
| 05298 | Octane | 111-65-9 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Pentane | 109-66-0 | N.D. | | 20 | N.D. | | 59 | 100 |
| 05298 | Styrene | 100-42-5 | N.D. | | 20 | N.D. | | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 20 | N.D. | | 140 | 100 |

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# Analysis Report



**Sample Description: MP-6 Grab Air**
**Canister #174**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6345481**
**LLI Group # 1256497**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/14/2011 12:58 by PS

Submitted: 07/15/2011 09:10
Reported: 07/21/2011 17:34

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 110 | | 20 | 400 | | 75 | 100 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 2,200 | | 400 | 12,000 | | 2,200 | 2000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | 24 | J | 20 | 61 | J | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | 24 | J | 20 | 110 | J | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 20 | N.D. | | 87 | 100 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1119930AA | 07/19/2011 14:57 | Jeffrey B Smith | 100 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1119930AB | 07/20/2011 00:08 | Michael A Ziegler | 2000 |

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# Analysis Report



**Sample Description:** MP-7 Grab Air
Canister #145
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6345482**
**LLI Group # 1256497**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/14/2011 13:05 by PS

Submitted: 07/15/2011 09:10
Reported: 07/21/2011 17:34

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 510 | J | 500 | 1,200 | J | 1,200 | 1000 |
| 05298 | Benzene | 71-43-2 | N.D. | | 200 | N.D. | | 640 | 1000 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 200 | N.D. | | 2,100 | 1000 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 200 | N.D. | | 780 | 1000 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 500 | N.D. | | 1,100 | 1000 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 500 | N.D. | | 1,500 | 1000 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 200 | N.D. | | 620 | 1000 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 200 | N.D. | | 710 | 1000 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 200 | N.D. | | 530 | 1000 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 200 | N.D. | | 410 | 1000 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 200 | N.D. | | 630 | 1000 |
| 05298 | Cumene | 98-82-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 200 | N.D. | | 1,700 | 1000 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 200 | N.D. | | 1,500 | 1000 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 200 | N.D. | | 990 | 1000 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 910 | J | 200 | 3,700 | J | 810 | 1000 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 200 | N.D. | | 810 | 1000 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 41,000 | | 2,000 | 160,000 | | 7,900 | 10000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 200 | N.D. | | 840 | 1000 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 200 | N.D. | | 870 | 1000 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 500 | N.D. | | 3,800 | 1000 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Heptane | 142-82-5 | N.D. | | 200 | N.D. | | 820 | 1000 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 200 | N.D. | | 1,900 | 1000 |
| 05298 | Hexane | 110-54-3 | N.D. | | 200 | N.D. | | 700 | 1000 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 200 | N.D. | | 720 | 1000 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Methylene Chloride | 75-09-2 | 370 | J | 200 | 1,300 | J | 690 | 1000 |
| 05298 | Octane | 111-65-9 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Pentane | 109-66-0 | N.D. | | 200 | N.D. | | 590 | 1000 |
| 05298 | Styrene | 100-42-5 | N.D. | | 200 | N.D. | | 850 | 1000 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 200 | N.D. | | 1,400 | 1000 |

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# Analysis Report



**Sample Description: MP-7 Grab Air**
**Canister #145**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6345482**
**LLI Group # 1256497**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/14/2011 13:05 by PS

Submitted: 07/15/2011 09:10
Reported: 07/21/2011 17:34

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 420 | J | 200 | 1,600 | J | 750 | 1000 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 21,000 | | 2,000 | 110,000 | | 11,000 | 10000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 200 | N.D. | | 1,100 | 1000 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 200 | N.D. | | 1,100 | 1000 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 200 | N.D. | | 1,100 | 1000 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 200 | N.D. | | 510 | 1000 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 200 | N.D. | | 870 | 1000 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 200 | N.D. | | 870 | 1000 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1119930AA | 07/19/2011 15:41 | Jeffrey B Smith | 1000 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1119930AB | 07/20/2011 07:00 | Michael A Ziegler | 10000 |

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# Analysis Report



**Sample Description:** MP-8 Grab Air
Canister #805
Avery Dennison / Flowery Branch, GA

**LLI Sample #** AQ 6345483
**LLI Group #** 1256497
**Account #** 06556

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/14/2011 13:08 by PS

Submitted: 07/15/2011 09:10
Reported: 07/21/2011 17:34

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 170 | | 5.0 | 410 | | 12 | 10 |
| 05298 | Benzene | 71-43-2 | 5.3 | J | 2.0 | 17 | J | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | 110 | | 5.0 | 310 | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 2.0 | N.D. | | 6.2 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | 4.1 | J | 2.0 | 20 | J | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 13 | | 2.0 | 53 | | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 2,500 | | 40 | 9,800 | | 160 | 200 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | 2.3 | J | 2.0 | 8.0 | J | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | 4.1 | J | 2.0 | 14 | J | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | 7.1 | J | 2.0 | 21 | J | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |

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# Analysis Report



**Sample Description: MP-8 Grab Air**
**Canister #805**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6345483**
**LLI Group # 1256497**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/14/2011 13:08 by PS

Submitted: 07/15/2011 09:10
Reported: 07/21/2011 17:34

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 11 | | 2.0 | 41 | | 7.5 | 10 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 400 | | 40 | 2,200 | | 220 | 200 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 23 | | 2.0 | 130 | | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 2.0 | J | 2.0 | 10 | J | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 2.0 | N.D. | | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | 3.6 | J | 2.0 | 16 | J | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1119930AB | 07/20/2011 01:40 | Michael A Ziegler | 10 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1119930AB | 07/20/2011 07:44 | Michael A Ziegler | 200 |

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# Analysis Report



**Sample Description:** MP-11 Grab Air
Canister #850
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6345484**
**LLI Group # 1256497**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/14/2011 13:44 by PS

Submitted: 07/15/2011 09:10
Reported: 07/21/2011 17:34

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 10,000 | | 50 | 25,000 | | 120 | 100 |
| 05298 | Benzene | 71-43-2 | N.D. | | 20 | N.D. | | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 50 | N.D. | | 110 | 100 |
| 05298 | 2-Butanone | 78-93-3 | 3,300 | | 50 | 9,900 | | 150 | 100 |
| 05298 | Carbon Disulfide | 75-15-0 | 370 | | 20 | 1,200 | | 62 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 20 | N.D. | | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | 22 | J | 20 | 58 | J | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 20 | N.D. | | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 20 | N.D. | | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 1,600 | | 20 | 6,600 | | 81 | 100 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 20 | N.D. | | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 11,000 | | 400 | 44,000 | | 1,600 | 2000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | 32 | J | 20 | 140 | J | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | 49 | J | 20 | 200 | J | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | 110 | | 20 | 400 | | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 760 | | 20 | 2,600 | | 69 | 100 |
| 05298 | Octane | 111-65-9 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Pentane | 109-66-0 | 330 | | 20 | 960 | | 59 | 100 |
| 05298 | Styrene | 100-42-5 | 36 | J | 20 | 150 | J | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 20 | N.D. | | 140 | 100 |

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# Analysis Report



**Sample Description: MP-11 Grab Air**
**Canister #850**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6345484**
**LLI Group # 1256497**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/14/2011 13:44 by PS

Submitted: 07/15/2011 09:10
Reported: 07/21/2011 17:34

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 220 | | 20 | 820 | | 75 | 100 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 26,000 | | 400 | 140,000 | | 2,200 | 2000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 20 | J | 20 | 99 | J | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 20 | N.D. | | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | 72 | J | 20 | 310 | J | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | 25 | J | 20 | 110 | J | 87 | 100 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1119930AB | 07/20/2011 02:28 | Michael A Ziegler | 100 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1119930AB | 07/20/2011 08:28 | Michael A Ziegler | 2000 |

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# Analysis Report



**Sample Description: MP-2 Grab Air**
**Canister #803**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6345485**
**LLI Group # 1256497**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/14/2011 13:50 by PS

Submitted: 07/15/2011 09:10
Reported: 07/21/2011 17:34

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 18,000 | | 500 | 42,000 | | 1,200 | 1000 |
| 05298 | Benzene | 71-43-2 | N.D. | | 20 | N.D. | | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 50 | N.D. | | 110 | 100 |
| 05298 | 2-Butanone | 78-93-3 | 4,800 | | 500 | 14,000 | | 1,500 | 1000 |
| 05298 | Carbon Disulfide | 75-15-0 | 170 | | 20 | 540 | | 62 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 20 | N.D. | | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | 45 | J | 20 | 120 | J | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 20 | N.D. | | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 20 | N.D. | | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 1,400 | | 200 | 5,800 | | 810 | 1000 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 20 | N.D. | | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 12,000 | | 200 | 48,000 | | 790 | 1000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | 35 | J | 20 | 150 | J | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | 38 | J | 20 | 150 | J | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | 78 | J | 20 | 280 | J | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 740 | | 20 | 2,600 | | 69 | 100 |
| 05298 | Octane | 111-65-9 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Pentane | 109-66-0 | 300 | | 20 | 870 | | 59 | 100 |
| 05298 | Styrene | 100-42-5 | 70 | J | 20 | 300 | J | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | 27 | J | 20 | 180 | J | 140 | 100 |

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# Analysis Report



**Sample Description: MP-2 Grab Air**
**Canister #803**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6345485**
**LLI Group # 1256497**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/14/2011 13:50 by PS

Submitted: 07/15/2011 09:10
Reported: 07/21/2011 17:34

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 150 | | 20 | 580 | | 75 | 100 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 31,000 | | 400 | 170,000 | | 2,200 | 2000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 20 | N.D. | | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | 54 | J | 20 | 240 | J | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | 21 | J | 20 | 92 | J | 87 | 100 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1119930AB | 07/20/2011 03:15 | Michael A Ziegler | 100 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1119930AB | 07/20/2011 09:12 | Michael A Ziegler | 2000 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1119930AB | 07/20/2011 11:25 | Jeffrey B Smith | 1000 |

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# Analysis Report



**Sample Description:** MP-10 Grab Air
Canister #831
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6345486**
**LLI Group # 1256497**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/14/2011 13:54 by PS

Submitted: 07/15/2011 09:10
Reported: 07/21/2011 17:34

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 9,700 | | 500 | 23,000 | | 1,200 | 1000 |
| 05298 | Benzene | 71-43-2 | N.D. | | 200 | N.D. | | 640 | 1000 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 200 | N.D. | | 2,100 | 1000 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 200 | N.D. | | 780 | 1000 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 500 | N.D. | | 1,100 | 1000 |
| 05298 | 2-Butanone | 78-93-3 | 2,900 | | 500 | 8,600 | | 1,500 | 1000 |
| 05298 | Carbon Disulfide | 75-15-0 | 210 | J | 200 | 640 | J | 620 | 1000 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 200 | N.D. | | 710 | 1000 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 200 | N.D. | | 530 | 1000 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 200 | N.D. | | 410 | 1000 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 200 | N.D. | | 630 | 1000 |
| 05298 | Cumene | 98-82-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 200 | N.D. | | 1,700 | 1000 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 200 | N.D. | | 1,500 | 1000 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 200 | N.D. | | 990 | 1000 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 3,200 | | 200 | 13,000 | | 810 | 1000 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 200 | N.D. | | 810 | 1000 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 18,000 | | 200 | 73,000 | | 790 | 1000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 200 | N.D. | | 840 | 1000 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 200 | N.D. | | 870 | 1000 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 500 | N.D. | | 3,800 | 1000 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Heptane | 142-82-5 | N.D. | | 200 | N.D. | | 820 | 1000 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 200 | N.D. | | 1,900 | 1000 |
| 05298 | Hexane | 110-54-3 | N.D. | | 200 | N.D. | | 700 | 1000 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 200 | N.D. | | 720 | 1000 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Methylene Chloride | 75-09-2 | 620 | J | 200 | 2,200 | J | 690 | 1000 |
| 05298 | Octane | 111-65-9 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Pentane | 109-66-0 | 250 | J | 200 | 730 | J | 590 | 1000 |
| 05298 | Styrene | 100-42-5 | N.D. | | 200 | N.D. | | 850 | 1000 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 200 | N.D. | | 1,400 | 1000 |

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# Analysis Report



**Sample Description: MP-10 Grab Air**
**Canister #831**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6345486**
**LLI Group # 1256497**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/14/2011 13:54 by PS

Submitted: 07/15/2011 09:10
Reported: 07/21/2011 17:34

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | Toluene | 108-88-3 | N.D. | 200 | N.D. | 750 | 1000 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 120,000 | 2,000 | 670,000 | 11,000 | 10000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 200 | N.D. | 1,200 | 1000 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 200 | N.D. | 980 | 1000 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 200 | N.D. | 980 | 1000 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 200 | N.D. | 510 | 1000 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 200 | N.D. | 870 | 1000 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 200 | N.D. | 870 | 1000 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1119930AB | 07/20/2011 04:00 | Michael A Ziegler | 1000 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1119930AB | 07/20/2011 12:56 | Jeffrey B Smith | 10000 |

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# Analysis Report



**Sample Description:** MP-9 Grab Air
Canister #507
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6345487**
**LLI Group # 1256497**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/14/2011 14:00 by PS

Submitted: 07/15/2011 09:10
Reported: 07/21/2011 17:34

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 1,900 | | 50 | 4,600 | | 120 | 100 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | 640 | | 5.0 | 1,900 | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 2.0 | N.D. | | 6.2 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | 2.2 | J | 2.0 | 11 | J | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 16 | | 2.0 | 64 | | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 110 | | 2.0 | 420 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 2.0 | N.D. | | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |

**Sample Description: MP-9 Grab Air**
**Canister #507**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6345487**
**LLI Group # 1256497**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/14/2011 14:00 by PS

Submitted: 07/15/2011 09:10
Reported: 07/21/2011 17:34

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | Toluene | 108-88-3 | N.D. | 2.0 | N.D. | 7.5 | 10 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 530 | 20 | 2,900 | 110 | 100 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 2.0 | N.D. | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 2.0 | N.D. | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 2.0 | N.D. | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 2.0 | N.D. | 8.7 | 10 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1119930AB | 07/20/2011 04:44 | Michael A Ziegler | 10 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1119930AB | 07/20/2011 13:44 | Jeffrey B Smith | 100 |

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# Analysis Report



**Sample Description:** Diluted Grab Air
Canister #526
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6345488**
**LLI Group # 1256497**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/14/2011 14:11 by PS

Submitted: 07/15/2011 09:10
Reported: 07/21/2011 17:34

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 77 | | 5.0 | 180 | | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | 37 | | 5.0 | 110 | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 2.0 | N.D. | | 6.2 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 72 | | 2.0 | 290 | | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 3,200 | | 200 | 13,000 | | 790 | 1000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | 3.1 | J | 2.0 | 11 | J | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |

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# Analysis Report



**Sample Description: Diluted Grab Air**
**Canister #526**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6345488**
**LLI Group # 1256497**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/14/2011 14:11 by PS

Submitted: 07/15/2011 09:10
Reported: 07/21/2011 17:34

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 14 | | 2.0 | 53 | | 7.5 | 10 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 860 | J | 200 | 4,700 | J | 1,100 | 1000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 2.4 | J | 2.0 | 13 | J | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | 2.3 | J | 2.0 | 5.9 | J | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1119930AB | 07/20/2011 05:28 | Michael A Ziegler | 10 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1119930AB | 07/20/2011 14:28 | Jeffrey B Smith | 1000 |

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# Analysis Report



**Sample Description:** Undiluted Grab Air
Canister #402
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6345489**
**LLI Group # 1256497**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/14/2011 14:07 by PS

Submitted: 07/15/2011 09:10
Reported: 07/21/2011 17:34

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 2,700 | | 50 | 6,500 | | 120 | 100 |
| 05298 | Benzene | 71-43-2 | N.D. | | 20 | N.D. | | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 50 | N.D. | | 110 | 100 |
| 05298 | 2-Butanone | 78-93-3 | 320 | | 50 | 950 | | 150 | 100 |
| 05298 | Carbon Disulfide | 75-15-0 | 180 | | 20 | 550 | | 62 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 20 | N.D. | | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 20 | N.D. | | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 20 | N.D. | | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 20 | N.D. | | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 570 | | 20 | 2,300 | | 81 | 100 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 20 | N.D. | | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 28,000 | | 400 | 110,000 | | 1,600 | 2000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | 40 | J | 20 | 180 | J | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | 25 | J | 20 | 100 | J | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | 81 | J | 20 | 290 | J | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 1,200 | | 20 | 4,300 | | 69 | 100 |
| 05298 | Octane | 111-65-9 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Pentane | 109-66-0 | 150 | | 20 | 430 | | 59 | 100 |
| 05298 | Styrene | 100-42-5 | 72 | J | 20 | 310 | J | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 20 | N.D. | | 140 | 100 |

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# Analysis Report



**Sample Description:** Undiluted Grab Air
Canister #402
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6345489**
**LLI Group # 1256497**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/14/2011 14:07 by PS

Submitted: 07/15/2011 09:10
Reported: 07/21/2011 17:34

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 270 | | 20 | 1,000 | | 75 | 100 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 6,300 | | 400 | 34,000 | | 2,200 | 2000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 31 | J | 20 | 170 | J | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 20 | N.D. | | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | 63 | J | 20 | 270 | J | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | 22 | J | 20 | 98 | J | 87 | 100 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1119930AB | 07/20/2011 06:16 | Michael A Ziegler | 100 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1119930AB | 07/20/2011 12:09 | Jeffrey B Smith | 2000 |

## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1256497
Reported: 07/21/11 at 05:34 PM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

## Laboratory Compliance Quality Control

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: D1119930AA | Sample number(s): 6345478-6345482 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 140 | 143 | 56-144 | 2 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 101 | 94 | 70-130 | 7 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 120 | 113 | 73-132 | 6 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 113 | 109 | 65-135 | 3 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 121 | 116 | 70-130 | 4 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 106 | 102 | 65-138 | 4 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 106 | 111 | 63-135 | 4 | 25 |
| Carbon Disulfide | N.D. | 0.20 | ppb(v) | 98 | 96 | 59-112 | 2 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 104 | 101 | 70-130 | 2 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 89 | 86 | 70-130 | 3 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 101 | 96 | 71-137 | 4 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 99 | 97 | 70-130 | 2 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 112 | 116 | 59-135 | 3 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 99 | 97 | 70-128 | 3 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 95 | 93 | 71-129 | 2 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 116 | 114 | 42-149 | 2 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 112 | 109 | 47-141 | 3 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 117 | 114 | 43-143 | 3 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 131 | 129 | 75-141 | 2 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 95 | 95 | 65-127 | 1 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 116 | 109 | 70-130 | 6 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 99 | 95 | 62-118 | 4 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 96 | 94 | 63-125 | 2 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 100 | 98 | 63-119 | 3 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 98 | 92 | 70-130 | 6 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 107 | 102 | 66-127 | 5 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 95 | 92 | 64-126 | 3 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 94 | 90 | 70-130 | 4 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 97 | 96 | 56-138 | 2 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 92 | 89 | 66-120 | 3 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 115 | 113 | 64-141 | 2 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 109 | 102 | 62-124 | 7 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 88 | 89 | 59-123 | 1 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 101 | 104 | 44-184 | 3 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 104 | 104 | 62-125 | 0 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 126 | 127 | 62-151 | 0 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 96 | 92 | 70-130 | 3 | 25 |
| Octane | N.D. | 0.20 | ppb(v) | | | | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1256497
Reported: 07/21/11 at 05:34 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 92 | 90 | 65-136 | 2 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 118 | 122 | 49-148 | 3 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 85 | 82 | 70-130 | 3 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 83 | 80 | 70-130 | 3 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 99 | 97 | 70-130 | 2 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 96 | 92 | 64-129 | 4 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 103 | 94 | 70-130 | 9 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 130 | 126 | 70-130 | 4 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 103 | 103 | 52-142 | 0 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 102 | 100 | 59-144 | 2 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 118 | 117 | 70-130 | 1 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 91 | 88 | 70-130 | 3 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 94 | 91 | 70-130 | 3 | 25 |
| Batch number: D1119930AB | Sample number(s): 6345479-6345489 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 140 | 143 | 56-144 | 2 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 101 | 94 | 70-130 | 7 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 120 | 113 | 73-132 | 6 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 113 | 109 | 65-135 | 3 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 121 | 116 | 70-130 | 4 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 106 | 102 | 65-138 | 4 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 106 | 111 | 63-135 | 4 | 25 |
| Carbon Disulfide | N.D. | 0.20 | ppb(v) | 98 | 96 | 59-112 | 2 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 104 | 101 | 70-130 | 2 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 89 | 86 | 70-130 | 3 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 101 | 96 | 71-137 | 4 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 99 | 97 | 70-130 | 2 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 112 | 116 | 59-135 | 3 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 99 | 97 | 70-128 | 3 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 95 | 93 | 71-129 | 2 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 116 | 114 | 42-149 | 2 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 112 | 109 | 47-141 | 3 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 117 | 114 | 43-143 | 3 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 131 | 129 | 75-141 | 2 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 95 | 95 | 65-127 | 1 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 116 | 109 | 70-130 | 6 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 99 | 95 | 62-118 | 4 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 96 | 94 | 63-125 | 2 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 100 | 98 | 63-119 | 3 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 98 | 92 | 70-130 | 6 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 107 | 102 | 66-127 | 5 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 95 | 92 | 64-126 | 3 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 94 | 90 | 70-130 | 4 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 97 | 96 | 56-138 | 2 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 92 | 89 | 66-120 | 3 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 115 | 113 | 64-141 | 2 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 109 | 102 | 62-124 | 7 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 88 | 89 | 59-123 | 1 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1256497
Reported: 07/21/11 at 05:34 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 101 | 104 | 44-184 | 3 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 104 | 104 | 62-125 | 0 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 126 | 127 | 62-151 | 0 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 96 | 92 | 70-130 | 3 | 25 |
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 92 | 90 | 65-136 | 2 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 118 | 122 | 49-148 | 3 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 85 | 82 | 70-130 | 3 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 83 | 80 | 70-130 | 3 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 99 | 97 | 70-130 | 2 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 96 | 92 | 64-129 | 4 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 103 | 94 | 70-130 | 9 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 130 | 126 | 70-130 | 4 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 103 | 103 | 52-142 | 0 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 102 | 100 | 59-144 | 2 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 118 | 117 | 70-130 | 1 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 91 | 88 | 70-130 | 3 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 94 | 91 | 70-130 | 3 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 6556 Group# 1256497 Sample # 6345478-89

**COC # 240644**

Please print. Instructions on reverse side correspond with circled numbers.

(1) Client: The Johnson Company Acct. #:

Project Name/#: Flowery Branch SVE PWSID #:

Project Manager: Todd Hall P.O.#: 1-0145-4

Sampler: Pat Smart / Joel Behrsing / ~~Calvin Pruitt~~ Quote #:

Name of state where samples were collected: Georgia

For Lab Use Only
FSC:
SCR#:

**Preservation Codes**
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

(6) Temperature of samples upon receipt (if requested)

| (2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | (4) Matrix: Soil | Water (Potable / NPDES) | Other - Air | Total # of Containers | (5) Analyses Requested: VOC long list via 8260B | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| MP-5 | 7/14/11 | 12:15 | X | | | | X | 1 | X | Canister # 016 |
| MP-4 | 7/14/11 | 12:27 | X | | | | X | 1 | X | Canister 021 |
| MP-3 | 7/14/11 | 12:46 | X | | | | X | 1 | X | Canister 404 |
| MP-6 | 7/14/11 | 12:58 | X | | | | X | 1 | X | Canister 174 |
| ~~MP-6~~ PLS 7/14/11 MP-7 | 7/14/11 | 13:05 | X | | | | X | 1 | X | Canister 145 |
| MP-8 | 7/14/11 | 13:08 | X | | | | X | 1 | X | Canister 805 |
| MP-11 | 7/14/11 | 13:44 | X | | | | X | 1 | X | Canister 850 |
| MP-2 | 7/14/11 | 1350 | X | | | | X | 1 | X | Canister 803 |
| MP-10 | 7/14/11 | 13:54 | X | | | | X | 1 | X | Canister 831 |
| MP-9 | 7/14/11 | 14:00 | X | | | | X | 1 | X | Canister 507 |

(7) **Turnaround Time Requested** (TAT) (please circle): (Normal) Rush
(Rush TAT is subject to Lancaster Laboratories approval and ~~surcharge~~.)
Date results are needed:
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 802 229 4600 Fax #:
E-mail address: TAHJCO mail.com

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg)
Type II (Tier II)
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)
TX TRRP-13
MA MCP CT RCP
Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No

SDG Complete? Yes No

| Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|
| Pat Smart | 7/14/11 | 1700 | fedex | | |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | 7/15/11 | 910 |

(9)

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300 Fax: (717) 656-6766
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

Issued by Dept. 6042 Management
2102.05

# Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 16556 Group# 1256497 Sample # 6345478-89

**COC # 240642**

Please print. Instructions on reverse side correspond with circled numbers.

(1)

Client: The Johnson Company Acct. #:

Project Name/#: Flowery Branch SVE PWSID #:

Project Manager: P.O.#: 1-0145-4

Sampler: Pat Smart/Joel Bolesing/Calvin Pruitt Quote #:

Name of state where samples were collected: Georgia

| (2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | Matrix (4): Soil | Water | Other Air | Potable / NPDES (Check if Applicable) | Total # of Containers | (5) Analyses Requested / Preservation Codes: Long List Voc via 8260B | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| diluted | 7/14/11 | 1411 | X | | | | X | | 1 | X | Canister #526 |
| undiluted | 7/14/11 | 1407 | X | | | | X | | 1 | X | Canister #402 |

For Lab Use Only

FSC:

SCR#:

**Preservation Codes**

H=HCl T=Thiosulfate

N=$HNO_3$ B=NaOH

S=$H_2SO_4$ O=Other

(6) Temperature of samples upon receipt (if requested)

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush

(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)

Date results are needed:

Rush results requested by (please circle): Phone Fax E-mail

Phone #: 802 229 4600 Fax #:

E-mail address: TAH@Jomail.com

(8) **Data Package Options** (please circle if required)

Type I (validation/NJ Reg)

Type II (Tier II)

Type III (Reduced NJ)

Type IV (CLP SOW)

Type VI (Raw Data Only)

TX TRRP-13

MA MCP CT RCP

SDG Complete? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No

(If yes, indicate QC sample and submit triplicate volume.)

Internal COC Required? Yes / No

(9)

| Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|
| Pat Smart | 7/14/11 | 1900 | Fedex | | |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | 7/15/11 | 910 |

Lancaster Laboratories

# Environmental Sample Administration
# Receipt Documentation Log

**Client/Project:** The Johnson Co.

**Date of Receipt:** 7/15/11

**Time of Receipt:** 910

**Source Code:** So-1

**Shipping Container Sealed:** (YES) NO

**Custody Seal Present * :** YES (NO)

* Custody seal was intact unless otherwise noted in the discrepancy section

**Package:** Chilled (Not Chilled)

| Temperature of Shipping Containers | | | | | | | |
|---|---|---|---|---|---|---|---|
| Cooler # | Thermometer ID | Temperature (°C) | Temp Bottle (TB) or Surface Temp (ST) | Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP) | Ice Present? Y/N | Loose (L) Bagged Ice (B) or NA | Comments |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |

**Number of Trip Blanks received NOT listed on chain of custody:** 0

**Paperwork Discrepancy/Unpacking Problems:**

- Received 13 swagelok tubing pcs. + 1 gauge.

**Unpacker Signature/Emp#:** 236 **Date/Time:** 7/15/11 1140

Issued by Dept. 6042 Management

2174.06

# Explanation of Symbols and Abbreviations

*The following defines common symbols and abbreviations used in reporting technical data:*

| | | | |
|---|---|---|---|
| **RL** | Reporting Limit | **BMQL** | Below Minimum Quantitation Level |
| **N.D.** | none detected | **MPN** | Most Probable Number |
| **TNTC** | Too Numerous To Count | **CP Units** | cobalt-chloroplatinate units |
| **IU** | International Units | **NTU** | nephelometric turbidity units |
| **umhos/cm** | micromhos/cm | **ng** | nanogram(s) |
| **C** | degrees Celsius | **F** | degrees Fahrenheit |
| **meq** | milliequivalents | **lb.** | pound(s) |
| **g** | gram(s) | **kg** | kilogram(s) |
| **ug** | microgram(s) | **mg** | milligram(s) |
| **ml** | milliliter(s) | **l** | liter(s) |
| **m3** | cubic meter(s) | **ul** | microliter(s) |

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**J** estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

*U.S. EPA CLP Data Qualifiers:*

**Organic Qualifiers**

| | |
|---|---|
| **A** | TIC is a possible aldol-condensation product |
| **B** | Analyte was also detected in the blank |
| **C** | Pesticide result confirmed by GC/MS |
| **D** | Compound quantitated on a diluted sample |
| **E** | Concentration exceeds the calibration range of the instrument |
| **N** | Presumptive evidence of a compound (TICs only) |
| **P** | Concentration difference between primary and confirmation columns >25% |
| **U** | Compound was not detected |
| **X,Y,Z** | Defined in case narrative |

**Inorganic Qualifiers**

| | |
|---|---|
| **B** | Value is <CRDL, but ≥IDL |
| **E** | Estimated due to interference |
| **M** | Duplicate injection precision not met |
| **N** | Spike sample not within control limits |
| **S** | Method of standard additions (MSA) used for calculation |
| **U** | Compound was not detected |
| **W** | Post digestion spike out of control limits |
| ***** | Duplicate analysis not within control limits |
| **+** | Correlation coefficient for MSA <0.995 |

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

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# Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

August 24, 2011

Project: Avery Dennison / Flowery Branch, GA

Submittal Date: 08/17/2011
Group Number: 1262228
PO Number: 1-0145-4
State of Sample Origin: GA

| Client Sample Description | Lancaster Labs (LLI) # |
|---|---|
| MP 9 Summa Can #138 Grab Air | 6379259 |
| MP 10 Summa Can #129 Grab Air | 6379260 |
| MP 11 Summa Can #897 Grab Air | 6379261 |
| MP 2 Summa Can #863 Grab Air | 6379262 |
| MP 3 Summa Can #510 Grab Air | 6379263 |
| MP 8 Summa Can #852 Grab Air | 6379264 |
| MP 7 Summa Can #074 Grab Air | 6379265 |
| MP 6 Summa Can #140 Grab Air | 6379266 |
| MP 5 Summa Can #163 Grab Air | 6379267 |
| MP 4 Summa Can #827 Grab Air | 6379268 |
| Undiluted Summa Can #1089 Grab Air | 6379269 |
| Blower Exhaust SC #189 Composite Air | 6379270 |

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO The Johnson Company, Inc. Attn: Todd Hall

Lancaster Laboratories

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# Analysis Report

Questions? Contact your Client Services Representative
Wendy A Kozma at (717) 656-2300 Ext. 1522

Respectfully Submitted,



Chad A. Moline
Group Leader

Lancaster Laboratories

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# Analysis Report



**Sample Description: MP 9 Summa Can #138 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6379259**
**LLI Group # 1262228**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 08/15/2011 12:47 by NW

Submitted: 08/17/2011 09:25
Reported: 08/24/2011 18:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 140 | | 1.0 | 330 | | 2.4 | 2 |
| 05298 | Benzene | 71-43-2 | N.D. | | 0.40 | N.D. | | 1.3 | 2 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.40 | N.D. | | 2.6 | 2 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.40 | N.D. | | 2.7 | 2 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.40 | N.D. | | 4.1 | 2 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.40 | N.D. | | 1.6 | 2 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 1.0 | N.D. | | 2.2 | 2 |
| 05298 | 2-Butanone | 78-93-3 | 88 | | 1.0 | 260 | | 2.9 | 2 |
| 05298 | Carbon Disulfide | 75-15-0 | 0.60 | J | 0.40 | 1.9 | J | 1.2 | 2 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.40 | N.D. | | 2.5 | 2 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.40 | N.D. | | 1.8 | 2 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 0.40 | N.D. | | 1.4 | 2 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.40 | N.D. | | 1.1 | 2 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.40 | N.D. | | 2.0 | 2 |
| 05298 | Chloromethane | 74-87-3 | 0.66 | J | 0.40 | 1.4 | J | 0.83 | 2 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.40 | N.D. | | 1.3 | 2 |
| 05298 | Cumene | 98-82-8 | 2.0 | | 0.40 | 9.8 | | 2.0 | 2 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.40 | N.D. | | 3.4 | 2 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.40 | N.D. | | 3.1 | 2 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.40 | N.D. | | 2.8 | 2 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.40 | N.D. | | 2.4 | 2 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.40 | N.D. | | 2.4 | 2 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.40 | N.D. | | 2.4 | 2 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.54 | J | 0.40 | 2.7 | J | 2.0 | 2 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | N.D. | | 0.40 | N.D. | | 1.6 | 2 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.40 | N.D. | | 1.6 | 2 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 0.57 | J | 0.40 | 2.3 | J | 1.6 | 2 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.40 | N.D. | | 1.6 | 2 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.40 | N.D. | | 1.6 | 2 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.40 | N.D. | | 1.7 | 2 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.40 | N.D. | | 1.8 | 2 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.40 | N.D. | | 1.8 | 2 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.40 | N.D. | | 1.8 | 2 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 0.40 | N.D. | | 1.7 | 2 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.40 | N.D. | | 2.0 | 2 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 1.0 | N.D. | | 7.7 | 2 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.40 | N.D. | | 2.8 | 2 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.40 | N.D. | | 1.6 | 2 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.40 | N.D. | | 3.9 | 2 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.40 | N.D. | | 1.4 | 2 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 1.0 | N.D. | | 4.1 | 2 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.40 | N.D. | | 1.9 | 2 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.40 | N.D. | | 1.4 | 2 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | 3.1 | J | 1.0 | 13 | J | 4.1 | 2 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 0.40 | N.D. | | 1.4 | 2 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.40 | N.D. | | 1.9 | 2 |
| 05298 | Pentane | 109-66-0 | N.D. | | 0.40 | N.D. | | 1.2 | 2 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.40 | N.D. | | 1.7 | 2 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.40 | N.D. | | 2.7 | 2 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.40 | N.D. | | 2.7 | 2 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 0.40 | N.D. | | 2.7 | 2 |
| 05298 | Toluene | 108-88-3 | N.D. | | 0.40 | N.D. | | 1.5 | 2 |

Lancaster Laboratories

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# Analysis Report



**Sample Description: MP 9 Summa Can #138 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6379259**
**LLI Group # 1262228**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 08/15/2011 12:47 by NW

Submitted: 08/17/2011 09:25
Reported: 08/24/2011 18:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | | 0.40 | N.D. | | 2.2 | 2 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.40 | N.D. | | 2.2 | 2 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.40 | N.D. | | 2.1 | 2 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 0.41 | J | 0.40 | 2.3 | J | 2.2 | 2 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.40 | N.D. | | 2.4 | 2 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 0.40 | N.D. | | 2.0 | 2 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.40 | N.D. | | 2.0 | 2 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.40 | N.D. | | 1.0 | 2 |
| 05298 | m/p-Xylene | 179601-23-1 | 0.75 | J | 0.40 | 3.3 | J | 1.7 | 2 |
| 05298 | o-Xylene | 95-47-6 | 0.45 | J | 0.40 | 1.9 | J | 1.7 | 2 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1123430AB | 08/23/2011 12:31 | Michael A Ziegler | 2 |

Lancaster Laboratories

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# Analysis Report



**Sample Description: MP 10 Summa Can #129 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6379260**
**LLI Group # 1262228**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 08/15/2011 12:52 by NW

Submitted: 08/17/2011 09:25
Reported: 08/24/2011 18:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 160 | | 10 | 380 | | 24 | 20 |
| 05298 | Benzene | 71-43-2 | N.D. | | 4.0 | N.D. | | 13 | 20 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 4.0 | N.D. | | 26 | 20 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 4.0 | N.D. | | 41 | 20 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 10 | N.D. | | 22 | 20 |
| 05298 | 2-Butanone | 78-93-3 | 110 | | 10 | 310 | | 29 | 20 |
| 05298 | Carbon Disulfide | 75-15-0 | 22 | | 4.0 | 69 | | 12 | 20 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 4.0 | N.D. | | 25 | 20 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 4.0 | N.D. | | 11 | 20 |
| 05298 | Chloroform | 67-66-3 | 5.1 | J | 4.0 | 25 | J | 20 | 20 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 4.0 | N.D. | | 8.3 | 20 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 4.0 | N.D. | | 13 | 20 |
| 05298 | Cumene | 98-82-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 4.0 | N.D. | | 34 | 20 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 4.0 | N.D. | | 31 | 20 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 4.0 | N.D. | | 28 | 20 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 200 | | 4.0 | 820 | | 16 | 20 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 990 | | 4.0 | 3,900 | | 16 | 20 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 10 | N.D. | | 77 | 20 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 4.0 | N.D. | | 28 | 20 |
| 05298 | Heptane | 142-82-5 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 4.0 | N.D. | | 39 | 20 |
| 05298 | Hexane | 110-54-3 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 10 | N.D. | | 41 | 20 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 4.0 | N.D. | | 19 | 20 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 10 | N.D. | | 41 | 20 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | Octane | 111-65-9 | N.D. | | 4.0 | N.D. | | 19 | 20 |
| 05298 | Pentane | 109-66-0 | 5.7 | J | 4.0 | 17 | J | 12 | 20 |
| 05298 | Styrene | 100-42-5 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Toluene | 108-88-3 | N.D. | | 4.0 | N.D. | | 15 | 20 |

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# Analysis Report



**Sample Description: MP 10 Summa Can #129 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6379260**
**LLI Group # 1262228**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 08/15/2011 12:52 by NW

Submitted: 08/17/2011 09:25
Reported: 08/24/2011 18:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 1,500 | | 4.0 | 8,200 | | 22 | 20 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | 4.2 | J | 4.0 | 23 | J | 22 | 20 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 4.0 | N.D. | | 21 | 20 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 4.0 | N.D. | | 22 | 20 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 4.0 | N.D. | | 10 | 20 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 4.0 | N.D. | | 17 | 20 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1123430AB | 08/23/2011 13:15 | Michael A Ziegler | 20 |

Lancaster Laboratories

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# Analysis Report



**Sample Description: MP 11 Summa Can #897 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6379261**
**LLI Group # 1262228**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 08/15/2011 12:56 by NW

Submitted: 08/17/2011 09:25
Reported: 08/24/2011 18:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 220 | | 10 | 530 | | 24 | 20 |
| 05298 | Benzene | 71-43-2 | N.D. | | 4.0 | N.D. | | 13 | 20 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 4.0 | N.D. | | 26 | 20 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 4.0 | N.D. | | 41 | 20 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 10 | N.D. | | 22 | 20 |
| 05298 | 2-Butanone | 78-93-3 | 140 | | 10 | 410 | | 29 | 20 |
| 05298 | Carbon Disulfide | 75-15-0 | 12 | J | 4.0 | 38 | J | 12 | 20 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 4.0 | N.D. | | 25 | 20 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 4.0 | N.D. | | 11 | 20 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 4.0 | N.D. | | 8.3 | 20 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 4.0 | N.D. | | 13 | 20 |
| 05298 | Cumene | 98-82-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 4.0 | N.D. | | 34 | 20 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 4.0 | N.D. | | 31 | 20 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 4.0 | N.D. | | 28 | 20 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 130 | | 4.0 | 540 | | 16 | 20 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 1,400 | | 4.0 | 5,600 | | 16 | 20 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 10 | N.D. | | 77 | 20 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 4.0 | N.D. | | 28 | 20 |
| 05298 | Heptane | 142-82-5 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 4.0 | N.D. | | 39 | 20 |
| 05298 | Hexane | 110-54-3 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 10 | N.D. | | 41 | 20 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 4.0 | N.D. | | 19 | 20 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 10 | N.D. | | 41 | 20 |
| 05298 | Methylene Chloride | 75-09-2 | 5.6 | J | 4.0 | 19 | J | 14 | 20 |
| 05298 | Octane | 111-65-9 | N.D. | | 4.0 | N.D. | | 19 | 20 |
| 05298 | Pentane | 109-66-0 | N.D. | | 4.0 | N.D. | | 12 | 20 |
| 05298 | Styrene | 100-42-5 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Toluene | 108-88-3 | 100 | | 4.0 | 380 | | 15 | 20 |

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# Analysis Report



**Sample Description: MP 11 Summa Can #897 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6379261**
**LLI Group # 1262228**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 08/15/2011 12:56 by NW

Submitted: 08/17/2011 09:25
Reported: 08/24/2011 18:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 1,700 | | 4.0 | 9,200 | | 22 | 20 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 4.0 | N.D. | | 22 | 20 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 4.0 | N.D. | | 21 | 20 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 6.9 | J | 4.0 | 39 | J | 22 | 20 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 4.0 | N.D. | | 10 | 20 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 4.0 | N.D. | | 17 | 20 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1123430AB | 08/24/2011 01:03 | Michael A Ziegler | 20 |

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# Analysis Report



**Sample Description: MP 2 Summa Can #863 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6379262**
**LLI Group # 1262228**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 08/15/2011 12:59 by NW

Submitted: 08/17/2011 09:25
Reported: 08/24/2011 18:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 720 | | 10 | 1,700 | | 24 | 20 |
| 05298 | Benzene | 71-43-2 | N.D. | | 4.0 | N.D. | | 13 | 20 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 4.0 | N.D. | | 26 | 20 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 4.0 | N.D. | | 41 | 20 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 10 | N.D. | | 22 | 20 |
| 05298 | 2-Butanone | 78-93-3 | 440 | | 10 | 1,300 | | 29 | 20 |
| 05298 | Carbon Disulfide | 75-15-0 | 19 | J | 4.0 | 60 | J | 12 | 20 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 4.0 | N.D. | | 25 | 20 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 4.0 | N.D. | | 11 | 20 |
| 05298 | Chloroform | 67-66-3 | 5.3 | J | 4.0 | 26 | J | 20 | 20 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 4.0 | N.D. | | 8.3 | 20 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 4.0 | N.D. | | 13 | 20 |
| 05298 | Cumene | 98-82-8 | 5.3 | J | 4.0 | 26 | J | 20 | 20 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 4.0 | N.D. | | 34 | 20 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 4.0 | N.D. | | 31 | 20 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 4.0 | N.D. | | 28 | 20 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 190 | | 4.0 | 780 | | 16 | 20 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 2,100 | | 4.0 | 8,200 | | 16 | 20 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 10 | N.D. | | 77 | 20 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 4.0 | N.D. | | 28 | 20 |
| 05298 | Heptane | 142-82-5 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 4.0 | N.D. | | 39 | 20 |
| 05298 | Hexane | 110-54-3 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 10 | N.D. | | 41 | 20 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 4.0 | N.D. | | 19 | 20 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 10 | N.D. | | 41 | 20 |
| 05298 | Methylene Chloride | 75-09-2 | 4.2 | J | 4.0 | 15 | J | 14 | 20 |
| 05298 | Octane | 111-65-9 | N.D. | | 4.0 | N.D. | | 19 | 20 |
| 05298 | Pentane | 109-66-0 | 5.5 | J | 4.0 | 16 | J | 12 | 20 |
| 05298 | Styrene | 100-42-5 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Toluene | 108-88-3 | 15 | J | 4.0 | 56 | J | 15 | 20 |

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# Analysis Report



**Sample Description: MP 2 Summa Can #863 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6379262**
**LLI Group # 1262228**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 08/15/2011 12:59 by NW

Submitted: 08/17/2011 09:25
Reported: 08/24/2011 18:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 1,500 | | 4.0 | 8,000 | | 22 | 20 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 4.0 | N.D. | | 22 | 20 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 4.0 | N.D. | | 21 | 20 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 4.0 | N.D. | | 22 | 20 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Vinyl Chloride | 75-01-4 | 5.0 | J | 4.0 | 13 | J | 10 | 20 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 4.0 | N.D. | | 17 | 20 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1123430AB | 08/23/2011 18:25 | Michael A Ziegler | 20 |

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# Analysis Report



**Sample Description: MP 3 Summa Can #510 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6379263**
**LLI Group # 1262228**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 08/15/2011 13:10 by NW

Submitted: 08/17/2011 09:25
Reported: 08/24/2011 18:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 6.2 | J | 5.0 | 15 | J | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 5.0 | N.D. | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | 6.0 | J | 2.0 | 19 | J | 6.2 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 2.0 | J | 2.0 | 7.2 | J | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | 4.1 | J | 2.0 | 11 | J | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | 3.6 | J | 2.0 | 18 | J | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | 2.2 | J | 2.0 | 11 | J | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 480 | | 2.0 | 1,900 | | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 3.9 | J | 2.0 | 16 | J | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 5,000 | | 40 | 20,000 | | 160 | 200 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | 5.8 | J | 2.0 | 25 | J | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | 22 | | 2.0 | 75 | | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | 11 | | 2.0 | 74 | | 14 | 10 |
| 05298 | Toluene | 108-88-3 | 1,000 | | 2.0 | 3,900 | | 7.5 | 10 |

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# Analysis Report



**Sample Description: MP 3 Summa Can #510 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6379263**
**LLI Group # 1262228**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 08/15/2011 13:10 by NW

Submitted: 08/17/2011 09:25
Reported: 08/24/2011 18:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 13,000 | | 40 | 70,000 | | 220 | 200 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | 3.5 | J | 2.0 | 19 | J | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 26 | | 2.0 | 150 | | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | 4.7 | J | 2.0 | 12 | J | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | 34 | | 2.0 | 150 | | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | 7.5 | J | 2.0 | 33 | J | 8.7 | 10 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1123430AA | 08/23/2011 03:41 | Michael A Ziegler | 10 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1123430AB | 08/23/2011 19:10 | Michael A Ziegler | 200 |

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# Analysis Report



**Sample Description: MP 8 Summa Can #852 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6379264**
**LLI Group # 1262228**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 08/15/2011 13:14 by NW

Submitted: 08/17/2011 09:25
Reported: 08/24/2011 18:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 7.7 | | 0.50 | 18 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | 0.41 | J | 0.20 | 1.3 | J | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 2.2 | | 0.50 | 6.5 | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 0.24 | J | 0.20 | 0.73 | J | 0.62 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 1.5 | | 0.20 | 5.4 | | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 0.20 | N.D. | | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 1.7 | | 0.20 | 8.3 | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.50 | J | 0.20 | 2.5 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 1.9 | | 0.20 | 7.6 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 0.21 | J | 0.20 | 0.84 | J | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 1,200 | | 4.0 | 4,600 | | 16 | 20 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | 0.25 | J | 0.20 | 1.1 | J | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 0.27 | J | 0.20 | 1.2 | J | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 1.3 | | 0.20 | 4.7 | | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.22 | J | 0.20 | 0.64 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 2.7 | | 0.20 | 10 | | 0.75 | 1 |

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# Analysis Report



**Sample Description: MP 8 Summa Can #852 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6379264**
**LLI Group # 1262228**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 08/15/2011 13:14 by NW

Submitted: 08/17/2011 09:25
Reported: 08/24/2011 18:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 77 | | 0.20 | 420 | | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | 0.25 | J | 0.20 | 1.4 | J | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 22 | | 0.20 | 120 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 0.95 | J | 0.20 | 4.1 | J | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 0.55 | J | 0.20 | 2.4 | J | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1123430AA | 08/23/2011 04:28 | Michael A Ziegler | 1 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1123430AB | 08/23/2011 19:54 | Michael A Ziegler | 20 |

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# Analysis Report



**Sample Description: MP 7 Summa Can #074 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6379265**
**LLI Group # 1262228**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 08/15/2011 13:16 by NW

Submitted: 08/17/2011 09:25
Reported: 08/24/2011 18:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 6.5 | J | 5.0 | 15 | J | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 5.0 | N.D. | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | 2.4 | J | 2.0 | 7.6 | J | 6.2 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 180 | | 2.0 | 720 | | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 5.5 | J | 2.0 | 22 | J | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 9,400 | | 20 | 37,000 | | 79 | 100 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | 14 | | 2.0 | 50 | | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | 2.2 | J | 2.0 | 15 | J | 14 | 10 |
| 05298 | Toluene | 108-88-3 | 300 | | 2.0 | 1,100 | | 7.5 | 10 |

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# Analysis Report



**Sample Description: MP 7 Summa Can #074 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6379265**
**LLI Group # 1262228**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 08/15/2011 13:16 by NW

Submitted: 08/17/2011 09:25
Reported: 08/24/2011 18:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 3,100 | | 20 | 17,000 | | 110 | 100 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | 3.1 | J | 2.0 | 17 | J | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 22 | | 2.0 | 130 | | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 2.0 | N.D. | | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | 8.1 | J | 2.0 | 35 | J | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | 2.2 | J | 2.0 | 9.7 | J | 8.7 | 10 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1123430AA | 08/23/2011 05:12 | Michael A Ziegler | 10 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1123430AB | 08/23/2011 20:41 | Michael A Ziegler | 100 |

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# Analysis Report



**Sample Description: MP 6 Summa Can #140 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6379266**
**LLI Group # 1262228**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 08/15/2011 13:19 by NW

Submitted: 08/17/2011 09:25
Reported: 08/24/2011 18:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | N.D. | | 10 | N.D. | | 24 | 20 |
| 05298 | Benzene | 71-43-2 | N.D. | | 4.0 | N.D. | | 13 | 20 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 4.0 | N.D. | | 26 | 20 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 4.0 | N.D. | | 41 | 20 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 10 | N.D. | | 22 | 20 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 10 | N.D. | | 29 | 20 |
| 05298 | Carbon Disulfide | 75-15-0 | 4.2 | J | 4.0 | 13 | J | 12 | 20 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 4.0 | N.D. | | 25 | 20 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 4.0 | N.D. | | 11 | 20 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 4.0 | N.D. | | 8.3 | 20 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 4.0 | N.D. | | 13 | 20 |
| 05298 | Cumene | 98-82-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 4.0 | N.D. | | 34 | 20 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 4.0 | N.D. | | 31 | 20 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 4.0 | N.D. | | 28 | 20 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 120 | | 4.0 | 470 | | 16 | 20 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 660 | | 4.0 | 2,600 | | 16 | 20 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 10 | N.D. | | 77 | 20 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 4.0 | N.D. | | 28 | 20 |
| 05298 | Heptane | 142-82-5 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 4.0 | N.D. | | 39 | 20 |
| 05298 | Hexane | 110-54-3 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 10 | N.D. | | 41 | 20 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 4.0 | N.D. | | 19 | 20 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 10 | N.D. | | 41 | 20 |
| 05298 | Methylene Chloride | 75-09-2 | 9.6 | J | 4.0 | 33 | J | 14 | 20 |
| 05298 | Octane | 111-65-9 | N.D. | | 4.0 | N.D. | | 19 | 20 |
| 05298 | Pentane | 109-66-0 | N.D. | | 4.0 | N.D. | | 12 | 20 |
| 05298 | Styrene | 100-42-5 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Toluene | 108-88-3 | 280 | | 4.0 | 1,100 | | 15 | 20 |

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# Analysis Report



**Sample Description: MP 6 Summa Can #140 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6379266**
**LLI Group # 1262228**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 08/15/2011 13:19 by NW

Submitted: 08/17/2011 09:25
Reported: 08/24/2011 18:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 2,300 | | 40 | 13,000 | | 220 | 200 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 4.0 | N.D. | | 22 | 20 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 4.0 | N.D. | | 21 | 20 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 26 | | 4.0 | 140 | | 22 | 20 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 4.0 | N.D. | | 10 | 20 |
| 05298 | m/p-Xylene | 179601-23-1 | 4.4 | J | 4.0 | 19 | J | 17 | 20 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 4.0 | N.D. | | 17 | 20 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1123430AB | 08/23/2011 21:25 | Michael A Ziegler | 20 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1123430AB | 08/24/2011 02:37 | Michael A Ziegler | 200 |

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# Analysis Report



**Sample Description: MP 5 Summa Can #163 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6379267**
**LLI Group # 1262228**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 08/15/2011 13:22 by NW

Submitted: 08/17/2011 09:25
Reported: 08/24/2011 18:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 11 | | 1.0 | 27 | | 2.4 | 2 |
| 05298 | Benzene | 71-43-2 | N.D. | | 0.40 | N.D. | | 1.3 | 2 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.40 | N.D. | | 2.6 | 2 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.40 | N.D. | | 2.7 | 2 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.40 | N.D. | | 4.1 | 2 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.40 | N.D. | | 1.6 | 2 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 1.0 | N.D. | | 2.2 | 2 |
| 05298 | 2-Butanone | 78-93-3 | 5.2 | | 1.0 | 15 | | 2.9 | 2 |
| 05298 | Carbon Disulfide | 75-15-0 | 1.4 | J | 0.40 | 4.3 | J | 1.2 | 2 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.40 | N.D. | | 2.5 | 2 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.40 | N.D. | | 1.8 | 2 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 1.5 | J | 0.40 | 5.3 | J | 1.4 | 2 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.40 | N.D. | | 1.1 | 2 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.40 | N.D. | | 2.0 | 2 |
| 05298 | Chloromethane | 74-87-3 | 0.97 | J | 0.40 | 2.0 | J | 0.83 | 2 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.40 | N.D. | | 1.3 | 2 |
| 05298 | Cumene | 98-82-8 | 1.1 | J | 0.40 | 5.3 | J | 2.0 | 2 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.40 | N.D. | | 3.4 | 2 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.40 | N.D. | | 3.1 | 2 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.40 | N.D. | | 2.8 | 2 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.40 | N.D. | | 2.4 | 2 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.40 | N.D. | | 2.4 | 2 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.40 | N.D. | | 2.4 | 2 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.59 | J | 0.40 | 2.9 | J | 2.0 | 2 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 0.68 | J | 0.40 | 2.8 | J | 1.6 | 2 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.40 | N.D. | | 1.6 | 2 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 140 | | 0.40 | 550 | | 1.6 | 2 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.40 | N.D. | | 1.6 | 2 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.40 | N.D. | | 1.6 | 2 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.40 | N.D. | | 1.7 | 2 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.40 | N.D. | | 1.8 | 2 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.40 | N.D. | | 1.8 | 2 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.40 | N.D. | | 1.8 | 2 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 0.40 | N.D. | | 1.7 | 2 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.40 | N.D. | | 2.0 | 2 |
| 05298 | Freon 113 | 76-13-1 | 4.4 | | 1.0 | 34 | | 7.7 | 2 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.40 | N.D. | | 2.8 | 2 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.40 | N.D. | | 1.6 | 2 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.40 | N.D. | | 3.9 | 2 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.40 | N.D. | | 1.4 | 2 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 1.0 | N.D. | | 4.1 | 2 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.40 | N.D. | | 1.9 | 2 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.40 | N.D. | | 1.4 | 2 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 1.0 | N.D. | | 4.1 | 2 |
| 05298 | Methylene Chloride | 75-09-2 | 0.48 | J | 0.40 | 1.7 | J | 1.4 | 2 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.40 | N.D. | | 1.9 | 2 |
| 05298 | Pentane | 109-66-0 | 0.48 | J | 0.40 | 1.4 | J | 1.2 | 2 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.40 | N.D. | | 1.7 | 2 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.40 | N.D. | | 2.7 | 2 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.40 | N.D. | | 2.7 | 2 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 0.40 | N.D. | | 2.7 | 2 |
| 05298 | Toluene | 108-88-3 | 1.1 | J | 0.40 | 4.3 | J | 1.5 | 2 |

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# Analysis Report



**Sample Description: MP 5 Summa Can #163 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6379267**
**LLI Group # 1262228**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 08/15/2011 13:22 by NW

Submitted: 08/17/2011 09:25
Reported: 08/24/2011 18:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 7.6 | | 0.40 | 42 | | 2.2 | 2 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.40 | N.D. | | 2.2 | 2 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.40 | N.D. | | 2.1 | 2 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 21 | | 0.40 | 120 | | 2.2 | 2 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.40 | N.D. | | 2.4 | 2 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 0.65 | J | 0.40 | 3.2 | J | 2.0 | 2 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.40 | N.D. | | 2.0 | 2 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.40 | N.D. | | 1.0 | 2 |
| 05298 | m/p-Xylene | 179601-23-1 | 0.97 | J | 0.40 | 4.2 | J | 1.7 | 2 |
| 05298 | o-Xylene | 95-47-6 | 0.67 | J | 0.40 | 2.9 | J | 1.7 | 2 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1123430AB | 08/24/2011 01:54 | Michael A Ziegler | 2 |

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# Analysis Report



**Sample Description: MP 4 Summa Can #827 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6379268**
**LLI Group # 1262228**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 08/15/2011 13:26 by NW

Submitted: 08/17/2011 09:25
Reported: 08/24/2011 18:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 16 | J | 10 | 38 | J | 24 | 20 |
| 05298 | Benzene | 71-43-2 | N.D. | | 4.0 | N.D. | | 13 | 20 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 4.0 | N.D. | | 26 | 20 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 4.0 | N.D. | | 41 | 20 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 10 | N.D. | | 22 | 20 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 10 | N.D. | | 29 | 20 |
| 05298 | Carbon Disulfide | 75-15-0 | 6.0 | J | 4.0 | 19 | J | 12 | 20 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 4.0 | N.D. | | 25 | 20 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 4.0 | N.D. | | 11 | 20 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 4.0 | N.D. | | 8.3 | 20 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 4.0 | N.D. | | 13 | 20 |
| 05298 | Cumene | 98-82-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 4.0 | N.D. | | 34 | 20 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 4.0 | N.D. | | 31 | 20 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 4.0 | N.D. | | 28 | 20 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 9.1 | J | 4.0 | 37 | J | 16 | 20 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 500 | | 4.0 | 2,000 | | 16 | 20 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 10 | N.D. | | 77 | 20 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 4.0 | N.D. | | 28 | 20 |
| 05298 | Heptane | 142-82-5 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 4.0 | N.D. | | 39 | 20 |
| 05298 | Hexane | 110-54-3 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 10 | N.D. | | 41 | 20 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 4.0 | N.D. | | 19 | 20 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 10 | N.D. | | 41 | 20 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | Octane | 111-65-9 | N.D. | | 4.0 | N.D. | | 19 | 20 |
| 05298 | Pentane | 109-66-0 | N.D. | | 4.0 | N.D. | | 12 | 20 |
| 05298 | Styrene | 100-42-5 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Toluene | 108-88-3 | N.D. | | 4.0 | N.D. | | 15 | 20 |

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# Analysis Report



**Sample Description: MP 4 Summa Can #827 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6379268**
**LLI Group # 1262228**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 08/15/2011 13:26 by NW

Submitted: 08/17/2011 09:25
Reported: 08/24/2011 18:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 4.3 | J | 4.0 | 24 | J | 22 | 20 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 4.0 | N.D. | | 22 | 20 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 4.0 | N.D. | | 21 | 20 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 29 | | 4.0 | 160 | | 22 | 20 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 4.0 | N.D. | | 10 | 20 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 4.0 | N.D. | | 17 | 20 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1123430AB | 08/23/2011 22:52 | Michael A Ziegler | 20 |

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# Analysis Report



**Sample Description: Undiluted Summa Can #1089 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6379269**
**LLI Group # 1262228**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 08/15/2011 13:03 by NW

Submitted: 08/17/2011 09:25
Reported: 08/24/2011 18:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | N.D. | | 10 | N.D. | | 24 | 20 |
| 05298 | Benzene | 71-43-2 | N.D. | | 4.0 | N.D. | | 13 | 20 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 4.0 | N.D. | | 26 | 20 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 4.0 | N.D. | | 41 | 20 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 10 | N.D. | | 22 | 20 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 10 | N.D. | | 29 | 20 |
| 05298 | Carbon Disulfide | 75-15-0 | 4.2 | J | 4.0 | 13 | J | 12 | 20 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 4.0 | N.D. | | 25 | 20 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 4.0 | N.D. | | 11 | 20 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 4.0 | N.D. | | 8.3 | 20 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 4.0 | N.D. | | 13 | 20 |
| 05298 | Cumene | 98-82-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 4.0 | N.D. | | 34 | 20 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 4.0 | N.D. | | 31 | 20 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 4.0 | N.D. | | 28 | 20 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 150 | | 4.0 | 600 | | 16 | 20 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 2,000 | | 40 | 8,100 | | 160 | 200 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 10 | N.D. | | 77 | 20 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 4.0 | N.D. | | 28 | 20 |
| 05298 | Heptane | 142-82-5 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 4.0 | N.D. | | 39 | 20 |
| 05298 | Hexane | 110-54-3 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 10 | N.D. | | 41 | 20 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 4.0 | N.D. | | 19 | 20 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 10 | N.D. | | 41 | 20 |
| 05298 | Methylene Chloride | 75-09-2 | 10 | J | 4.0 | 36 | J | 14 | 20 |
| 05298 | Octane | 111-65-9 | N.D. | | 4.0 | N.D. | | 19 | 20 |
| 05298 | Pentane | 109-66-0 | N.D. | | 4.0 | N.D. | | 12 | 20 |
| 05298 | Styrene | 100-42-5 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Toluene | 108-88-3 | 430 | | 4.0 | 1,600 | | 15 | 20 |

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# Analysis Report



**Sample Description: Undiluted Summa Can #1089 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6379269**
**LLI Group # 1262228**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 08/15/2011 13:03 by NW

Submitted: 08/17/2011 09:25
Reported: 08/24/2011 18:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 2,800 | | 40 | 15,000 | | 220 | 200 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 4.0 | N.D. | | 22 | 20 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 4.0 | N.D. | | 21 | 20 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 25 | | 4.0 | 140 | | 22 | 20 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 4.0 | N.D. | | 10 | 20 |
| 05298 | m/p-Xylene | 179601-23-1 | 6.9 | J | 4.0 | 30 | J | 17 | 20 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 4.0 | N.D. | | 17 | 20 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1123430AB | 08/23/2011 23:36 | Michael A Ziegler | 20 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1123430AB | 08/24/2011 03:21 | Michael A Ziegler | 200 |

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# Analysis Report



**Sample Description: Blower Exhaust SC #189 Composite Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6379270**
**LLI Group # 1262228**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 08/11/2011 11:20 by NW
through 08/11/2011 13:22
Submitted: 08/17/2011 09:25
Reported: 08/24/2011 18:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 210 | | 10 | 500 | | 24 | 20 |
| 05298 | Benzene | 71-43-2 | N.D. | | 4.0 | N.D. | | 13 | 20 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 4.0 | N.D. | | 26 | 20 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 4.0 | N.D. | | 41 | 20 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 10 | N.D. | | 22 | 20 |
| 05298 | 2-Butanone | 78-93-3 | 32 | J | 10 | 93 | J | 29 | 20 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 4.0 | N.D. | | 12 | 20 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 4.0 | N.D. | | 25 | 20 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 4.0 | N.D. | | 11 | 20 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 4.0 | N.D. | | 8.3 | 20 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 4.0 | N.D. | | 13 | 20 |
| 05298 | Cumene | 98-82-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 4.0 | N.D. | | 34 | 20 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 4.0 | N.D. | | 31 | 20 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 4.0 | N.D. | | 28 | 20 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | 4.7 | J | 4.0 | 28 | J | 24 | 20 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 23 | | 4.0 | 93 | | 16 | 20 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 430 | | 4.0 | 1,700 | | 16 | 20 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 10 | N.D. | | 77 | 20 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 4.0 | N.D. | | 28 | 20 |
| 05298 | Heptane | 142-82-5 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 4.0 | N.D. | | 39 | 20 |
| 05298 | Hexane | 110-54-3 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 10 | N.D. | | 41 | 20 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 4.0 | N.D. | | 19 | 20 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 10 | N.D. | | 41 | 20 |
| 05298 | Methylene Chloride | 75-09-2 | 4.3 | J | 4.0 | 15 | J | 14 | 20 |
| 05298 | Octane | 111-65-9 | N.D. | | 4.0 | N.D. | | 19 | 20 |
| 05298 | Pentane | 109-66-0 | N.D. | | 4.0 | N.D. | | 12 | 20 |
| 05298 | Styrene | 100-42-5 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Toluene | 108-88-3 | N.D. | | 4.0 | N.D. | | 15 | 20 |

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# Analysis Report



**Sample Description: Blower Exhaust SC #189 Composite Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6379270**
**LLI Group # 1262228**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 08/11/2011 11:20 by NW
through 08/11/2011 13:22
Submitted: 08/17/2011 09:25
Reported: 08/24/2011 18:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 350 | | 4.0 | 1,900 | | 22 | 20 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 4.0 | N.D. | | 22 | 20 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 4.0 | N.D. | | 21 | 20 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 12 | J | 4.0 | 66 | J | 22 | 20 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 4.0 | N.D. | | 10 | 20 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 4.0 | N.D. | | 17 | 20 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1123430AB | 08/24/2011 00:19 | Michael A Ziegler | 20 |

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# Analysis Report



## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1262228
Reported: 08/24/11 at 06:16 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

## Laboratory Compliance Quality Control

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: D1123430AA | Sample number(s): 6379263-6379265 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 128 | 115 | 56-144 | 10 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 88 | 74 | 70-130 | 17 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 102 | 86 | 73-132 | 17 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 107 | 94 | 65-135 | 13 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 102 | 90 | 70-130 | 13 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 89 | 80 | 65-138 | 11 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 94 | 92 | 63-135 | 2 | 25 |
| Carbon Disulfide | N.D. | 0.20 | ppb(v) | 82 | 73 | 59-112 | 12 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 110 | 93 | 70-130 | 16 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 90 | 77 | 70-130 | 16 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 94 | 81 | 71-137 | 14 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 95 | 80 | 70-130 | 18 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 84 | 81 | 59-135 | 3 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 97 | 83 | 70-128 | 15 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 96 | 83 | 71-129 | 15 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 114 | 100 | 42-149 | 13 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 108 | 95 | 47-141 | 13 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 111 | 97 | 43-143 | 13 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 110 | 96 | 75-141 | 14 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 96 | 81 | 65-127 | 18 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 103 | 87 | 70-130 | 17 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 89 | 77 | 63-125 | 15 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 98 | 84 | 63-119 | 15 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 84 | 73 | 70-130 | 14 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 88 | 77 | 66-127 | 13 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 89 | 78 | 64-126 | 14 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 97 | 83 | 70-130 | 16 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 94 | 84 | 56-138 | 11 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 99 | 83 | 66-120 | 17 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 97 | 85 | 64-141 | 12 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 85 | 73 | 62-124 | 16 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 89 | 77 | 59-123 | 15 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 103 | 102 | 44-184 | 1 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 89 | 81 | 62-125 | 10 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 98 | 95 | 62-151 | 3 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 130 | 112 | 70-130 | 15 | 25 |
| Octane | N.D. | 0.20 | ppb(v) | | | | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1262228
Reported: 08/24/11 at 06:16 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 95 | 80 | 65-136 | 17 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 107 | 103 | 49-148 | 4 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 88 | 76 | 70-130 | 15 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 89 | 76 | 70-130 | 16 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 100 | 85 | 70-130 | 16 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 93 | 80 | 64-129 | 15 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 96 | 78 | 70-130 | 20 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 122 | 107 | 70-130 | 14 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 98 | 88 | 52-142 | 10 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 97 | 88 | 59-144 | 10 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 93 | 84 | 70-130 | 10 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 102 | 87 | 70-130 | 16 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 97 | 84 | 70-130 | 15 | 25 |
| Batch number: D1123430AB | Sample number(s): 6379259-6379270 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 128 | 115 | 56-144 | 10 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 88 | 74 | 70-130 | 17 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 102 | 86 | 73-132 | 17 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 107 | 94 | 65-135 | 13 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 102 | 90 | 70-130 | 13 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 89 | 80 | 65-138 | 11 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 94 | 92 | 63-135 | 2 | 25 |
| Carbon Disulfide | N.D. | 0.20 | ppb(v) | 82 | 73 | 59-112 | 12 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 110 | 93 | 70-130 | 16 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 90 | 77 | 70-130 | 16 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 94 | 81 | 71-137 | 14 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 95 | 80 | 70-130 | 18 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 84 | 81 | 59-135 | 3 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 97 | 83 | 70-128 | 15 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 96 | 83 | 71-129 | 15 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 114 | 100 | 42-149 | 13 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 108 | 95 | 47-141 | 13 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 111 | 97 | 43-143 | 13 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 110 | 96 | 75-141 | 14 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 96 | 81 | 65-127 | 18 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 103 | 87 | 70-130 | 17 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 96 | 85 | 62-118 | 12 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 89 | 77 | 63-125 | 15 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 98 | 84 | 63-119 | 15 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 84 | 73 | 70-130 | 14 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 88 | 77 | 66-127 | 13 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 89 | 78 | 64-126 | 14 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 97 | 83 | 70-130 | 16 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 94 | 84 | 56-138 | 11 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 99 | 83 | 66-120 | 17 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 97 | 85 | 64-141 | 12 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 85 | 73 | 62-124 | 16 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 89 | 77 | 59-123 | 15 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1262228
Reported: 08/24/11 at 06:16 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 103 | 102 | 44-184 | 1 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 89 | 81 | 62-125 | 10 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 98 | 95 | 62-151 | 3 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 130 | 112 | 70-130 | 15 | 25 |
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 95 | 80 | 65-136 | 17 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 107 | 103 | 49-148 | 4 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 88 | 76 | 70-130 | 15 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 89 | 76 | 70-130 | 16 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 100 | 85 | 70-130 | 16 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 93 | 80 | 64-129 | 15 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 96 | 78 | 70-130 | 20 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 122 | 107 | 70-130 | 14 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 98 | 88 | 52-142 | 10 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 97 | 88 | 59-144 | 10 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 93 | 84 | 70-130 | 10 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 102 | 87 | 70-130 | 16 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 97 | 84 | 70-130 | 15 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 6556 Group# 1262228 Sample # 6379259-70

**COC # 240695**

1 of 2

Please print. Instructions on reverse side correspond with circled numbers.

**For Lab Use Only**
FSC: _____
SCR#: _____

(1)
Client: The Johnson Co. Acct. #: _____
Project Name/#: Flowery Branch SVE PWSID #: _____
Project Manager: Todd Hall P.O.#: 1-0145-4
Sampler: Nathan Williams Quote #: _____
Name of state where samples were collected: Georgia

**Preservation Codes**
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

(6) Temperature of samples upon receipt (if requested)

| (2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | Matrix: Soil | Water | Other (Air) | (4) Total # of Containers | (5) Analyses Requested / Preservation Codes: Long list VOC via 8260 SIM | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| MP 9 | 8/15/11 | 12:47 | X | | | | X | 1 | X | Canister # 138 |
| MP 10 | 8/15/11 | 12:52 | X | | | | X | 1 | X | " # 129 |
| MP 11 | 8/15/11 | 12:56 | X | | | | X | 1 | X | " # 897 |
| MP 2 | 8/15/11 | 12:59 | X | | | | X | 1 | X | " # 863 |
| MP 3 | 8/15/11 | 13:10 | X | | | | X | 1 | X | " # 510 |
| MP 8 | 8/15/11 | 13:14 | X | | | | X | 1 | X | " # 852 |
| MP 7 | 8/15/11 | 13:16 | X | | | | X | 1 | X | " # 074 |
| MP 6 | 8/15/11 | 13:19 | X | | | | X | 1 | X | " # 140 |
| MP 5 | 8/15/11 | 13:22 | X | | | | X | 1 | X | " # 163 |
| MP 4 | 8/15/11 | 13:26 | X | | | | X | 1 | X | " # 827 |

(7) **Turnaround Time Requested** (TAT) (please circle): (Normal) Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 802-229-4600 Fax #: _____
E-mail address: TAH@JCOmail.com

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)
SDG Complete? Yes No
Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No _____

(9)

| Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|
| Nathan Williams | 8/15/11 | 1602 | | | |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: Brandy Barclay | 8-17-11 | 925 |

# Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 6556 Group# 1262228 Sample # 6379259-70 **COC # 240694**

2 of 2

Please print. Instructions on reverse side correspond with circled numbers.

(1) Client: The Johnson Co Acct. #:

Project Name/#: Flowery Branch SVE PWSID #:

Project Manager: Todd Hall P.O.#: 1-0145-4

Sampler: Nathan Williams Quote #:

Name of state where samples were collected: Georgia

| (2) Sample Identification | Date Collected | Time Collected | (3) Grab | (3) Composite | Matrix (4): Soil | Water | Other Air | Total # of Containers | (5) Analyses Requested / Preservation Codes: Long list+ VOC via 8260B | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| ~~Blower~~ Undiluted | 8/15/11 | 13:03 | X | | | | X | 1 | X | Cannister # 1089 |
| Blower Exhaust | 8/15/11 | 11:20-13:22 | | X | | | X | 1 | X | Cannister # 189 |

Potable / NPDES: ☐ ☐

For Lab Use Only
FSC:
SCR#:

Preservation Codes
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

(6) Temperature of samples upon receipt (if requested)

(7) **Turnaround Time Requested** (TAT) (please circle): (Normal) Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 802-229-4600 Fax #:
E-mail address: TAH@JCOmail.com

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)
SDG Complete? Yes No
Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No

| (9) Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|
| Nathan Williams | 8/15/11 | 1602 | | | |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: Brandy Buckley | 8-17-11 | 925 |

Lancaster Laboratories

# Environmental Sample Administration
# Receipt Documentation Log

**Client/Project:** The Johnson CO

**Date of Receipt:** 8-17-11

**Time of Receipt:** 925

**Source Code:** 60-1

**Shipping Container Sealed:** (YES) NO

**Custody Seal Present * :** YES (NO)

* Custody seal was intact unless otherwise noted in the discrepancy section

**Package:** Chilled Not Chilled

| Temperature of Shipping Containers | | | | | | | |
|---|---|---|---|---|---|---|---|
| Cooler # | Thermometer ID | Temperature (°C) | Temp Bottle (TB) or Surface Temp (ST) | Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP) | Ice Present? Y/N | Loose (L) Bagged Ice (B) or NA | Comments |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |

**Number of Trip Blanks received NOT listed on chain of custody:** (0)

**Paperwork Discrepancy/Unpacking Problems:**

Rec not used Summa's 30,123,553
Rec 2 Flow control
Rec 15 Tubing

**Unpacker Signature/Emp#:** Brandy Barclay 2299 **Date/Time:** 8-17-11 11:01

Issued by Dept. 6042 Management

2174.06

# Explanation of Symbols and Abbreviations

*The following defines common symbols and abbreviations used in reporting technical data:*

| | | | |
|---|---|---|---|
| **RL** | Reporting Limit | **BMQL** | Below Minimum Quantitation Level |
| **N.D.** | none detected | **MPN** | Most Probable Number |
| **TNTC** | Too Numerous To Count | **CP Units** | cobalt-chloroplatinate units |
| **IU** | International Units | **NTU** | nephelometric turbidity units |
| **umhos/cm** | micromhos/cm | **ng** | nanogram(s) |
| **C** | degrees Celsius | **F** | degrees Fahrenheit |
| **meq** | milliequivalents | **lb.** | pound(s) |
| **g** | gram(s) | **kg** | kilogram(s) |
| **ug** | microgram(s) | **mg** | milligram(s) |
| **ml** | milliliter(s) | **l** | liter(s) |
| **m3** | cubic meter(s) | **ul** | microliter(s) |

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**J** estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

*U.S. EPA CLP Data Qualifiers:*

**Organic Qualifiers**

| | |
|---|---|
| **A** | TIC is a possible aldol-condensation product |
| **B** | Analyte was also detected in the blank |
| **C** | Pesticide result confirmed by GC/MS |
| **D** | Compound quantitated on a diluted sample |
| **E** | Concentration exceeds the calibration range of the instrument |
| **N** | Presumptive evidence of a compound (TICs only) |
| **P** | Concentration difference between primary and confirmation columns >25% |
| **U** | Compound was not detected |
| **X,Y,Z** | Defined in case narrative |

**Inorganic Qualifiers**

| | |
|---|---|
| **B** | Value is <CRDL, but ≥IDL |
| **E** | Estimated due to interference |
| **M** | Duplicate injection precision not met |
| **N** | Spike sample not within control limits |
| **S** | Method of standard additions (MSA) used for calculation |
| **U** | Compound was not detected |
| **W** | Post digestion spike out of control limits |
| ***** | Duplicate analysis not within control limits |
| **+** | Correlation coefficient for MSA <0.995 |

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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# Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

September 28, 2011

Project: Avery Dennison / Flowery Branch, GA

Submittal Date: 09/20/2011
Group Number: 1267255
PO Number: 1-0145-4
State of Sample Origin: GA

| Client Sample Description | Lancaster Labs (LLI) # |
|---|---|
| MP09 Summa Can #856 Air | 6411711 |
| MP06 Summa Can #891 Air | 6411712 |
| VW5 Summa Can #106 Air | 6411713 |
| MP3 Summa Can #1031 Air | 6411714 |
| VW3 Summa Can #1077 Air | 6411715 |
| MP08 Summa Can #880 Air | 6411716 |
| MP64 Summa Can #095 Air | 6411717 |
| MP07 Summa Can #102 Air | 6411718 |
| VW6 Summa Can #1021 Air | 6411719 |
| MP11 Summa Can #135 Air | 6411720 |
| MP02 Summa Can #158 Air | 6411721 |
| MP10 Summa Can #534 Air | 6411722 |
| Undiluted1 Summa Can #145 Air | 6411723 |
| MP05 Summa Can #162 Air | 6411724 |
| Blower Summa Can #012 Air | 6411725 |
| MP04 Summa Can #138 Air | 6411726 |

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO The Johnson Company, Inc. Attn: Todd Hall

Lancaster Laboratories

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# Analysis Report

Questions? Contact your Client Services Representative
Wendy A Kozma at (717) 656-2300 Ext. 1522

Respectfully Submitted,

Matthew E. Barton
Senior Specialist

Lancaster Laboratories

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# Analysis Report



**Sample Description: MP09 Summa Can #856 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6411711**
**LLI Group # 1267255**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/16/2011 11:31 by NW

Submitted: 09/20/2011 09:50
Reported: 09/28/2011 16:17

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 29 | | 2.5 | 69 | | 5.9 | 5 |
| 05298 | Benzene | 71-43-2 | N.D. | | 1.0 | N.D. | | 3.2 | 5 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 1.0 | N.D. | | 6.4 | 5 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 1.0 | N.D. | | 6.7 | 5 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 1.0 | N.D. | | 10 | 5 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 1.0 | N.D. | | 3.9 | 5 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 2.5 | N.D. | | 5.5 | 5 |
| 05298 | 2-Butanone | 78-93-3 | 15 | | 2.5 | 45 | | 7.4 | 5 |
| 05298 | Carbon Disulfide | 75-15-0 | 2.1 | J | 1.0 | 6.6 | J | 3.1 | 5 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 1.0 | N.D. | | 6.3 | 5 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 1.0 | N.D. | | 4.6 | 5 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 1.0 | N.D. | | 3.5 | 5 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 1.0 | N.D. | | 2.6 | 5 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 1.0 | N.D. | | 4.9 | 5 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 1.0 | N.D. | | 2.1 | 5 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 1.0 | N.D. | | 3.1 | 5 |
| 05298 | Cumene | 98-82-8 | N.D. | | 1.0 | N.D. | | 4.9 | 5 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 1.0 | N.D. | | 8.5 | 5 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 1.0 | N.D. | | 7.7 | 5 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 1.0 | N.D. | | 7.1 | 5 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 1.0 | N.D. | | 6.0 | 5 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 1.0 | N.D. | | 6.0 | 5 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 1.0 | N.D. | | 6.0 | 5 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 1.0 | N.D. | | 4.9 | 5 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 46 | | 1.0 | 180 | | 4.0 | 5 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 1.0 | N.D. | | 4.0 | 5 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 32,000 | | 200 | 130,000 | | 790 | 1000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 1.0 | N.D. | | 4.0 | 5 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 1.0 | N.D. | | 4.0 | 5 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 1.0 | N.D. | | 4.2 | 5 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 1.0 | N.D. | | 4.6 | 5 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 1.0 | N.D. | | 4.5 | 5 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 1.0 | N.D. | | 4.5 | 5 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 1.0 | N.D. | | 4.3 | 5 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 1.0 | N.D. | | 4.9 | 5 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 2.5 | N.D. | | 19 | 5 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 1.0 | N.D. | | 7.0 | 5 |
| 05298 | Heptane | 142-82-5 | N.D. | | 1.0 | N.D. | | 4.1 | 5 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 1.0 | N.D. | | 9.7 | 5 |
| 05298 | Hexane | 110-54-3 | 1.2 | J | 1.0 | 4.3 | J | 3.5 | 5 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 2.5 | N.D. | | 10 | 5 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 1.0 | N.D. | | 4.7 | 5 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 1.0 | N.D. | | 3.6 | 5 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 2.5 | N.D. | | 10 | 5 |
| 05298 | Methylene Chloride | 75-09-2 | 2.5 | J | 1.0 | 8.6 | J | 3.5 | 5 |
| 05298 | Octane | 111-65-9 | N.D. | | 1.0 | N.D. | | 4.7 | 5 |
| 05298 | Pentane | 109-66-0 | N.D. | | 1.0 | N.D. | | 3.0 | 5 |
| 05298 | Styrene | 100-42-5 | N.D. | | 1.0 | N.D. | | 4.3 | 5 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 1.0 | N.D. | | 6.9 | 5 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 1.0 | N.D. | | 6.9 | 5 |
| 05298 | Tetrachloroethene | 127-18-4 | 1.0 | J | 1.0 | 6.9 | J | 6.8 | 5 |
| 05298 | Toluene | 108-88-3 | 1.8 | J | 1.0 | 6.8 | J | 3.8 | 5 |

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# Analysis Report



**Sample Description: MP09 Summa Can #856 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6411711**
**LLI Group # 1267255**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/16/2011 11:31 by NW

Submitted: 09/20/2011 09:50
Reported: 09/28/2011 16:17

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 5,200 | | 200 | 28,000 | | 1,100 | 1000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 1.0 | N.D. | | 5.5 | 5 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 1.0 | N.D. | | 5.4 | 5 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 1.2 | J | 1.0 | 7.0 | J | 5.6 | 5 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 1.0 | N.D. | | 6.0 | 5 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 1.0 | N.D. | | 4.9 | 5 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 1.0 | N.D. | | 4.9 | 5 |
| 05298 | Vinyl Chloride | 75-01-4 | 4.7 | J | 1.0 | 12 | J | 2.6 | 5 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 1.0 | N.D. | | 4.3 | 5 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 1.0 | N.D. | | 4.3 | 5 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1126430AB | 09/22/2011 13:37 | Michael A Ziegler | 5 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1126430AC | 09/23/2011 07:13 | Michael A Ziegler | 1000 |

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# Analysis Report



**Sample Description: MP06 Summa Can #891 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6411712**
**LLI Group # 1267255**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/16/2011 11:17 by NW

Submitted: 09/20/2011 09:50
Reported: 09/28/2011 16:17

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 32 | | 2.5 | 76 | | 5.9 | 5 |
| 05298 | Benzene | 71-43-2 | N.D. | | 1.0 | N.D. | | 3.2 | 5 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 1.0 | N.D. | | 6.4 | 5 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 1.0 | N.D. | | 6.7 | 5 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 1.0 | N.D. | | 10 | 5 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 1.0 | N.D. | | 3.9 | 5 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 2.5 | N.D. | | 5.5 | 5 |
| 05298 | 2-Butanone | 78-93-3 | 12 | | 2.5 | 35 | | 7.4 | 5 |
| 05298 | Carbon Disulfide | 75-15-0 | 2.2 | J | 1.0 | 7.0 | J | 3.1 | 5 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 1.0 | N.D. | | 6.3 | 5 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 1.0 | N.D. | | 4.6 | 5 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 1.1 | J | 1.0 | 3.7 | J | 3.5 | 5 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 1.0 | N.D. | | 2.6 | 5 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 1.0 | N.D. | | 4.9 | 5 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 1.0 | N.D. | | 2.1 | 5 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 1.0 | N.D. | | 3.1 | 5 |
| 05298 | Cumene | 98-82-8 | N.D. | | 1.0 | N.D. | | 4.9 | 5 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 1.0 | N.D. | | 8.5 | 5 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 1.0 | N.D. | | 7.7 | 5 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 1.0 | N.D. | | 7.1 | 5 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 1.0 | N.D. | | 6.0 | 5 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 1.0 | N.D. | | 6.0 | 5 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 1.0 | N.D. | | 6.0 | 5 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 1.0 | N.D. | | 4.9 | 5 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 14 | | 1.0 | 58 | | 4.0 | 5 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 1.0 | N.D. | | 4.0 | 5 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 220 | | 1.0 | 880 | | 4.0 | 5 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 1.0 | N.D. | | 4.0 | 5 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 1.0 | N.D. | | 4.0 | 5 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 1.0 | N.D. | | 4.2 | 5 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 1.0 | N.D. | | 4.6 | 5 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 1.0 | N.D. | | 4.5 | 5 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 1.0 | N.D. | | 4.5 | 5 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 1.0 | N.D. | | 4.3 | 5 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 1.0 | N.D. | | 4.9 | 5 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 2.5 | N.D. | | 19 | 5 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 1.0 | N.D. | | 7.0 | 5 |
| 05298 | Heptane | 142-82-5 | N.D. | | 1.0 | N.D. | | 4.1 | 5 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 1.0 | N.D. | | 9.7 | 5 |
| 05298 | Hexane | 110-54-3 | N.D. | | 1.0 | N.D. | | 3.5 | 5 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 2.5 | N.D. | | 10 | 5 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 1.0 | N.D. | | 4.7 | 5 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 1.0 | N.D. | | 3.6 | 5 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 2.5 | N.D. | | 10 | 5 |
| 05298 | Methylene Chloride | 75-09-2 | 2.7 | J | 1.0 | 9.2 | J | 3.5 | 5 |
| 05298 | Octane | 111-65-9 | N.D. | | 1.0 | N.D. | | 4.7 | 5 |
| 05298 | Pentane | 109-66-0 | 1.2 | J | 1.0 | 3.6 | J | 3.0 | 5 |
| 05298 | Styrene | 100-42-5 | N.D. | | 1.0 | N.D. | | 4.3 | 5 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 1.0 | N.D. | | 6.9 | 5 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 1.0 | N.D. | | 6.9 | 5 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 1.0 | N.D. | | 6.8 | 5 |
| 05298 | Toluene | 108-88-3 | 120 | | 1.0 | 470 | | 3.8 | 5 |

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# Analysis Report



**Sample Description: MP06 Summa Can #891 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6411712**
**LLI Group # 1267255**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/16/2011 11:17 by NW

Submitted: 09/20/2011 09:50
Reported: 09/28/2011 16:17

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 2,500 | | 200 | 14,000 | | 1,100 | 1000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 1.0 | N.D. | | 5.5 | 5 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 1.0 | N.D. | | 5.4 | 5 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 4.1 | J | 1.0 | 23 | J | 5.6 | 5 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 1.0 | N.D. | | 6.0 | 5 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 1.0 | N.D. | | 4.9 | 5 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 1.0 | N.D. | | 4.9 | 5 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 1.0 | N.D. | | 2.6 | 5 |
| 05298 | m/p-Xylene | 179601-23-1 | 1.4 | J | 1.0 | 5.9 | J | 4.3 | 5 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 1.0 | N.D. | | 4.3 | 5 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1126430AB | 09/22/2011 14:21 | Michael A Ziegler | 5 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1126430AC | 09/23/2011 07:56 | Michael A Ziegler | 1000 |

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# Analysis Report



**Sample Description: VW5 Summa Can #106 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6411713**
**LLI Group # 1267255**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/16/2011 12:17 by NW

Submitted: 09/20/2011 09:50
Reported: 09/28/2011 16:17

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 150,000 | | 5,000 | 360,000 | | 12,000 | 10000 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2,000 | N.D. | | 6,400 | 10000 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2,000 | N.D. | | 13,000 | 10000 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2,000 | N.D. | | 13,000 | 10000 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2,000 | N.D. | | 21,000 | 10000 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2,000 | N.D. | | 7,800 | 10000 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5,000 | N.D. | | 11,000 | 10000 |
| 05298 | 2-Butanone | 78-93-3 | 51,000 | | 5,000 | 150,000 | | 15,000 | 10000 |
| 05298 | Carbon Disulfide | 75-15-0 | 44,000 | | 2,000 | 140,000 | | 6,200 | 10000 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2,000 | N.D. | | 13,000 | 10000 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2,000 | N.D. | | 9,200 | 10000 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 5,300 | J | 2,000 | 19,000 | J | 7,100 | 10000 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2,000 | N.D. | | 5,300 | 10000 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2,000 | N.D. | | 9,800 | 10000 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2,000 | N.D. | | 4,100 | 10000 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2,000 | N.D. | | 6,300 | 10000 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2,000 | N.D. | | 9,800 | 10000 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2,000 | N.D. | | 17,000 | 10000 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2,000 | N.D. | | 15,000 | 10000 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2,000 | N.D. | | 14,000 | 10000 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2,000 | N.D. | | 12,000 | 10000 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2,000 | N.D. | | 12,000 | 10000 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2,000 | N.D. | | 12,000 | 10000 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2,000 | N.D. | | 9,900 | 10000 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 4,000 | J | 2,000 | 16,000 | J | 8,100 | 10000 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 3,300 | J | 2,000 | 14,000 | J | 8,100 | 10000 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 460,000 | | 2,000 | 1,800,000 | | 7,900 | 10000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2,000 | N.D. | | 7,900 | 10000 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2,000 | N.D. | | 7,900 | 10000 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2,000 | N.D. | | 8,400 | 10000 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2,000 | N.D. | | 9,200 | 10000 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2,000 | N.D. | | 9,100 | 10000 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2,000 | N.D. | | 9,100 | 10000 |
| 05298 | Ethylbenzene | 100-41-4 | 3,200 | J | 2,000 | 14,000 | J | 8,700 | 10000 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2,000 | N.D. | | 9,800 | 10000 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5,000 | N.D. | | 38,000 | 10000 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2,000 | N.D. | | 14,000 | 10000 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2,000 | N.D. | | 8,200 | 10000 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2,000 | N.D. | | 19,000 | 10000 |
| 05298 | Hexane | 110-54-3 | 11,000 | | 2,000 | 38,000 | | 7,000 | 10000 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5,000 | N.D. | | 20,000 | 10000 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2,000 | N.D. | | 9,300 | 10000 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2,000 | N.D. | | 7,200 | 10000 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5,000 | N.D. | | 20,000 | 10000 |
| 05298 | Methylene Chloride | 75-09-2 | 54,000 | | 2,000 | 190,000 | | 6,900 | 10000 |
| 05298 | Octane | 111-65-9 | N.D. | | 2,000 | N.D. | | 9,300 | 10000 |
| 05298 | Pentane | 109-66-0 | 11,000 | | 2,000 | 33,000 | | 5,900 | 10000 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2,000 | N.D. | | 8,500 | 10000 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2,000 | N.D. | | 14,000 | 10000 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2,000 | N.D. | | 14,000 | 10000 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2,000 | N.D. | | 14,000 | 10000 |
| 05298 | Toluene | 108-88-3 | 24,000 | | 2,000 | 92,000 | | 7,500 | 10000 |

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# Analysis Report



**Sample Description: VW5 Summa Can #106 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6411713**
**LLI Group # 1267255**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/16/2011 12:17 by NW

Submitted: 09/20/2011 09:50
Reported: 09/28/2011 16:17

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 11,000 | | 2,000 | 58,000 | | 11,000 | 10000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2,000 | N.D. | | 11,000 | 10000 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 2,000 | N.D. | | 11,000 | 10000 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 2,500 | J | 2,000 | 14,000 | J | 11,000 | 10000 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2,000 | N.D. | | 12,000 | 10000 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2,000 | N.D. | | 9,800 | 10000 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2,000 | N.D. | | 9,800 | 10000 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 2,000 | N.D. | | 5,100 | 10000 |
| 05298 | m/p-Xylene | 179601-23-1 | 2,600 | J | 2,000 | 11,000 | J | 8,700 | 10000 |
| 05298 | o-Xylene | 95-47-6 | 3,000 | J | 2,000 | 13,000 | J | 8,700 | 10000 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1126430AC | 09/23/2011 08:41 | Michael A Ziegler | 10000 |

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# Analysis Report



**Sample Description: MP3 Summa Can #1031 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6411714**
**LLI Group # 1267255**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/16/2011 11:15 by NW

Submitted: 09/20/2011 09:50
Reported: 09/28/2011 16:17

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 790 | | 50 | 1,900 | | 120 | 100 |
| 05298 | Benzene | 71-43-2 | N.D. | | 20 | N.D. | | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 50 | N.D. | | 110 | 100 |
| 05298 | 2-Butanone | 78-93-3 | 110 | J | 50 | 330 | J | 150 | 100 |
| 05298 | Carbon Disulfide | 75-15-0 | 310 | | 20 | 970 | | 62 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 48 | J | 20 | 170 | J | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 20 | N.D. | | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 20 | N.D. | | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 20 | N.D. | | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 120 | | 20 | 500 | | 81 | 100 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 21 | J | 20 | 86 | J | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 2,300 | | 20 | 9,000 | | 79 | 100 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | 42 | J | 20 | 180 | J | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | N.D. | | 20 | N.D. | | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | 96 | J | 20 | 340 | J | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 250 | | 20 | 870 | | 69 | 100 |
| 05298 | Octane | 111-65-9 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Pentane | 109-66-0 | 75 | J | 20 | 220 | J | 59 | 100 |
| 05298 | Styrene | 100-42-5 | N.D. | | 20 | N.D. | | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Toluene | 108-88-3 | 1,200 | | 20 | 4,400 | | 75 | 100 |

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# Analysis Report



**Sample Description: MP3 Summa Can #1031 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6411714**
**LLI Group # 1267255**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/16/2011 11:15 by NW

Submitted: 09/20/2011 09:50
Reported: 09/28/2011 16:17

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 7,300 | | 20 | 40,000 | | 110 | 100 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 20 | N.D. | | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | 26 | J | 20 | 110 | J | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | 40 | J | 20 | 170 | J | 87 | 100 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1126430AC | 09/23/2011 03:30 | Michael A Ziegler | 100 |

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# Analysis Report



**Sample Description: VW3 Summa Can #1077 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6411715**
**LLI Group # 1267255**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/16/2011 11:59 by NW

Submitted: 09/20/2011 09:50
Reported: 09/28/2011 16:17

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 4,700 | | 50 | 11,000 | | 120 | 100 |
| 05298 | Benzene | 71-43-2 | N.D. | | 20 | N.D. | | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 50 | N.D. | | 110 | 100 |
| 05298 | 2-Butanone | 78-93-3 | 2,200 | | 50 | 6,300 | | 150 | 100 |
| 05298 | Carbon Disulfide | 75-15-0 | 330 | | 20 | 1,000 | | 62 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 43 | J | 20 | 150 | J | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 20 | N.D. | | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 20 | N.D. | | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 20 | N.D. | | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | N.D. | | 20 | N.D. | | 81 | 100 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 20 | N.D. | | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 470 | | 20 | 1,900 | | 79 | 100 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | 25 | J | 20 | 110 | J | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | N.D. | | 20 | N.D. | | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | 110 | | 20 | 370 | | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 600 | | 20 | 2,100 | | 69 | 100 |
| 05298 | Octane | 111-65-9 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Pentane | 109-66-0 | 97 | J | 20 | 290 | J | 59 | 100 |
| 05298 | Styrene | 100-42-5 | N.D. | | 20 | N.D. | | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Toluene | 108-88-3 | 180 | | 20 | 700 | | 75 | 100 |

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# Analysis Report



**Sample Description: VW3 Summa Can #1077 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6411715**
**LLI Group # 1267255**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/16/2011 11:59 by NW

Submitted: 09/20/2011 09:50
Reported: 09/28/2011 16:17

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 170 | | 20 | 940 | | 110 | 100 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 20 | N.D. | | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 20 | N.D. | | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | 27 | J | 20 | 120 | J | 87 | 100 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1126430AC | 09/23/2011 04:15 | Michael A Ziegler | 100 |

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# Analysis Report



**Sample Description: MP08 Summa Can #880 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6411716**
**LLI Group # 1267255**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/16/2011 11:22 by NW

Submitted: 09/20/2011 09:50
Reported: 09/28/2011 16:17

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 11 | J | 10 | 27 | J | 24 | 20 |
| 05298 | Benzene | 71-43-2 | N.D. | | 4.0 | N.D. | | 13 | 20 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 4.0 | N.D. | | 26 | 20 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 4.0 | N.D. | | 41 | 20 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 10 | N.D. | | 22 | 20 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 10 | N.D. | | 29 | 20 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 4.0 | N.D. | | 12 | 20 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 4.0 | N.D. | | 25 | 20 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 4.0 | N.D. | | 11 | 20 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 4.0 | N.D. | | 8.3 | 20 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 4.0 | N.D. | | 13 | 20 |
| 05298 | Cumene | 98-82-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 4.0 | N.D. | | 34 | 20 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 4.0 | N.D. | | 31 | 20 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 4.0 | N.D. | | 28 | 20 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 1,900 | | 4.0 | 7,600 | | 16 | 20 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 10 | N.D. | | 77 | 20 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 4.0 | N.D. | | 28 | 20 |
| 05298 | Heptane | 142-82-5 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 4.0 | N.D. | | 39 | 20 |
| 05298 | Hexane | 110-54-3 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 10 | N.D. | | 41 | 20 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 4.0 | N.D. | | 19 | 20 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 10 | N.D. | | 41 | 20 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | Octane | 111-65-9 | N.D. | | 4.0 | N.D. | | 19 | 20 |
| 05298 | Pentane | 109-66-0 | N.D. | | 4.0 | N.D. | | 12 | 20 |
| 05298 | Styrene | 100-42-5 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Toluene | 108-88-3 | 7.6 | J | 4.0 | 29 | J | 15 | 20 |

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# Analysis Report



**Sample Description: MP08 Summa Can #880 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6411716**
**LLI Group # 1267255**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/16/2011 11:22 by NW

Submitted: 09/20/2011 09:50
Reported: 09/28/2011 16:17

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 100 | | 4.0 | 570 | | 22 | 20 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 4.0 | N.D. | | 22 | 20 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 4.0 | N.D. | | 21 | 20 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 9.5 | J | 4.0 | 53 | J | 22 | 20 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 4.0 | N.D. | | 10 | 20 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 4.0 | N.D. | | 17 | 20 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1126430AC | 09/23/2011 04:58 | Michael A Ziegler | 20 |

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# Analysis Report



**Sample Description: MP64 Summa Can #095 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6411717**
**LLI Group # 1267255**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/16/2011 12:11 by NW

Submitted: 09/20/2011 09:50
Reported: 09/28/2011 16:17

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 120,000 | | 5,000 | 280,000 | | 12,000 | 10000 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2,000 | N.D. | | 6,400 | 10000 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2,000 | N.D. | | 13,000 | 10000 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2,000 | N.D. | | 13,000 | 10000 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2,000 | N.D. | | 21,000 | 10000 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2,000 | N.D. | | 7,800 | 10000 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5,000 | N.D. | | 11,000 | 10000 |
| 05298 | 2-Butanone | 78-93-3 | 30,000 | | 5,000 | 89,000 | | 15,000 | 10000 |
| 05298 | Carbon Disulfide | 75-15-0 | 36,000 | | 2,000 | 110,000 | | 6,200 | 10000 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2,000 | N.D. | | 13,000 | 10000 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2,000 | N.D. | | 9,200 | 10000 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 4,400 | J | 2,000 | 16,000 | J | 7,100 | 10000 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2,000 | N.D. | | 5,300 | 10000 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2,000 | N.D. | | 9,800 | 10000 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2,000 | N.D. | | 4,100 | 10000 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2,000 | N.D. | | 6,300 | 10000 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2,000 | N.D. | | 9,800 | 10000 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2,000 | N.D. | | 17,000 | 10000 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2,000 | N.D. | | 15,000 | 10000 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2,000 | N.D. | | 14,000 | 10000 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2,000 | N.D. | | 12,000 | 10000 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2,000 | N.D. | | 12,000 | 10000 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2,000 | N.D. | | 12,000 | 10000 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2,000 | N.D. | | 9,900 | 10000 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 2,900 | J | 2,000 | 12,000 | J | 8,100 | 10000 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 2,100 | J | 2,000 | 8,600 | J | 8,100 | 10000 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 100,000 | | 2,000 | 400,000 | | 7,900 | 10000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2,000 | N.D. | | 7,900 | 10000 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2,000 | N.D. | | 7,900 | 10000 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2,000 | N.D. | | 8,400 | 10000 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2,000 | N.D. | | 9,200 | 10000 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2,000 | N.D. | | 9,100 | 10000 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2,000 | N.D. | | 9,100 | 10000 |
| 05298 | Ethylbenzene | 100-41-4 | 4,400 | J | 2,000 | 19,000 | J | 8,700 | 10000 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2,000 | N.D. | | 9,800 | 10000 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5,000 | N.D. | | 38,000 | 10000 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2,000 | N.D. | | 14,000 | 10000 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2,000 | N.D. | | 8,200 | 10000 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2,000 | N.D. | | 19,000 | 10000 |
| 05298 | Hexane | 110-54-3 | 8,800 | J | 2,000 | 31,000 | J | 7,000 | 10000 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5,000 | N.D. | | 20,000 | 10000 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2,000 | N.D. | | 9,300 | 10000 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2,000 | N.D. | | 7,200 | 10000 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5,000 | N.D. | | 20,000 | 10000 |
| 05298 | Methylene Chloride | 75-09-2 | 63,000 | | 2,000 | 220,000 | | 6,900 | 10000 |
| 05298 | Octane | 111-65-9 | N.D. | | 2,000 | N.D. | | 9,300 | 10000 |
| 05298 | Pentane | 109-66-0 | 12,000 | | 2,000 | 34,000 | | 5,900 | 10000 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2,000 | N.D. | | 8,500 | 10000 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2,000 | N.D. | | 14,000 | 10000 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2,000 | N.D. | | 14,000 | 10000 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2,000 | N.D. | | 14,000 | 10000 |
| 05298 | Toluene | 108-88-3 | 24,000 | | 2,000 | 89,000 | | 7,500 | 10000 |

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# Analysis Report



**Sample Description: MP64 Summa Can #095 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6411717**
**LLI Group # 1267255**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/16/2011 12:11 by NW

Submitted: 09/20/2011 09:50
Reported: 09/28/2011 16:17

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 44,000 | | 2,000 | 240,000 | | 11,000 | 10000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2,000 | N.D. | | 11,000 | 10000 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 2,000 | N.D. | | 11,000 | 10000 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 2,000 | N.D. | | 11,000 | 10000 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2,000 | N.D. | | 12,000 | 10000 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2,000 | N.D. | | 9,800 | 10000 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2,000 | N.D. | | 9,800 | 10000 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 2,000 | N.D. | | 5,100 | 10000 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 2,000 | N.D. | | 8,700 | 10000 |
| 05298 | o-Xylene | 95-47-6 | 4,400 | J | 2,000 | 19,000 | J | 8,700 | 10000 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1126430AC | 09/23/2011 05:44 | Michael A Ziegler | 10000 |

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# Analysis Report



**Sample Description: MP07 Summa Can #102 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6411718**
**LLI Group # 1267255**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/16/2011 11:20 by NW

Submitted: 09/20/2011 09:50
Reported: 09/28/2011 16:17

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 130 | | 10 | 310 | | 24 | 20 |
| 05298 | Benzene | 71-43-2 | N.D. | | 4.0 | N.D. | | 13 | 20 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 4.0 | N.D. | | 26 | 20 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 4.0 | N.D. | | 41 | 20 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 10 | N.D. | | 22 | 20 |
| 05298 | 2-Butanone | 78-93-3 | 33 | J | 10 | 98 | J | 29 | 20 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 4.0 | N.D. | | 12 | 20 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 4.0 | N.D. | | 25 | 20 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 4.0 | N.D. | | 11 | 20 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 4.0 | N.D. | | 8.3 | 20 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 4.0 | N.D. | | 13 | 20 |
| 05298 | Cumene | 98-82-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 4.0 | N.D. | | 34 | 20 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 4.0 | N.D. | | 31 | 20 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 4.0 | N.D. | | 28 | 20 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 74 | | 4.0 | 300 | | 16 | 20 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 5,200 | | 20 | 21,000 | | 79 | 100 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 10 | N.D. | | 77 | 20 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 4.0 | N.D. | | 28 | 20 |
| 05298 | Heptane | 142-82-5 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 4.0 | N.D. | | 39 | 20 |
| 05298 | Hexane | 110-54-3 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 10 | N.D. | | 41 | 20 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 4.0 | N.D. | | 19 | 20 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 10 | N.D. | | 41 | 20 |
| 05298 | Methylene Chloride | 75-09-2 | 11 | J | 4.0 | 38 | J | 14 | 20 |
| 05298 | Octane | 111-65-9 | N.D. | | 4.0 | N.D. | | 19 | 20 |
| 05298 | Pentane | 109-66-0 | 6.2 | J | 4.0 | 18 | J | 12 | 20 |
| 05298 | Styrene | 100-42-5 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Toluene | 108-88-3 | 330 | | 4.0 | 1,300 | | 15 | 20 |

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# Analysis Report



**Sample Description: MP07 Summa Can #102 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6411718**
**LLI Group # 1267255**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/16/2011 11:20 by NW

Submitted: 09/20/2011 09:50
Reported: 09/28/2011 16:17

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 2,300 | | 20 | 13,000 | | 110 | 100 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 4.0 | N.D. | | 22 | 20 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 4.0 | N.D. | | 21 | 20 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 9.9 | J | 4.0 | 56 | J | 22 | 20 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 4.0 | N.D. | | 10 | 20 |
| 05298 | m/p-Xylene | 179601-23-1 | 5.6 | J | 4.0 | 24 | J | 17 | 20 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 4.0 | N.D. | | 17 | 20 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1126430AD | 09/25/2011 20:57 | Michael A Ziegler | 20 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1126430AD | 09/25/2011 22:25 | Michael A Ziegler | 100 |

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# Analysis Report



**Sample Description: VW6 Summa Can #1021 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6411719**
**LLI Group # 1267255**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/16/2011 12:05 by NW

Submitted: 09/20/2011 09:50
Reported: 09/28/2011 16:17

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 17,000 | | 500 | 39,000 | | 1,200 | 1000 |
| 05298 | Benzene | 71-43-2 | N.D. | | 200 | N.D. | | 640 | 1000 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 200 | N.D. | | 2,100 | 1000 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 200 | N.D. | | 780 | 1000 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 500 | N.D. | | 1,100 | 1000 |
| 05298 | 2-Butanone | 78-93-3 | 7,300 | | 500 | 22,000 | | 1,500 | 1000 |
| 05298 | Carbon Disulfide | 75-15-0 | 240 | J | 200 | 740 | J | 620 | 1000 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 200 | N.D. | | 710 | 1000 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 200 | N.D. | | 530 | 1000 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 200 | N.D. | | 410 | 1000 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 200 | N.D. | | 630 | 1000 |
| 05298 | Cumene | 98-82-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 200 | N.D. | | 1,700 | 1000 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 200 | N.D. | | 1,500 | 1000 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 200 | N.D. | | 990 | 1000 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 960 | J | 200 | 3,900 | J | 810 | 1000 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 200 | N.D. | | 810 | 1000 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 41,000 | | 200 | 160,000 | | 790 | 1000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 200 | N.D. | | 840 | 1000 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | Ethylbenzene | 100-41-4 | 450 | J | 200 | 1,900 | J | 870 | 1000 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 500 | N.D. | | 3,800 | 1000 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Heptane | 142-82-5 | N.D. | | 200 | N.D. | | 820 | 1000 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 200 | N.D. | | 1,900 | 1000 |
| 05298 | Hexane | 110-54-3 | N.D. | | 200 | N.D. | | 700 | 1000 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 200 | N.D. | | 720 | 1000 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Methylene Chloride | 75-09-2 | 1,100 | | 200 | 3,700 | | 690 | 1000 |
| 05298 | Octane | 111-65-9 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Pentane | 109-66-0 | N.D. | | 200 | N.D. | | 590 | 1000 |
| 05298 | Styrene | 100-42-5 | N.D. | | 200 | N.D. | | 850 | 1000 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Toluene | 108-88-3 | 1,200 | | 200 | 4,500 | | 750 | 1000 |

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# Analysis Report



**Sample Description: VW6 Summa Can #1021 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6411719**
**LLI Group # 1267255**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/16/2011 12:05 by NW

Submitted: 09/20/2011 09:50
Reported: 09/28/2011 16:17

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 21,000 | | 200 | 110,000 | | 1,100 | 1000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 200 | N.D. | | 1,100 | 1000 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 200 | N.D. | | 1,100 | 1000 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 200 | N.D. | | 1,100 | 1000 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 200 | N.D. | | 510 | 1000 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 200 | N.D. | | 870 | 1000 |
| 05298 | o-Xylene | 95-47-6 | 810 | J | 200 | 3,500 | J | 870 | 1000 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1126430AB | 09/22/2011 19:39 | Michael A Ziegler | 1000 |

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# Analysis Report



**Sample Description: MP11 Summa Can #135 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6411720**
**LLI Group # 1267255**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/16/2011 11:37 by NW

Submitted: 09/20/2011 09:50
Reported: 09/28/2011 16:17

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 1,100 | | 50 | 2,500 | | 120 | 100 |
| 05298 | Benzene | 71-43-2 | N.D. | | 20 | N.D. | | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 50 | N.D. | | 110 | 100 |
| 05298 | 2-Butanone | 78-93-3 | 190 | J | 50 | 550 | J | 150 | 100 |
| 05298 | Carbon Disulfide | 75-15-0 | 380 | | 20 | 1,200 | | 62 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 51 | J | 20 | 180 | J | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 20 | N.D. | | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 20 | N.D. | | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 20 | N.D. | | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 42 | J | 20 | 170 | J | 81 | 100 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 23 | J | 20 | 95 | J | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 1,400 | | 20 | 5,700 | | 79 | 100 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | 210 | | 20 | 930 | | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | N.D. | | 20 | N.D. | | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | 97 | J | 20 | 340 | J | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 430 | | 20 | 1,500 | | 69 | 100 |
| 05298 | Octane | 111-65-9 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Pentane | 109-66-0 | 100 | J | 20 | 290 | J | 59 | 100 |
| 05298 | Styrene | 100-42-5 | N.D. | | 20 | N.D. | | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Toluene | 108-88-3 | 310 | | 20 | 1,200 | | 75 | 100 |

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# Analysis Report



**Sample Description: MP11 Summa Can #135 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6411720**
**LLI Group # 1267255**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/16/2011 11:37 by NW

Submitted: 09/20/2011 09:50
Reported: 09/28/2011 16:17

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 1,200 | | 20 | 6,400 | | 110 | 100 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 20 | N.D. | | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | 20 | J | 20 | 87 | J | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | 310 | | 20 | 1,300 | | 87 | 100 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1126430AC | 09/23/2011 01:14 | Michael A Ziegler | 100 |

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# Analysis Report



**Sample Description: MP02 Summa Can #158 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6411721**
**LLI Group # 1267255**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/16/2011 11:36 by NW

Submitted: 09/20/2011 09:50
Reported: 09/28/2011 16:17

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 1,000 | | 50 | 2,400 | | 120 | 100 |
| 05298 | Benzene | 71-43-2 | N.D. | | 20 | N.D. | | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 50 | N.D. | | 110 | 100 |
| 05298 | 2-Butanone | 78-93-3 | 330 | | 50 | 970 | | 150 | 100 |
| 05298 | Carbon Disulfide | 75-15-0 | 100 | | 20 | 320 | | 62 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 30 | J | 20 | 110 | J | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 20 | N.D. | | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 20 | N.D. | | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 20 | N.D. | | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 91 | J | 20 | 370 | J | 81 | 100 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 20 | N.D. | | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 2,200 | | 20 | 8,700 | | 79 | 100 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | 340 | | 20 | 1,500 | | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | N.D. | | 20 | N.D. | | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | 39 | J | 20 | 140 | J | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 360 | | 20 | 1,300 | | 69 | 100 |
| 05298 | Octane | 111-65-9 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Pentane | 109-66-0 | 70 | J | 20 | 210 | J | 59 | 100 |
| 05298 | Styrene | 100-42-5 | N.D. | | 20 | N.D. | | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Toluene | 108-88-3 | 130 | | 20 | 510 | | 75 | 100 |

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# Analysis Report



**Sample Description: MP02 Summa Can #158 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6411721**
**LLI Group # 1267255**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/16/2011 11:36 by NW

Submitted: 09/20/2011 09:50
Reported: 09/28/2011 16:17

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 1,200 | 20 | 6,400 | 110 | 100 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 20 | N.D. | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 20 | N.D. | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 20 | N.D. | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 20 | N.D. | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 20 | N.D. | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 20 | N.D. | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 20 | N.D. | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 20 | N.D. | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | 490 | 20 | 2,100 | 87 | 100 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1126430AB | 09/22/2011 21:10 | Michael A Ziegler | 100 |

Lancaster Laboratories

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# Analysis Report



**Sample Description: MP10 Summa Can #534 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6411722**
**LLI Group # 1267255**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/16/2011 11:33 by NW

Submitted: 09/20/2011 09:50
Reported: 09/28/2011 16:17

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 82 | | 1.0 | 190 | | 2.4 | 2 |
| 05298 | Benzene | 71-43-2 | 0.60 | J | 0.40 | 1.9 | J | 1.3 | 2 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.40 | N.D. | | 2.6 | 2 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.40 | N.D. | | 2.7 | 2 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.40 | N.D. | | 4.1 | 2 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.40 | N.D. | | 1.6 | 2 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 1.0 | N.D. | | 2.2 | 2 |
| 05298 | 2-Butanone | 78-93-3 | 38 | | 1.0 | 110 | | 2.9 | 2 |
| 05298 | Carbon Disulfide | 75-15-0 | 0.65 | J | 0.40 | 2.0 | J | 1.2 | 2 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.40 | N.D. | | 2.5 | 2 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.40 | N.D. | | 1.8 | 2 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 0.98 | J | 0.40 | 3.5 | J | 1.4 | 2 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.40 | N.D. | | 1.1 | 2 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.40 | N.D. | | 2.0 | 2 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 0.40 | N.D. | | 0.83 | 2 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.40 | N.D. | | 1.3 | 2 |
| 05298 | Cumene | 98-82-8 | N.D. | | 0.40 | N.D. | | 2.0 | 2 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.40 | N.D. | | 3.4 | 2 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.40 | N.D. | | 3.1 | 2 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.40 | N.D. | | 2.8 | 2 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.40 | N.D. | | 2.4 | 2 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.40 | N.D. | | 2.4 | 2 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.40 | N.D. | | 2.4 | 2 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.58 | J | 0.40 | 2.8 | J | 2.0 | 2 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 8.9 | | 0.40 | 36 | | 1.6 | 2 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.40 | N.D. | | 1.6 | 2 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 110 | | 0.40 | 440 | | 1.6 | 2 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.40 | N.D. | | 1.6 | 2 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.40 | N.D. | | 1.6 | 2 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.40 | N.D. | | 1.7 | 2 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.40 | N.D. | | 1.8 | 2 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.40 | N.D. | | 1.8 | 2 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.40 | N.D. | | 1.8 | 2 |
| 05298 | Ethylbenzene | 100-41-4 | 0.51 | J | 0.40 | 2.2 | J | 1.7 | 2 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.40 | N.D. | | 2.0 | 2 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 1.0 | N.D. | | 7.7 | 2 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.40 | N.D. | | 2.8 | 2 |
| 05298 | Heptane | 142-82-5 | 0.74 | J | 0.40 | 3.0 | J | 1.6 | 2 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.40 | N.D. | | 3.9 | 2 |
| 05298 | Hexane | 110-54-3 | 3.0 | | 0.40 | 11 | | 1.4 | 2 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 1.0 | N.D. | | 4.1 | 2 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.40 | N.D. | | 1.9 | 2 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.40 | N.D. | | 1.4 | 2 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 1.0 | N.D. | | 4.1 | 2 |
| 05298 | Methylene Chloride | 75-09-2 | 8.3 | | 0.40 | 29 | | 1.4 | 2 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.40 | N.D. | | 1.9 | 2 |
| 05298 | Pentane | 109-66-0 | 66 | | 0.40 | 190 | | 1.2 | 2 |
| 05298 | Styrene | 100-42-5 | 0.64 | J | 0.40 | 2.7 | J | 1.7 | 2 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.40 | N.D. | | 2.7 | 2 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.40 | N.D. | | 2.7 | 2 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 0.40 | N.D. | | 2.7 | 2 |
| 05298 | Toluene | 108-88-3 | 15 | | 0.40 | 57 | | 1.5 | 2 |

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# Analysis Report



**Sample Description: MP10 Summa Can #534 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6411722**
**LLI Group # 1267255**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/16/2011 11:33 by NW

Submitted: 09/20/2011 09:50
Reported: 09/28/2011 16:17

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 93 | | 0.40 | 510 | | 2.2 | 2 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.40 | N.D. | | 2.2 | 2 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.40 | N.D. | | 2.1 | 2 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 4.9 | | 0.40 | 27 | | 2.2 | 2 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.40 | N.D. | | 2.4 | 2 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 0.57 | J | 0.40 | 2.8 | J | 2.0 | 2 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.40 | N.D. | | 2.0 | 2 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.40 | N.D. | | 1.0 | 2 |
| 05298 | m/p-Xylene | 179601-23-1 | 1.5 | J | 0.40 | 6.5 | J | 1.7 | 2 |
| 05298 | o-Xylene | 95-47-6 | 0.58 | J | 0.40 | 2.5 | J | 1.7 | 2 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1126430AD | 09/25/2011 23:07 | Michael A Ziegler | 2 |

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# Analysis Report



**Sample Description: Undiluted1 Summa Can #145 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6411723**
**LLI Group # 1267255**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/16/2011 11:39 by NW

Submitted: 09/20/2011 09:50
Reported: 09/28/2011 16:17

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 900 | | 50 | 2,100 | | 120 | 100 |
| 05298 | Benzene | 71-43-2 | N.D. | | 20 | N.D. | | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 50 | N.D. | | 110 | 100 |
| 05298 | 2-Butanone | 78-93-3 | 97 | J | 50 | 290 | J | 150 | 100 |
| 05298 | Carbon Disulfide | 75-15-0 | 340 | | 20 | 1,100 | | 62 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 71 | J | 20 | 250 | J | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 20 | N.D. | | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 20 | N.D. | | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 20 | N.D. | | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 54 | J | 20 | 220 | J | 81 | 100 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 21 | J | 20 | 86 | J | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 2,000 | | 20 | 8,100 | | 79 | 100 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | 91 | J | 20 | 390 | J | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | N.D. | | 20 | N.D. | | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | 87 | J | 20 | 310 | J | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 370 | | 20 | 1,300 | | 69 | 100 |
| 05298 | Octane | 111-65-9 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Pentane | 109-66-0 | 130 | | 20 | 390 | | 59 | 100 |
| 05298 | Styrene | 100-42-5 | N.D. | | 20 | N.D. | | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Toluene | 108-88-3 | 560 | | 20 | 2,100 | | 75 | 100 |

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# Analysis Report



**Sample Description: Undiluted1 Summa Can #145 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6411723**
**LLI Group # 1267255**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/16/2011 11:39 by NW

Submitted: 09/20/2011 09:50
Reported: 09/28/2011 16:17

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 3,300 | | 20 | 18,000 | | 110 | 100 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 28 | J | 20 | 160 | J | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 20 | N.D. | | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 20 | N.D. | | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | 91 | J | 20 | 400 | J | 87 | 100 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1126430AC | 09/23/2011 02:44 | Michael A Ziegler | 100 |

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# Analysis Report



**Sample Description: MP05 Summa Can #162 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6411724**
**LLI Group # 1267255**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/16/2011 11:09 by NW

Submitted: 09/20/2011 09:50
Reported: 09/28/2011 16:17

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 8.1 | | 0.50 | 19 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | N.D. | | 0.20 | N.D. | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 4.5 | | 0.50 | 13 | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 0.71 | J | 0.20 | 2.2 | J | 0.62 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 1.2 | | 0.20 | 4.3 | | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 0.20 | N.D. | | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 0.88 | J | 0.20 | 4.3 | J | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.61 | J | 0.20 | 3.0 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 170 | | 2.0 | 660 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 0.35 | J | 0.20 | 1.2 | J | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.34 | J | 0.20 | 1.0 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 0.25 | J | 0.20 | 0.94 | J | 0.75 | 1 |

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# Analysis Report



**Sample Description: MP05 Summa Can #162 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6411724**
**LLI Group # 1267255**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/16/2011 11:09 by NW

Submitted: 09/20/2011 09:50
Reported: 09/28/2011 16:17

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 0.58 | J | 0.20 | 3.1 | J | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 7.2 | | 0.20 | 41 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 0.45 | J | 0.20 | 2.2 | J | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 0.28 | J | 0.20 | 1.2 | J | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1126430AB | 09/22/2011 15:03 | Jeffrey B Smith | 1 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1126430AB | 09/22/2011 17:29 | Michael A Ziegler | 10 |

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# Analysis Report



**Sample Description: Blower Summa Can #012 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6411725**
**LLI Group # 1267255**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/16/2011 11:41 by NW

Submitted: 09/20/2011 09:50
Reported: 09/28/2011 16:17

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 20 | | 0.50 | 47 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | 0.34 | J | 0.20 | 1.1 | J | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 8.3 | | 0.50 | 24 | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 0.41 | J | 0.20 | 1.3 | J | 0.62 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | 0.24 | J | 0.20 | 1.5 | J | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 0.58 | J | 0.20 | 2.1 | J | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | 0.26 | J | 0.20 | 0.67 | J | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 0.80 | J | 0.20 | 1.6 | J | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 1.1 | | 0.20 | 5.4 | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.53 | J | 0.20 | 2.6 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 13 | | 0.20 | 53 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 0.55 | J | 0.20 | 2.2 | J | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 710 | | 4.0 | 2,800 | | 16 | 20 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 0.48 | J | 0.20 | 2.1 | J | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 1.3 | | 0.20 | 4.4 | | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.24 | J | 0.20 | 0.71 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 0.69 | J | 0.20 | 4.7 | J | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 120 | | 0.20 | 460 | | 0.75 | 20 |

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# Analysis Report



**Sample Description: Blower Summa Can #012 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6411725**
**LLI Group # 1267255**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/16/2011 11:41 by NW

Submitted: 09/20/2011 09:50
Reported: 09/28/2011 16:17

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 1,200 | | 4.0 | 6,300 | | 22 | 20 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | 0.32 | J | 0.20 | 1.7 | J | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 2.3 | | 0.20 | 13 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 2.1 | | 0.20 | 9.3 | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 0.59 | J | 0.20 | 2.6 | J | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1126430AB | 09/22/2011 15:47 | Jeffrey B Smith | 1 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1126430AB | 09/22/2011 18:12 | Jeffrey B Smith | 20 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1126430AB | 09/22/2011 18:12 | Michael A Ziegler | 20 |

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# Analysis Report



**Sample Description: MP04 Summa Can #138 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6411726**
**LLI Group # 1267255**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/16/2011 11:13 by NW

Submitted: 09/20/2011 09:50
Reported: 09/28/2011 16:17

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 9.8 | | 0.50 | 23 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | 0.32 | J | 0.20 | 1.0 | J | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 4.4 | | 0.50 | 13 | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 1.5 | | 0.20 | 4.6 | | 0.62 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 1.4 | | 0.20 | 5.0 | | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 0.20 | N.D. | | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 2.0 | | 0.20 | 10 | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.52 | J | 0.20 | 2.6 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 4.0 | | 0.20 | 16 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 200 | | 2.0 | 800 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 0.20 | J | 0.20 | 0.71 | J | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.34 | J | 0.20 | 1.0 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 0.27 | J | 0.20 | 1.8 | J | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | N.D. | | 0.20 | N.D. | | 0.75 | 1 |

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# Analysis Report



**Sample Description: MP04 Summa Can #138 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6411726**
**LLI Group # 1267255**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/16/2011 11:13 by NW

Submitted: 09/20/2011 09:50
Reported: 09/28/2011 16:17

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 1.1 | | 0.20 | 5.7 | | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 8.4 | | 0.20 | 47 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 0.47 | J | 0.20 | 2.3 | J | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | 0.52 | J | 0.20 | 1.3 | J | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1126430AB | 09/22/2011 16:32 | Jeffrey B Smith | 1 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1126430AB | 09/22/2011 18:55 | Michael A Ziegler | 10 |

## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1267255
Reported: 09/28/11 at 04:17 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

## Laboratory Compliance Quality Control

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: C1126430AB | Sample number(s): 6411719,6411721,6411724-6411726 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 101 | 104 | 56-144 | 3 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 98 | 104 | 70-130 | 6 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 110 | 107 | 73-132 | 3 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 116 | 113 | 65-135 | 3 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 97 | 104 | 70-130 | 7 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 91 | 102 | 65-138 | 12 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 95 | 97 | 63-135 | 3 | 25 |
| Carbon Disulfide | N.D. | 0.20 | ppb(v) | 77 | 84 | 59-112 | 8 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 125 | 114 | 70-130 | 9 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 98 | 97 | 70-130 | 1 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 95 | 105 | 71-137 | 10 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 104 | 99 | 70-130 | 5 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 78 | 93 | 59-135 | 18 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 103 | 102 | 70-128 | 1 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 104 | 104 | 71-129 | 0 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 112 | 106 | 42-149 | 5 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 104 | 100 | 47-141 | 3 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 107 | 102 | 43-143 | 5 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 120 | 115 | 75-141 | 4 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 100 | 105 | 65-127 | 5 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 121 | 117 | 70-130 | 4 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 101 | 100 | 62-118 | 1 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 102 | 102 | 63-125 | 0 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 97 | 101 | 63-119 | 3 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 84 | 88 | 70-130 | 4 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 105 | 105 | 66-127 | 1 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 100 | 101 | 64-126 | 1 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 115 | 113 | 70-130 | 1 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 106 | 102 | 56-138 | 4 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 96 | 96 | 66-120 | 0 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 97 | 99 | 64-141 | 3 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 90 | 94 | 62-124 | 5 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 87 | 95 | 59-123 | 9 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 103 | 106 | 44-184 | 3 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 98 | 100 | 62-125 | 2 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 106 | 107 | 62-151 | 1 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 86 | 94 | 70-130 | 9 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1267255
Reported: 09/28/11 at 04:17 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 108 | 106 | 65-136 | 2 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 102 | 98 | 49-148 | 4 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 106 | 105 | 70-130 | 0 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 106 | 108 | 70-130 | 2 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 120 | 112 | 70-130 | 7 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 98 | 101 | 64-129 | 3 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 104 | 104 | 70-130 | 0 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 121 | 115 | 70-130 | 6 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 107 | 103 | 52-142 | 4 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 111 | 107 | 59-144 | 4 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 99 | 109 | 70-130 | 10 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 123 | 120 | 70-130 | 2 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 122 | 119 | 70-130 | 2 | 25 |
| Batch number: C1126430AC | Sample number(s): 6411711-6411717,6411720,6411723 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 101 | 104 | 56-144 | 3 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 98 | 104 | 70-130 | 6 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 110 | 107 | 73-132 | 3 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 116 | 113 | 65-135 | 3 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 97 | 104 | 70-130 | 7 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 91 | 102 | 65-138 | 12 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 95 | 97 | 63-135 | 3 | 25 |
| Carbon Disulfide | N.D. | 0.20 | ppb(v) | 77 | 84 | 59-112 | 8 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 125 | 114 | 70-130 | 9 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 98 | 97 | 70-130 | 1 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 95 | 105 | 71-137 | 10 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 104 | 99 | 70-130 | 5 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 78 | 93 | 59-135 | 18 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 103 | 102 | 70-128 | 1 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 104 | 104 | 71-129 | 0 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 112 | 106 | 42-149 | 5 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 104 | 100 | 47-141 | 3 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 107 | 102 | 43-143 | 5 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 120 | 115 | 75-141 | 4 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 100 | 105 | 65-127 | 5 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 121 | 117 | 70-130 | 4 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 101 | 100 | 62-118 | 1 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 102 | 102 | 63-125 | 0 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 97 | 101 | 63-119 | 3 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 84 | 88 | 70-130 | 4 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 105 | 105 | 66-127 | 1 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 100 | 101 | 64-126 | 1 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 115 | 113 | 70-130 | 1 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 106 | 102 | 56-138 | 4 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 96 | 96 | 66-120 | 0 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 97 | 99 | 64-141 | 3 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 90 | 94 | 62-124 | 5 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1267255
Reported: 09/28/11 at 04:17 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Hexane | N.D. | 0.20 | ppb(v) | 87 | 95 | 59-123 | 9 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 103 | 106 | 44-184 | 3 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 98 | 100 | 62-125 | 2 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 106 | 107 | 62-151 | 1 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 86 | 94 | 70-130 | 9 | 25 |
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 108 | 106 | 65-136 | 2 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 102 | 98 | 49-148 | 4 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 106 | 105 | 70-130 | 0 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 106 | 108 | 70-130 | 2 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 120 | 112 | 70-130 | 7 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 98 | 101 | 64-129 | 3 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 104 | 104 | 70-130 | 0 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 121 | 115 | 70-130 | 6 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 107 | 103 | 52-142 | 4 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 111 | 107 | 59-144 | 4 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 99 | 109 | 70-130 | 10 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 123 | 120 | 70-130 | 2 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 122 | 119 | 70-130 | 2 | 25 |
| Batch number: C1126430AD | Sample number(s): 6411718,6411722 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 101 | 104 | 56-144 | 3 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 98 | 104 | 70-130 | 6 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 110 | 107 | 73-132 | 3 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 116 | 113 | 65-135 | 3 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 97 | 104 | 70-130 | 7 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 91 | 102 | 65-138 | 12 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 95 | 97 | 63-135 | 3 | 25 |
| Carbon Disulfide | N.D. | 0.20 | ppb(v) | 77 | 84 | 59-112 | 8 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 125 | 114 | 70-130 | 9 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 98 | 97 | 70-130 | 1 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 95 | 105 | 71-137 | 10 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 104 | 99 | 70-130 | 5 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 78 | 93 | 59-135 | 18 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 103 | 102 | 70-128 | 1 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 104 | 104 | 71-129 | 0 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 112 | 106 | 42-149 | 5 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 104 | 100 | 47-141 | 3 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 107 | 102 | 43-143 | 5 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 120 | 115 | 75-141 | 4 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 100 | 105 | 65-127 | 5 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 121 | 117 | 70-130 | 4 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 101 | 100 | 62-118 | 1 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 102 | 102 | 63-125 | 0 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 97 | 101 | 63-119 | 3 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 84 | 88 | 70-130 | 4 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 105 | 105 | 66-127 | 1 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 100 | 101 | 64-126 | 1 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1267255
Reported: 09/28/11 at 04:17 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 115 | 113 | 70-130 | 1 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 106 | 102 | 56-138 | 4 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 96 | 96 | 66-120 | 0 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 97 | 99 | 64-141 | 3 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 90 | 94 | 62-124 | 5 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 87 | 95 | 59-123 | 9 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 103 | 106 | 44-184 | 3 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 98 | 100 | 62-125 | 2 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 106 | 107 | 62-151 | 1 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 86 | 94 | 70-130 | 9 | 25 |
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 108 | 106 | 65-136 | 2 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 102 | 98 | 49-148 | 4 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 106 | 105 | 70-130 | 0 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 106 | 108 | 70-130 | 2 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 120 | 112 | 70-130 | 7 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 98 | 101 | 64-129 | 3 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 104 | 104 | 70-130 | 0 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 121 | 115 | 70-130 | 6 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 107 | 103 | 52-142 | 4 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 111 | 107 | 59-144 | 4 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 99 | 109 | 70-130 | 10 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 123 | 120 | 70-130 | 2 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 122 | 119 | 70-130 | 2 | 25 |
| Batch number: D1126430AB | Sample number(s): 6411711-6411712 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 119 | 123 | 56-144 | 3 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 107 | 110 | 70-130 | 3 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 118 | 119 | 73-132 | 1 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 125 | 129 | 65-135 | 4 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 99 | 102 | 70-130 | 2 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 88 | 92 | 65-138 | 5 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 108 | 111 | 63-135 | 3 | 25 |
| Carbon Disulfide | N.D. | 0.50 | ppb(v) | 76 | 80 | 59-112 | 5 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 113 | 112 | 70-130 | 0 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 106 | 108 | 70-130 | 2 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 104 | 109 | 71-137 | 5 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 103 | 102 | 70-130 | 1 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 80 | 86 | 59-135 | 6 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 116 | 119 | 70-128 | 3 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 111 | 115 | 71-129 | 4 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 123 | 125 | 42-149 | 2 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 116 | 120 | 47-141 | 3 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 134 | 138 | 43-143 | 3 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 99 | 104 | 75-141 | 4 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 106 | 109 | 65-127 | 3 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 124 | 125 | 70-130 | 1 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 99 | 102 | 62-118 | 3 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1267255
Reported: 09/28/11 at 04:17 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 98 | 102 | 63-125 | 4 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 104 | 108 | 63-119 | 4 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 97 | 100 | 70-130 | 3 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 107 | 111 | 66-127 | 3 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 107 | 114 | 64-126 | 6 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 118 | 121 | 70-130 | 3 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 125 | 129 | 56-138 | 3 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 100 | 101 | 66-120 | 1 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 89 | 92 | 64-141 | 3 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 102 | 105 | 62-124 | 3 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 94 | 99 | 59-123 | 5 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 129 | 136 | 44-184 | 5 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 96 | 104 | 62-125 | 8 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 122 | 126 | 62-151 | 3 | 25 |
| Methylene Chloride | N.D. | 0.50 | ppb(v) | 99 | 103 | 70-130 | 3 | 25 |
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 121 | 124 | 65-136 | 2 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 133 | 134 | 49-148 | 1 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 105 | 108 | 70-130 | 3 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 107 | 111 | 70-130 | 3 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 112 | 116 | 64-129 | 3 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 103 | 105 | 70-130 | 2 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 113 | 114 | 70-130 | 1 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 126 | 130 | 52-142 | 3 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 128 | 132 | 59-144 | 3 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 94 | 101 | 70-130 | 7 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 127 | 129 | 70-130 | 2 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 125 | 129 | 70-130 | 3 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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# TO-15 External Chain of Custody Record/Field Test Data Sheets

A6556 / 1267255 / 6411711-26

Lancaster Laboratories

| | | | |
|---|---|---|---|
| **Client Contact Information** | **Project Manager:** Todd Hall | **Carrier:** | 1 of 3 COCs |
| Company: Roadrunner Express Inc. / Johnson Co | **Phone:** 802-229-4600 | **Samplers Name(s)** Nathan Williams | |
| Address: 3945 Thurmond Tanner Road, , | **Site Contact:** | | |
| City/State/Zip: Flowery Branch, GA 30542 | TAH @ JCOmail.com | | |
| Phone: 770-967-6501 | | | |
| FAX: | | | |
| Project Name: Avery Dennison / Flowery Branch, GA | **Analysis Turnaround Time** | | |
| Site: | Standard (Specify) | | |
| PO #: 1-0145-4 | Rush (Specify) | | |

| | Sample Identification | Sample Date(s) | Time Start (24 hr clock) | Time Stop (24 hr clock) | Canister Pressure in Field ("Hg) (Start) | Canister Pressure in Field ("Hg) (Stop) | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Flow Reg. ID | Can ID | Can Size (L) | Controller Flowrate (ml/min) | Analytes: TO-15 | Analytes: Long list VOC list 8260B | Matrix: Indoor Air | Matrix: Ambient Air | Matrix: Soil Gas | Matrix: Sub Slab |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 856 | MP 09 | 9/16 | 11:31 | | 28 | 5 | | | 316 PLN | 856 | 6 | | | ✓ | | | | ✓ |
| 891 | MP 06 | 9/16 | 11:17 | | 27 | 5 | | | " | 891 | 6 | | | ✓ | | | | ✓ |
| 106 | VW 5 | 9/16 | 12:17 | | 30 | 6 | | | " | 1021 | 6 | | | ✓ | | | | ✓ |
| 1031 | MP 3 | 9/16 | 11:15 | | 24 | 5 | | | " | 1031 | 6 | | | ✓ | | | | ✓ |
| 1077 | VW 3 | 9/16 | 11:59 | | 30 | 6 | | | " | 1077 | 6 | | | ✓ | | | | ✓ |
| 880 | MP 08 | 9/16 | 11:22 | | 30 | 5 | | | " | 880 | 6 | | | ✓ | | | | ✓ |

NRW 9/20/11 LS

| Temperature (Fahrenheit) | Ambient | Maximum | Minimum |
|---|---|---|---|
| Start | | | |
| Stop | | | |

| Pressure (inches of Hg) | Ambient | Maximum | Minimum |
|---|---|---|---|
| Start | | | |
| Stop | | | |

**Special Instructions/QC Requirements & Comments:**

| | | | |
|---|---|---|---|
| Canisters Shipped by: | Date/Time: | Canisters Received by: Vivian Vickers | Date/Time: 9/14/11 |
| Samples Relinquished by: Nathan Williams | Date/Time: 9/16/11 1:45pm | Received by: | Date/Time: |
| Relinquished by: | Date/Time: | Received by: Deborah Nerlund | Date/Time: 9/20/11 0950 |

Lancaster Laboratories Inc
2425 New Holland Pike
Lancaster, PA 17601
Tel: (717) 656-2300

# TO-15 External Chain of Custody Record/Field Test Data Sheets

A65556/1267255/6411711-26

Lancaster Laboratories

| | | |
|---|---|---|
| **Client Contact Information** | **Project Manager:** Todd 1-2-11 | **Carrier:** |
| Company: Roadrunner Express Inc. / Johnson Co | Phone: 802-229-4600 | **Samplers Name(s)** Nathan Williams |
| Address: 3945 Thurmond Tanner Road, , | **Site Contact:** | |
| City/State/Zip: Flowery Branch,GA 30542 | | |
| Phone: 770-967-6501 | | |
| FAX: | | |
| Project Name: Avery Dennison / Flowery Branch, GA | **Analysis Turnaround Time** | |
| Site: | Standard (Specify) ✓ | |
| PO #: 1-0145-4 | Rush (Specify) | |

2 of 3 COCs

| | Sample Identification | Sample Date(s) | Time Start (24 hr clock) | Time Stop (24 hr clock) | Canister Pressure in Field ("Hg) (Start) | Canister Pressure in Field ("Hg) (Stop) | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Flow Reg. ID | Can ID | Can Size (L) | Controller Flowrate (ml/min) | Analysis: TO-15 | Analysis: Long List VOC Via 8260B | Matrix: Indoor Air | Matrix: Ambient Air | Matrix: Soil Gas | Matrix: Sub Slab |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 095 | MW 64 | 9/16 | 12:11 | | 30 | 6 | | | 316 PLN | 95 | 6 | | | ✓ | | | | X |
| 102 | MP 07 | 9/16 | 11:20 | | 28 | 5 | | | " | 102 | 6 | | | ✓ | | | | X |
| 1021 | VW 6 | 9/16 | 12:05 | | 30 | 6 | | | " | 106 | 6 | | | ✓ | | | | X |
| 135 | MP 11 | 9/16 | 11:37 | | 30 | 5 | | | " | 135 | 6 | | | ✓ | | | | X |
| 158 | MP 02 | 9/16 | 11:36 | | 29 | 5 | | | " | 158 | 6 | | | ✓ | | | | X |
| 534 | MP 10 | 9/16 | 11:33 | | 12 | 5 | | | " | 534 | 6 | | | ✓ | | | | X |

AQW 9/20/11 VE

| Temperature (Fahrenheit) | Ambient | Maximum | Minimum |
|---|---|---|---|
| Start | | | |
| Stop | | | |

| Pressure (inches of Hg) | Ambient | Maximum | Minimum |
|---|---|---|---|
| Start | | | |
| Stop | | | |

**Special Instructions/QC Requirements & Comments:**

MP 10 Guage wasnt working properly or tank had leaked

| | | | |
|---|---|---|---|
| Canisters Shipped by: | Date/Time: | Canisters Received by: Kyron Vickers | Date/Time: 9/14/11 |
| Samples Relinquished by: Nathan Williams | Date/Time: 9/16/11 1:45pm | Received by: | Date/Time: |
| Relinquished by: | Date/Time: | Received by: Deborah Weiland | Date/Time: 9/20/11 0950 |

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Lancaster, PA 17601
Tel: (717) 656-2300

# TO-15 External Chain of Custody Record/Field Test Data Sheets

A6556 / 1267255 / 6411711-26

Lancaster Laboratories

| | | | |
|---|---|---|---|
| **Client Contact Information** | **Project Manager:** Todd Hall | **Carrier:** | 3 of 3 COCs |
| Company: Roadrunner Express Inc. / Johnson Co. | Phone: 802-229-4600 | **Samplers Name(s)** Nathan Williams | Analysis / Matrix |
| Address: 3945 Thurmond Tanner Road, , | **Site Contact:** | | |
| City/State/Zip: Flowery Branch,GA 30542 | TAH @ JCOmail.com | | |
| Phone: 770-967-6501 | | | |
| FAX: | | | |
| Project Name: Avery Dennison / Flowery Branch, GA | **Analysis Turnaround Time** | | |
| Site: | Standard (Specify) | | |
| PO #: 1-0145-4 | Rush (Specify) | | |

| | Sample Identification | Sample Date(s) | Time Start (24 hr clock) | Time Stop (24 hr clock) | Canister Pressure in Field ("Hg) (Start) | Canister Pressure in Field ("Hg) (Stop) | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Flow Reg. ID | Can ID | Can Size (L) | Controller Flowrate (ml/min) | TO-15 | Long list VOC via 8260B | Indoor Air | Ambient Air | Soil Gas | Sub Slab |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 145 | Undiluted 1 | 9/16 | 11:39 | | 30 | 5 | | | 316 PLN | 145 | 6 | | | X | | | | X |
| 162 | MP 05 | 9/16 | 11:09 | | 30 | 5 | | | " | 162 | 6 | | | X | | | | X |
| 012 | Blower | 9/16 | 11:41 | | 30 | 2 | | | " | 12 | 6 | | | X | | | | X |
| 138 | MP 04 | 9/16 | 11:13 | | 30 | 5 | | | " | 138 | 6 | | | X | | | | X |
| DW 9/20/11 LV | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |

| Temperature (Fahrenheit) | Ambient | Maximum | Minimum |
|---|---|---|---|
| Start | | | |
| Stop | | | |

| Pressure (inches of Hg) | Ambient | Maximum | Minimum |
|---|---|---|---|
| Start | | | |
| Stop | | | |

**Special Instructions/QC Requirements & Comments:**

| | | | |
|---|---|---|---|
| Canisters Shipped by: | Date/Time: | Canisters Received by: Vyron Vickers | Date/Time: 9/14/11 |
| Samples Relinquished by: Nat Williams | Date/Time: 9/16/11 1:45pm | Received by: | Date/Time: |
| Relinquished by: | Date/Time: | Received by: Deborah Wahl | Date/Time: 9/20/11 0950 |

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# Environmental Sample Administration
# Receipt Documentation Log

**Client/Project:** Johnson Co

**Date of Receipt:** 9/20/11

**Time of Receipt:** 0950

**Source Code:** 60-1

**Shipping Container Sealed:** (YES) NO

**Custody Seal Present * :** YES (NO)

* Custody seal was intact unless otherwise noted in the discrepancy section

**Package:** Chilled (Not Chilled)

| Temperature of Shipping Containers | | | | | | | |
|---|---|---|---|---|---|---|---|
| Cooler # | Thermometer ID | Temperature (°C) | Temp Bottle (TB) or Surface Temp (ST) | Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP) | Ice Present? Y/N | Loose (L) Bagged Ice (B) or NA | Comments |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |

**Number of Trip Blanks received NOT listed on chain of custody:** Ø

**Paperwork Discrepancy/Unpacking Problems:**

Rec'd 8 cartons of Summa cans
+ 1 flow controller
- VW5 Can ID: 106, not 1021 (coc)
- VW6 Can ID: 1021, not 106 (coc)

**Unpacker Signature/Emp#:** DA Neslund /208 **Date/Time:** 9/20/11 1010

Issued by Dept. 6042 Management

2174.06

# Explanation of Symbols and Abbreviations

*The following defines common symbols and abbreviations used in reporting technical data:*

| | | | |
|---|---|---|---|
| **RL** | Reporting Limit | **BMQL** | Below Minimum Quantitation Level |
| **N.D.** | none detected | **MPN** | Most Probable Number |
| **TNTC** | Too Numerous To Count | **CP Units** | cobalt-chloroplatinate units |
| **IU** | International Units | **NTU** | nephelometric turbidity units |
| **umhos/cm** | micromhos/cm | **ng** | nanogram(s) |
| **C** | degrees Celsius | **F** | degrees Fahrenheit |
| **meq** | milliequivalents | **lb.** | pound(s) |
| **g** | gram(s) | **kg** | kilogram(s) |
| **ug** | microgram(s) | **mg** | milligram(s) |
| **ml** | milliliter(s) | **l** | liter(s) |
| **m3** | cubic meter(s) | **ul** | microliter(s) |

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**J** estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

*U.S. EPA CLP Data Qualifiers:*

**Organic Qualifiers**

| | |
|---|---|
| **A** | TIC is a possible aldol-condensation product |
| **B** | Analyte was also detected in the blank |
| **C** | Pesticide result confirmed by GC/MS |
| **D** | Compound quantitated on a diluted sample |
| **E** | Concentration exceeds the calibration range of the instrument |
| **N** | Presumptive evidence of a compound (TICs only) |
| **P** | Concentration difference between primary and confirmation columns >25% |
| **U** | Compound was not detected |
| **X,Y,Z** | Defined in case narrative |

**Inorganic Qualifiers**

| | |
|---|---|
| **B** | Value is <CRDL, but ≥IDL |
| **E** | Estimated due to interference |
| **M** | Duplicate injection precision not met |
| **N** | Spike sample not within control limits |
| **S** | Method of standard additions (MSA) used for calculation |
| **U** | Compound was not detected |
| **W** | Post digestion spike out of control limits |
| ***** | Duplicate analysis not within control limits |
| **+** | Correlation coefficient for MSA <0.995 |

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

Lancaster Laboratories

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# Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

October 13, 2011

Project: Avery Dennison / Flowery Branch, GA

Submittal Date: 10/04/2011
Group Number: 1269612
PO Number: 1-0145-4
State of Sample Origin: GA

| Client Sample Description | Lancaster Labs (LLI) # |
|---|---|
| Undiluted SUMMA 858 Grab Air | 6428090 |

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO The Johnson Company, Inc. Attn: Todd Hall

Questions? Contact your Client Services Representative
Wendy A Kozma at (717) 656-2300 Ext. 1522

Respectfully Submitted,

Chad Moline

Chad A. Moline
Group Leader

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

# Analysis Report



**Sample Description: Undiluted SUMMA 858 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6428090**
**LLI Group # 1269612**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/29/2011 12:55 by NW

Submitted: 10/04/2011 09:50
Reported: 10/13/2011 17:47

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

858--

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 15 | J | 5.0 | 37 | J | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 5.0 | N.D. | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 2.0 | N.D. | | 6.2 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 2.6 | J | 2.0 | 9.2 | J | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 53 | | 2.0 | 210 | | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 2.3 | J | 2.0 | 9.4 | J | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 1,800 | | 200 | 7,100 | | 790 | 1000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | 4.9 | J | 2.0 | 17 | J | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | 2.2 | J | 2.0 | 15 | J | 14 | 10 |
| 05298 | Toluene | 108-88-3 | 450 | | 2.0 | 1,700 | | 7.5 | 10 |

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# Analysis Report



**Sample Description: Undiluted SUMMA 858 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6428090**
**LLI Group # 1269612**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/29/2011 12:55 by NW

Submitted: 10/04/2011 09:50
Reported: 10/13/2011 17:47

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

858--

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 2,700 | | 200 | 15,000 | | 1,100 | 1000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 13 | | 2.0 | 72 | | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 2.0 | N.D. | | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | 6.1 | J | 2.0 | 26 | J | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1128430AB | 10/12/2011 01:48 | Michael A Ziegler | 10 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1128430AB | 10/12/2011 11:25 | Michael A Ziegler | 1000 |

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# Analysis Report



## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1269612
Reported: 10/13/11 at 05:47 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

## Laboratory Compliance Quality Control

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: C1128430AB | Sample number(s): 6428090 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 108 | 110 | 56-144 | 2 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 97 | 97 | 70-130 | 0 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 109 | 102 | 73-132 | 7 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 117 | 108 | 65-135 | 8 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 94 | 100 | 70-130 | 6 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 91 | 100 | 65-138 | 10 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 111 | 111 | 63-135 | 1 | 25 |
| Carbon Disulfide | N.D. | 0.20 | ppb(v) | 74 | 80 | 59-112 | 7 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 108 | 101 | 70-130 | 7 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 97 | 93 | 70-130 | 4 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 91 | 99 | 71-137 | 9 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 106 | 103 | 70-130 | 3 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 79 | 94 | 59-135 | 18 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 103 | 97 | 70-128 | 6 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 105 | 102 | 71-129 | 3 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 112 | 105 | 42-149 | 6 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 103 | 96 | 47-141 | 7 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 105 | 98 | 43-143 | 7 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 103 | 102 | 75-141 | 2 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 98 | 101 | 65-127 | 3 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 112 | 105 | 70-130 | 6 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 88 | 88 | 62-118 | 0 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 100 | 99 | 63-125 | 0 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 89 | 92 | 63-119 | 3 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 91 | 90 | 70-130 | 1 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 116 | 111 | 66-127 | 4 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 101 | 98 | 64-126 | 3 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 114 | 108 | 70-130 | 5 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 105 | 99 | 56-138 | 6 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 86 | 86 | 66-120 | 0 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 87 | 91 | 64-141 | 4 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 93 | 92 | 62-124 | 1 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 83 | 89 | 59-123 | 7 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 127 | 125 | 44-184 | 2 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 104 | 106 | 62-125 | 2 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 121 | 117 | 62-151 | 3 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 80 | 86 | 70-130 | 7 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1269612
Reported: 10/13/11 at 05:47 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 112 | 106 | 65-136 | 5 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 116 | 111 | 49-148 | 5 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 93 | 91 | 70-130 | 2 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 105 | 103 | 70-130 | 3 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 110 | 104 | 70-130 | 5 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 99 | 97 | 64-129 | 2 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 89 | 87 | 70-130 | 2 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 105 | 101 | 70-130 | 4 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 106 | 99 | 52-142 | 7 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 111 | 104 | 59-144 | 7 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 95 | 104 | 70-130 | 9 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 125 | 118 | 70-130 | 6 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 123 | 116 | 70-130 | 6 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 6556 Group# 126912 Sample # 642809

**COC # 240741**

Please print. Instructions on reverse side correspond with circled numbers.

**For Lab Use Only**
FSC: _____
SCR#: _____

(1)
Client: The Johnson Co Acct. #: _____
Project Name/#: Flowery Branch SVE PWSID #: _____
Project Manager: Todd Hall P.O.#: 1-0145-4
Sampler: Nathan Williams Quote #: _____
Name of state where samples were collected: GA

**Preservation Codes**
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

(6) Temperature of samples upon receipt (if requested)

| (2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | Matrix (4) Soil | Water (Potable / NPDES) | Other Air | Total # of Containers | (5) Analyses Requested / Preservation Codes: Long list VOC via 8260B | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| Undiluted | 9/29/11 | 12:55 | X | | | | X | | | 858 |

(7) **Turnaround Time Requested** (TAT) (please circle): (Normal) Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 802-229-4600 Fax #: _____
E-mail address: TAH @ JCOmail.com

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg)
Type II (Tier II)
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)
TX TRRP-13
MA MCP CT RCP
SDG Complete? Yes No
Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No _____

(9)

| Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|
| Nathan Williams | 9/29/11 | | Calvin Pruitt | 9/29/11 | |
| Calvin Pruitt | 9/29/11 | | Fedex | | |
| | | | | | |
| | | | | | |
| | | | Harry Hall | 10/4/11 | 0950 |

Lancaster Laboratories

# Environmental Sample Administration
# Receipt Documentation Log

**Client/Project:** The Johnson Co.

**Date of Receipt:** 10/4/11

**Time of Receipt:** 0950

**Source Code:** 601

**Shipping Container Sealed:** (YES) NO

**Custody Seal Present * :** YES (NO)

* Custody seal was intact unless otherwise noted in the discrepancy section

**Package:** Chilled (Not Chilled)

| Temperature of Shipping Containers | | | | | | | |
|---|---|---|---|---|---|---|---|
| Cooler # | Thermometer ID | Temperature (°C) | Temp Bottle (TB) or Surface Temp (ST) | Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP) | Ice Present? Y/N | Loose (L) Bagged Ice (B) or NA | Comments |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |

**Number of Trip Blanks received NOT listed on chain of custody:** 0

**Paperwork Discrepancy/Unpacking Problems:**

-Received 1x gauge, 2x swagelok tubing pcs, & 1x unused Summa (#815).

**Unpacker Signature/Emp#:** 2316 **Date/Time:** 10/4/11 1215

Issued by Dept. 6042 Management

2174.06

# Explanation of Symbols and Abbreviations

*The following defines common symbols and abbreviations used in reporting technical data:*

| | | | |
|---|---|---|---|
| **RL** | Reporting Limit | **BMQL** | Below Minimum Quantitation Level |
| **N.D.** | none detected | **MPN** | Most Probable Number |
| **TNTC** | Too Numerous To Count | **CP Units** | cobalt-chloroplatinate units |
| **IU** | International Units | **NTU** | nephelometric turbidity units |
| **umhos/cm** | micromhos/cm | **ng** | nanogram(s) |
| **C** | degrees Celsius | **F** | degrees Fahrenheit |
| **meq** | milliequivalents | **lb.** | pound(s) |
| **g** | gram(s) | **kg** | kilogram(s) |
| **ug** | microgram(s) | **mg** | milligram(s) |
| **ml** | milliliter(s) | **l** | liter(s) |
| **m3** | cubic meter(s) | **ul** | microliter(s) |

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**J** estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

*U.S. EPA CLP Data Qualifiers:*

**Organic Qualifiers**

| | |
|---|---|
| **A** | TIC is a possible aldol-condensation product |
| **B** | Analyte was also detected in the blank |
| **C** | Pesticide result confirmed by GC/MS |
| **D** | Compound quantitated on a diluted sample |
| **E** | Concentration exceeds the calibration range of the instrument |
| **N** | Presumptive evidence of a compound (TICs only) |
| **P** | Concentration difference between primary and confirmation columns >25% |
| **U** | Compound was not detected |
| **X,Y,Z** | Defined in case narrative |

**Inorganic Qualifiers**

| | |
|---|---|
| **B** | Value is <CRDL, but ≥IDL |
| **E** | Estimated due to interference |
| **M** | Duplicate injection precision not met |
| **N** | Spike sample not within control limits |
| **S** | Method of standard additions (MSA) used for calculation |
| **U** | Compound was not detected |
| **W** | Post digestion spike out of control limits |
| ***** | Duplicate analysis not within control limits |
| **+** | Correlation coefficient for MSA <0.995 |

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

Lancaster Laboratories

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# Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

November 01, 2011

Project: Avery Dennison / Flowery Branch, GA

Submittal Date: 10/27/2011
Group Number: 1273496
PO Number: 1-0145-4
State of Sample Origin: GA

| Client Sample Description | Lancaster Labs (LLI) # |
|---|---|
| MP10 Summa Can# 204 Air | 6451875 |
| MP02 Summa Can# 1031 Air | 6451876 |
| VW3 Summa Can# 880 Air | 6451877 |
| MP09 Summa Can# 1107 Air | 6451878 |
| MP11 Summa Can# 891 Air | 6451879 |
| MP08 Summa Can# 164 Air | 6451880 |
| Blower Summa Can# 15 Air | 6451881 |
| MP07 Summa Can# 1077 Air | 6451882 |
| MP65S Summa Can# 316 Air | 6451883 |
| MP03 Summa Can# 839 Air | 6451884 |
| MP04 Summa Can# 815 Air | 6451885 |
| MP06 Summa Can# 95 Air | 6451886 |
| VW6 Summa Can# 3 Air | 6451887 |
| MW64 Summa Can# 870 Air | 6451888 |
| Undiluted Summa Can# 188 Air | 6451889 |
| VW5 Summa Can# 514 Air | 6451890 |
| MP05 Summa Can# 414 Air | 6451891 |

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO The Johnson Company, Inc. Attn: Todd Hall

Lancaster Laboratories

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# Analysis Report

Questions? Contact your Client Services Representative
Wendy A Kozma at (717) 656-2300 Ext. 1522

Respectfully Submitted,

Rachel R. Cochis
Group Leader

Lancaster Laboratories

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# Analysis Report



**Sample Description: MP10 Summa Can# 204 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6451875**
**LLI Group # 1273496**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 16:37 by CP

Submitted: 10/27/2011 09:25
Reported: 11/01/2011 17:02

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

--204

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 19 | | 0.50 | 44 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | N.D. | | 0.20 | N.D. | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 9.4 | | 0.50 | 28 | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 4.3 | | 0.20 | 13 | | 0.62 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 0.24 | J | 0.20 | 0.85 | J | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | 2.2 | | 0.20 | 11 | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 0.46 | J | 0.20 | 0.96 | J | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 3.9 | | 0.20 | 19 | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.47 | J | 0.20 | 2.3 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 58 | | 0.20 | 230 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 0.21 | J | 0.20 | 0.85 | J | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 400 | | 20 | 1,600 | | 79 | 100 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | 0.24 | J | 0.20 | 0.83 | J | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 0.33 | J | 0.20 | 1.1 | J | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 1.8 | | 0.20 | 5.3 | | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 1.1 | | 0.20 | 7.3 | | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 0.35 | J | 0.20 | 1.3 | J | 0.75 | 1 |

Lancaster Laboratories

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# Analysis Report



**Sample Description: MP10 Summa Can# 204 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6451875**
**LLI Group # 1273496**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 16:37 by CP

Submitted: 10/27/2011 09:25
Reported: 11/01/2011 17:02

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

--204

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 500 | | 20 | 2,700 | | 110 | 100 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | 0.81 | J | 0.20 | 4.4 | J | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | 0.26 | J | 0.20 | 1.4 | J | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 0.32 | J | 0.20 | 1.8 | J | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1130130AA | 10/28/2011 22:40 | Michael A Ziegler | 1 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1130130AB | 10/30/2011 21:01 | Michael A Ziegler | 100 |

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# Analysis Report



**Sample Description: MP02 Summa Can# 1031 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6451876**
**LLI Group # 1273496**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 17:02 by CP

Submitted: 10/27/2011 09:25
Reported: 11/01/2011 17:02

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

-1031

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 1,800 | | 50 | 4,200 | | 120 | 100 |
| 05298 | Benzene | 71-43-2 | N.D. | | 20 | N.D. | | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 50 | N.D. | | 110 | 100 |
| 05298 | 2-Butanone | 78-93-3 | 1,000 | | 50 | 3,000 | | 150 | 100 |
| 05298 | Carbon Disulfide | 75-15-0 | 190 | | 20 | 590 | | 62 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 20 | N.D. | | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 20 | N.D. | | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 20 | N.D. | | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 20 | N.D. | | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 65 | J | 20 | 260 | J | 81 | 100 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 20 | N.D. | | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 5,400 | | 20 | 22,000 | | 79 | 100 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 20 | N.D. | | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | N.D. | | 20 | N.D. | | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | 64 | J | 20 | 230 | J | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 160 | | 20 | 560 | | 69 | 100 |
| 05298 | Octane | 111-65-9 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Pentane | 109-66-0 | 380 | | 20 | 1,100 | | 59 | 100 |
| 05298 | Styrene | 100-42-5 | N.D. | | 20 | N.D. | | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Toluene | 108-88-3 | 45 | J | 20 | 170 | J | 75 | 100 |

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# Analysis Report



**Sample Description: MP02 Summa Can# 1031 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6451876**
**LLI Group # 1273496**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 17:02 by CP

Submitted: 10/27/2011 09:25
Reported: 11/01/2011 17:02

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

-1031

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 1,400 | 20 | 7,900 | 110 | 100 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 20 | N.D. | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 20 | N.D. | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 20 | N.D. | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 20 | N.D. | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 20 | N.D. | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 20 | N.D. | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 20 | N.D. | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 20 | N.D. | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 20 | N.D. | 87 | 100 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1130130AA | 10/28/2011 23:28 | Michael A Ziegler | 100 |

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# Analysis Report



**Sample Description: VW3 Summa Can# 880 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6451877**
**LLI Group # 1273496**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 16:58 by CP

Submitted: 10/27/2011 09:25
Reported: 11/01/2011 17:02

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

--880

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 6.7 | | 0.50 | 16 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | N.D. | | 0.20 | N.D. | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 1.3 | J | 0.50 | 3.7 | J | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 0.20 | N.D. | | 0.62 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 0.22 | J | 0.20 | 0.78 | J | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 0.45 | J | 0.20 | 0.93 | J | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 1.4 | | 0.20 | 7.1 | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.49 | J | 0.20 | 2.4 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 4.8 | | 0.20 | 19 | | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 0.20 | N.D. | | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | N.D. | | 0.20 | N.D. | | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | N.D. | | 0.20 | N.D. | | 0.75 | 1 |

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# Analysis Report



**Sample Description: VW3 Summa Can# 880 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6451877**
**LLI Group # 1273496**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 16:58 by CP

Submitted: 10/27/2011 09:25
Reported: 11/01/2011 17:02

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

--880

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 1.8 | | 0.20 | 9.7 | | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 0.55 | J | 0.20 | 3.1 | J | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 0.32 | J | 0.20 | 1.4 | J | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1130130AA | 10/29/2011 00:15 | Michael A Ziegler | 1 |

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# Analysis Report



**Sample Description: MP09 Summa Can# 1107 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6451878**
**LLI Group # 1273496**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 17:10 by CP

Submitted: 10/27/2011 09:25
Reported: 11/01/2011 17:02

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

-1107

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 620 | | 50 | 1,500 | | 120 | 100 |
| 05298 | Benzene | 71-43-2 | N.D. | | 20 | N.D. | | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 50 | N.D. | | 110 | 100 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 50 | N.D. | | 150 | 100 |
| 05298 | Carbon Disulfide | 75-15-0 | 270 | | 20 | 840 | | 62 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 20 | N.D. | | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 20 | N.D. | | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 20 | N.D. | | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 20 | N.D. | | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 120 | | 20 | 470 | | 81 | 100 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 20 | N.D. | | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 25,000 | | 200 | 97,000 | | 790 | 1000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 20 | N.D. | | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | N.D. | | 20 | N.D. | | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | 53 | J | 20 | 190 | J | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 170 | | 20 | 590 | | 69 | 100 |
| 05298 | Octane | 111-65-9 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Pentane | 109-66-0 | 340 | | 20 | 1,000 | | 59 | 100 |
| 05298 | Styrene | 100-42-5 | 23 | J | 20 | 98 | J | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Toluene | 108-88-3 | 150 | | 20 | 550 | | 75 | 100 |

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# Analysis Report



**Sample Description: MP09 Summa Can# 1107 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6451878**
**LLI Group # 1273496**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 17:10 by CP

Submitted: 10/27/2011 09:25
Reported: 11/01/2011 17:02

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

-1107

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 9,600 | 20 | 52,000 | 110 | 100 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 20 | N.D. | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 20 | N.D. | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 20 | N.D. | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 20 | N.D. | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 20 | N.D. | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 20 | N.D. | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 20 | N.D. | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 20 | N.D. | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 20 | N.D. | 87 | 100 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1130130AA | 10/29/2011 01:02 | Michael A Ziegler | 100 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1130130AB | 10/30/2011 21:44 | Michael A Ziegler | 1000 |

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# Analysis Report



**Sample Description: MP11 Summa Can# 891 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6451879**
**LLI Group # 1273496**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 17:07 by CP

Submitted: 10/27/2011 09:25
Reported: 11/01/2011 17:02

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

-891-

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 1,700 | | 75 | 3,900 | | 180 | 150 |
| 05298 | Benzene | 71-43-2 | N.D. | | 30 | N.D. | | 96 | 150 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 30 | N.D. | | 190 | 150 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 30 | N.D. | | 200 | 150 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 30 | N.D. | | 310 | 150 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 30 | N.D. | | 120 | 150 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 75 | N.D. | | 170 | 150 |
| 05298 | 2-Butanone | 78-93-3 | 450 | | 75 | 1,300 | | 220 | 150 |
| 05298 | Carbon Disulfide | 75-15-0 | 490 | | 30 | 1,500 | | 93 | 150 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 30 | N.D. | | 190 | 150 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 30 | N.D. | | 140 | 150 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 30 | N.D. | | 110 | 150 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 30 | N.D. | | 79 | 150 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 30 | N.D. | | 150 | 150 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 30 | N.D. | | 62 | 150 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 30 | N.D. | | 94 | 150 |
| 05298 | Cumene | 98-82-8 | N.D. | | 30 | N.D. | | 150 | 150 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 30 | N.D. | | 260 | 150 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 30 | N.D. | | 230 | 150 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 30 | N.D. | | 210 | 150 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 30 | N.D. | | 180 | 150 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 30 | N.D. | | 180 | 150 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 30 | N.D. | | 180 | 150 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 30 | N.D. | | 150 | 150 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 160 | | 30 | 650 | | 120 | 150 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 30 | N.D. | | 120 | 150 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 19,000 | | 300 | 74,000 | | 1,200 | 1500 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 30 | N.D. | | 120 | 150 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 30 | N.D. | | 120 | 150 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 30 | N.D. | | 130 | 150 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 30 | N.D. | | 140 | 150 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 30 | N.D. | | 140 | 150 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 30 | N.D. | | 140 | 150 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 30 | N.D. | | 130 | 150 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 30 | N.D. | | 150 | 150 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 75 | N.D. | | 570 | 150 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 30 | N.D. | | 210 | 150 |
| 05298 | Heptane | 142-82-5 | 43 | J | 30 | 180 | J | 120 | 150 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 30 | N.D. | | 290 | 150 |
| 05298 | Hexane | 110-54-3 | 110 | J | 30 | 390 | J | 110 | 150 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 75 | N.D. | | 310 | 150 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 30 | N.D. | | 140 | 150 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 30 | N.D. | | 110 | 150 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 75 | N.D. | | 310 | 150 |
| 05298 | Methylene Chloride | 75-09-2 | 330 | | 30 | 1,100 | | 100 | 150 |
| 05298 | Octane | 111-65-9 | 41 | J | 30 | 190 | J | 140 | 150 |
| 05298 | Pentane | 109-66-0 | 630 | | 30 | 1,900 | | 89 | 150 |
| 05298 | Styrene | 100-42-5 | 46 | J | 30 | 200 | J | 130 | 150 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 30 | N.D. | | 210 | 150 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 30 | N.D. | | 210 | 150 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 30 | N.D. | | 200 | 150 |
| 05298 | Toluene | 108-88-3 | 100 | J | 30 | 390 | J | 110 | 150 |

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# Analysis Report



**Sample Description: MP11 Summa Can# 891 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6451879**
**LLI Group # 1273496**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 17:07 by CP

Submitted: 10/27/2011 09:25
Reported: 11/01/2011 17:02

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

-891-

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 4,500 | | 30 | 25,000 | | 160 | 150 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 30 | N.D. | | 160 | 150 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 30 | N.D. | | 160 | 150 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 30 | N.D. | | 170 | 150 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 30 | N.D. | | 180 | 150 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 30 | N.D. | | 150 | 150 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 30 | N.D. | | 150 | 150 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 30 | N.D. | | 77 | 150 |
| 05298 | m/p-Xylene | 179601-23-1 | 38 | J | 30 | 170 | J | 130 | 150 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 30 | N.D. | | 130 | 150 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1130130AA | 10/29/2011 01:50 | Michael A Ziegler | 150 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1130130AB | 10/30/2011 22:28 | Michael A Ziegler | 1500 |

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# Analysis Report



**Sample Description: MP08 Summa Can# 164 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6451880**
**LLI Group # 1273496**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 16:32 by CP

Submitted: 10/27/2011 09:25
Reported: 11/01/2011 17:02

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

-164-

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | N.D. | | 5.0 | N.D. | | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 5.0 | N.D. | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 2.0 | N.D. | | 6.2 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | 2.7 | J | 2.0 | 13 | J | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 2.5 | J | 2.0 | 10 | J | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 2,000 | | 20 | 8,000 | | 79 | 100 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | 2.3 | J | 2.0 | 8.1 | J | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Toluene | 108-88-3 | N.D. | | 2.0 | N.D. | | 7.5 | 10 |

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# Analysis Report



**Sample Description: MP08 Summa Can# 164 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6451880**
**LLI Group # 1273496**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 16:32 by CP

Submitted: 10/27/2011 09:25
Reported: 11/01/2011 17:02

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

-164-

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 90 | | 2.0 | 490 | | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 4.3 | J | 2.0 | 24 | J | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 2.0 | N.D. | | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1130130AA | 10/29/2011 02:33 | Michael A Ziegler | 10 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1130130AB | 10/30/2011 23:16 | Michael A Ziegler | 100 |

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# Analysis Report



**Sample Description: Blower Summa Can# 15 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6451881**
**LLI Group # 1273496**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 17:17 by CP

Submitted: 10/27/2011 09:25
Reported: 11/01/2011 17:02

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

--15-

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 5.2 | J | 5.0 | 12 | J | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 5.0 | N.D. | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 2.0 | N.D. | | 6.2 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 7.6 | J | 2.0 | 31 | J | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 600 | | 2.0 | 2,400 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 2.0 | N.D. | | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | 3.8 | J | 2.0 | 25 | J | 14 | 10 |
| 05298 | Toluene | 108-88-3 | 42 | | 2.0 | 160 | | 7.5 | 10 |

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# Analysis Report



**Sample Description: Blower Summa Can# 15 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6451881**
**LLI Group # 1273496**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 17:17 by CP

Submitted: 10/27/2011 09:25
Reported: 11/01/2011 17:02

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

--15-

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 620 | | 2.0 | 3,400 | | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 2.0 | N.D. | | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | 3.4 | J | 2.0 | 15 | J | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | 2.1 | J | 2.0 | 9.3 | J | 8.7 | 10 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1130130AB | 10/31/2011 00:00 | Michael A Ziegler | 10 |

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# Analysis Report



**Sample Description: MP07 Summa Can# 1077 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6451882**
**LLI Group # 1273496**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 16:07 by CP

Submitted: 10/27/2011 09:25
Reported: 11/01/2011 17:02

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

-1077

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 390 | | 50 | 920 | | 120 | 100 |
| 05298 | Benzene | 71-43-2 | N.D. | | 20 | N.D. | | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 50 | N.D. | | 110 | 100 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 50 | N.D. | | 150 | 100 |
| 05298 | Carbon Disulfide | 75-15-0 | 100 | J | 20 | 310 | J | 62 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 20 | N.D. | | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 20 | N.D. | | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 20 | N.D. | | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 20 | N.D. | | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 43 | J | 20 | 170 | J | 81 | 100 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 20 | N.D. | | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 4,100 | | 20 | 16,000 | | 79 | 100 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 20 | N.D. | | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | N.D. | | 20 | N.D. | | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | N.D. | | 20 | N.D. | | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 140 | | 20 | 480 | | 69 | 100 |
| 05298 | Octane | 111-65-9 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Pentane | 109-66-0 | N.D. | | 20 | N.D. | | 59 | 100 |
| 05298 | Styrene | 100-42-5 | N.D. | | 20 | N.D. | | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Toluene | 108-88-3 | 380 | | 20 | 1,400 | | 75 | 100 |

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# Analysis Report



**Sample Description: MP07 Summa Can# 1077 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6451882**
**LLI Group # 1273496**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 16:07 by CP

Submitted: 10/27/2011 09:25
Reported: 11/01/2011 17:02

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

-1077

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 2,700 | 20 | 15,000 | 110 | 100 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 20 | N.D. | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 20 | N.D. | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 20 | N.D. | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 20 | N.D. | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 20 | N.D. | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 20 | N.D. | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 20 | N.D. | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 20 | N.D. | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 20 | N.D. | 87 | 100 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1130130AB | 10/31/2011 00:48 | Michael A Ziegler | 100 |

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# Analysis Report



**Sample Description: MP65S Summa Can# 316 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6451883**
**LLI Group # 1273496**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 17:40 by CP

Submitted: 10/27/2011 09:25
Reported: 11/01/2011 17:02

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

--316

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 1,100 | J | 500 | 2,600 | J | 1,200 | 1000 |
| 05298 | Benzene | 71-43-2 | N.D. | | 200 | N.D. | | 640 | 1000 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 200 | N.D. | | 2,100 | 1000 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 200 | N.D. | | 780 | 1000 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 500 | N.D. | | 1,100 | 1000 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 500 | N.D. | | 1,500 | 1000 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 200 | N.D. | | 620 | 1000 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 200 | N.D. | | 710 | 1000 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 200 | N.D. | | 530 | 1000 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 200 | N.D. | | 410 | 1000 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 200 | N.D. | | 630 | 1000 |
| 05298 | Cumene | 98-82-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 200 | N.D. | | 1,700 | 1000 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 200 | N.D. | | 1,500 | 1000 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 200 | N.D. | | 990 | 1000 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | N.D. | | 200 | N.D. | | 810 | 1000 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 200 | N.D. | | 810 | 1000 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 37,000 | | 200 | 150,000 | | 790 | 1000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 200 | N.D. | | 840 | 1000 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 200 | N.D. | | 870 | 1000 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 500 | N.D. | | 3,800 | 1000 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Heptane | 142-82-5 | N.D. | | 200 | N.D. | | 820 | 1000 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 200 | N.D. | | 1,900 | 1000 |
| 05298 | Hexane | 110-54-3 | N.D. | | 200 | N.D. | | 700 | 1000 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 200 | N.D. | | 720 | 1000 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Methylene Chloride | 75-09-2 | 260 | J | 200 | 900 | J | 690 | 1000 |
| 05298 | Octane | 111-65-9 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Pentane | 109-66-0 | N.D. | | 200 | N.D. | | 590 | 1000 |
| 05298 | Styrene | 100-42-5 | N.D. | | 200 | N.D. | | 850 | 1000 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Toluene | 108-88-3 | N.D. | | 200 | N.D. | | 750 | 1000 |

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# Analysis Report



**Sample Description: MP65S Summa Can# 316 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6451883**
**LLI Group # 1273496**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 17:40 by CP

Submitted: 10/27/2011 09:25
Reported: 11/01/2011 17:02

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

--316

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 340 | J | 200 | 1,900 | J | 1,100 | 1000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 200 | N.D. | | 1,100 | 1000 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 200 | N.D. | | 1,100 | 1000 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 200 | N.D. | | 1,100 | 1000 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 200 | N.D. | | 510 | 1000 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 200 | N.D. | | 870 | 1000 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 200 | N.D. | | 870 | 1000 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1130130AB | 10/31/2011 01:31 | Michael A Ziegler | 1000 |

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# Analysis Report



**Sample Description: MP03 Summa Can# 839 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6451884**
**LLI Group # 1273496**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 15:36 by CP

Submitted: 10/27/2011 09:25
Reported: 11/01/2011 17:02

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

--839

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | N.D. | | 5.0 | N.D. | | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 5.0 | N.D. | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | 2.2 | J | 2.0 | 6.7 | J | 6.2 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 27 | | 2.0 | 110 | | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 2.1 | J | 2.0 | 8.6 | J | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 530 | | 2.0 | 2,100 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | 2.6 | J | 2.0 | 11 | J | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | 2.8 | J | 2.0 | 9.7 | J | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | 5.8 | J | 2.0 | 39 | J | 14 | 10 |
| 05298 | Toluene | 108-88-3 | 800 | | 2.0 | 3,000 | | 7.5 | 10 |

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# Analysis Report



**Sample Description: MP03 Summa Can# 839 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6451884**
**LLI Group # 1273496**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 15:36 by CP

Submitted: 10/27/2011 09:25
Reported: 11/01/2011 17:02

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

--839

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 4,100 | | 100 | 22,000 | | 550 | 500 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 4.9 | J | 2.0 | 28 | J | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 2.0 | N.D. | | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | 14 | | 2.0 | 59 | | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | 4.3 | J | 2.0 | 19 | J | 8.7 | 10 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1130130AB | 10/31/2011 02:15 | Michael A Ziegler | 10 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1130130AB | 10/31/2011 12:13 | Jeffrey B Smith | 500 |

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# Analysis Report



**Sample Description: MP04 Summa Can# 815 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6451885**
**LLI Group # 1273496**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 15:27 by CP

Submitted: 10/27/2011 09:25
Reported: 11/01/2011 17:02

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

--815

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 7.4 | | 0.50 | 18 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | N.D. | | 0.20 | N.D. | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 1.7 | J | 0.50 | 5.0 | J | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 0.55 | J | 0.20 | 1.7 | J | 0.62 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 0.50 | J | 0.20 | 1.8 | J | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 0.20 | N.D. | | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 1.4 | | 0.20 | 7.1 | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.51 | J | 0.20 | 2.5 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 2.2 | | 0.20 | 9.0 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 74 | | 0.20 | 290 | | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 0.20 | N.D. | | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.34 | J | 0.20 | 1.0 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | N.D. | | 0.20 | N.D. | | 0.75 | 1 |

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# Analysis Report



**Sample Description: MP04 Summa Can# 815 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6451885**
**LLI Group # 1273496**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 15:27 by CP

Submitted: 10/27/2011 09:25
Reported: 11/01/2011 17:02

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

--815

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 0.79 | J | 0.20 | 4.3 | J | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 5.1 | | 0.20 | 29 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | 0.21 | J | 0.20 | 0.52 | J | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1130130AB | 10/31/2011 11:19 | Michael A Ziegler | 1 |

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# Analysis Report



**Sample Description: MP06 Summa Can# 95 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6451886**
**LLI Group # 1273496**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 15:52 by CP

Submitted: 10/27/2011 09:25
Reported: 11/01/2011 17:02

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

---95

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | Acetone | 67-64-1 | N.D. | 5.0 | N.D. | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | 2.0 | N.D. | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | 2.0 | N.D. | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | 2.0 | N.D. | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | 2.0 | N.D. | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | 2.0 | N.D. | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | 5.0 | N.D. | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | 5.0 | N.D. | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | 2.0 | N.D. | 6.2 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | 2.0 | N.D. | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | 2.0 | N.D. | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | 2.0 | N.D. | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | 2.0 | N.D. | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | 2.0 | N.D. | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | 2.0 | N.D. | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | 2.0 | N.D. | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | 2.0 | N.D. | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | 2.0 | N.D. | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 2.0 | N.D. | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 2.0 | N.D. | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 2.0 | N.D. | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | 2.0 | N.D. | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 17 | 2.0 | 70 | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | 2.0 | N.D. | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 560 | 2.0 | 2,200 | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | 2.0 | N.D. | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 2.0 | N.D. | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | 2.0 | N.D. | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | 2.0 | N.D. | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | 2.0 | N.D. | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | 2.0 | N.D. | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | 2.0 | N.D. | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | 5.0 | N.D. | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | 2.0 | N.D. | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | 2.0 | N.D. | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | 2.0 | N.D. | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | 2.0 | N.D. | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | 5.0 | N.D. | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | 2.0 | N.D. | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | 2.0 | N.D. | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | N.D. | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | 2.0 | N.D. | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | 2.0 | N.D. | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | 2.0 | N.D. | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | 2.0 | N.D. | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | 2.0 | N.D. | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | 2.0 | N.D. | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | 2.0 | N.D. | 14 | 10 |
| 05298 | Toluene | 108-88-3 | 64 | 2.0 | 240 | 7.5 | 10 |

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# Analysis Report



**Sample Description: MP06 Summa Can# 95 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6451886**
**LLI Group # 1273496**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 15:52 by CP

Submitted: 10/27/2011 09:25
Reported: 11/01/2011 17:02

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

---95

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 1,400 | | 100 | 7,700 | | 550 | 500 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 6.2 | J | 2.0 | 35 | J | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 2.0 | N.D. | | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1130130AB | 10/31/2011 03:43 | Michael A Ziegler | 10 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1130130AB | 10/31/2011 12:57 | Jeffrey B Smith | 500 |

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# Analysis Report



**Sample Description: VW6 Summa Can# 3 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6451887**
**LLI Group # 1273496**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 15:43 by CP

Submitted: 10/27/2011 09:25
Reported: 11/01/2011 17:02

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

---3-

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | N.D. | | 500 | N.D. | | 1,200 | 1000 |
| 05298 | Benzene | 71-43-2 | N.D. | | 200 | N.D. | | 640 | 1000 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 200 | N.D. | | 2,100 | 1000 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 200 | N.D. | | 780 | 1000 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 500 | N.D. | | 1,100 | 1000 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 500 | N.D. | | 1,500 | 1000 |
| 05298 | Carbon Disulfide | 75-15-0 | 210 | J | 200 | 650 | J | 620 | 1000 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 200 | N.D. | | 710 | 1000 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 200 | N.D. | | 530 | 1000 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 200 | N.D. | | 410 | 1000 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 200 | N.D. | | 630 | 1000 |
| 05298 | Cumene | 98-82-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 200 | N.D. | | 1,700 | 1000 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 200 | N.D. | | 1,500 | 1000 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 200 | N.D. | | 990 | 1000 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 390 | J | 200 | 1,600 | J | 810 | 1000 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 200 | N.D. | | 810 | 1000 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 20,000 | | 200 | 80,000 | | 790 | 1000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 200 | N.D. | | 840 | 1000 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 200 | N.D. | | 870 | 1000 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 500 | N.D. | | 3,800 | 1000 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Heptane | 142-82-5 | N.D. | | 200 | N.D. | | 820 | 1000 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 200 | N.D. | | 1,900 | 1000 |
| 05298 | Hexane | 110-54-3 | N.D. | | 200 | N.D. | | 700 | 1000 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 200 | N.D. | | 720 | 1000 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Methylene Chloride | 75-09-2 | 250 | J | 200 | 870 | J | 690 | 1000 |
| 05298 | Octane | 111-65-9 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Pentane | 109-66-0 | N.D. | | 200 | N.D. | | 590 | 1000 |
| 05298 | Styrene | 100-42-5 | N.D. | | 200 | N.D. | | 850 | 1000 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Toluene | 108-88-3 | 600 | J | 200 | 2,300 | J | 750 | 1000 |

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# Analysis Report



**Sample Description: VW6 Summa Can# 3 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6451887**
**LLI Group # 1273496**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 15:43 by CP

Submitted: 10/27/2011 09:25
Reported: 11/01/2011 17:02

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

---3-

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 17,000 | 200 | 93,000 | 1,100 | 1000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 200 | N.D. | 1,200 | 1000 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 200 | N.D. | 980 | 1000 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 200 | N.D. | 980 | 1000 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 200 | N.D. | 510 | 1000 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 200 | N.D. | 870 | 1000 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 200 | N.D. | 870 | 1000 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1130130AB | 10/31/2011 04:26 | Michael A Ziegler | 1000 |

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# Analysis Report



**Sample Description: MW64 Summa Can# 870 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6451888**
**LLI Group # 1273496**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 16:12 by CP

Submitted: 10/27/2011 09:25
Reported: 11/01/2011 17:02

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

-870-

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | N.D. | | 500 | N.D. | | 1,200 | 1000 |
| 05298 | Benzene | 71-43-2 | N.D. | | 200 | N.D. | | 640 | 1000 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 200 | N.D. | | 2,100 | 1000 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 200 | N.D. | | 780 | 1000 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 500 | N.D. | | 1,100 | 1000 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 500 | N.D. | | 1,500 | 1000 |
| 05298 | Carbon Disulfide | 75-15-0 | 310 | J | 200 | 970 | J | 620 | 1000 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 200 | N.D. | | 710 | 1000 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 200 | N.D. | | 530 | 1000 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 200 | N.D. | | 410 | 1000 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 200 | N.D. | | 630 | 1000 |
| 05298 | Cumene | 98-82-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 200 | N.D. | | 1,700 | 1000 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 200 | N.D. | | 1,500 | 1000 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 200 | N.D. | | 990 | 1000 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 900 | J | 200 | 3,700 | J | 810 | 1000 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 200 | N.D. | | 810 | 1000 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 79,000 | | 200 | 310,000 | | 790 | 1000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 200 | N.D. | | 840 | 1000 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 200 | N.D. | | 870 | 1000 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 500 | N.D. | | 3,800 | 1000 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Heptane | 142-82-5 | N.D. | | 200 | N.D. | | 820 | 1000 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 200 | N.D. | | 1,900 | 1000 |
| 05298 | Hexane | 110-54-3 | N.D. | | 200 | N.D. | | 700 | 1000 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 200 | N.D. | | 720 | 1000 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Methylene Chloride | 75-09-2 | 210 | J | 200 | 740 | J | 690 | 1000 |
| 05298 | Octane | 111-65-9 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Pentane | 109-66-0 | N.D. | | 200 | N.D. | | 590 | 1000 |
| 05298 | Styrene | 100-42-5 | N.D. | | 200 | N.D. | | 850 | 1000 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Toluene | 108-88-3 | 1,300 | | 200 | 5,000 | | 750 | 1000 |

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# Analysis Report



**Sample Description: MW64 Summa Can# 870 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6451888**
**LLI Group # 1273496**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 16:12 by CP

Submitted: 10/27/2011 09:25
Reported: 11/01/2011 17:02

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

-870-

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 20,000 | 200 | 110,000 | 1,100 | 1000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 200 | N.D. | 1,200 | 1000 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 200 | N.D. | 980 | 1000 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 200 | N.D. | 980 | 1000 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 200 | N.D. | 510 | 1000 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 200 | N.D. | 870 | 1000 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 200 | N.D. | 870 | 1000 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1130130AB | 10/31/2011 05:10 | Michael A Ziegler | 1000 |

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# Analysis Report



**Sample Description: Undiluted Summa Can# 188 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6451889**
**LLI Group # 1273496**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 17:14 by CP

Submitted: 10/27/2011 09:25
Reported: 11/01/2011 17:02

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

-188-

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 6.9 | J | 5.0 | 16 | J | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 5.0 | N.D. | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 2.0 | N.D. | | 6.2 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 21 | | 2.0 | 83 | | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 1,100 | | 100 | 4,400 | | 400 | 500 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | 2.4 | J | 2.0 | 8.2 | J | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Toluene | 108-88-3 | 160 | | 2.0 | 610 | | 7.5 | 10 |

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# Analysis Report



**Sample Description: Undiluted Summa Can# 188 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6451889**
**LLI Group # 1273496**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 17:14 by CP

Submitted: 10/27/2011 09:25
Reported: 11/01/2011 17:02

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

-188-

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 1,300 | | 100 | 7,200 | | 550 | 500 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 3.5 | J | 2.0 | 20 | J | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 2.0 | N.D. | | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | 2.0 | J | 2.0 | 8.8 | J | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1130130AB | 10/31/2011 05:54 | Michael A Ziegler | 10 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1130130AB | 10/31/2011 13:40 | Jeffrey B Smith | 500 |

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# Analysis Report



**Sample Description: VW5 Summa Can# 514 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6451890**
**LLI Group # 1273496**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 16:19 by CP

Submitted: 10/27/2011 09:25
Reported: 11/01/2011 17:02

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

-514-

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 1,500 | J | 500 | 3,500 | J | 1,200 | 1000 |
| 05298 | Benzene | 71-43-2 | N.D. | | 200 | N.D. | | 640 | 1000 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 200 | N.D. | | 2,100 | 1000 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 200 | N.D. | | 780 | 1000 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 500 | N.D. | | 1,100 | 1000 |
| 05298 | 2-Butanone | 78-93-3 | 800 | J | 500 | 2,400 | J | 1,500 | 1000 |
| 05298 | Carbon Disulfide | 75-15-0 | 380 | J | 200 | 1,200 | J | 620 | 1000 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 200 | N.D. | | 710 | 1000 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 200 | N.D. | | 530 | 1000 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 200 | N.D. | | 410 | 1000 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 200 | N.D. | | 630 | 1000 |
| 05298 | Cumene | 98-82-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 200 | N.D. | | 1,700 | 1000 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 200 | N.D. | | 1,500 | 1000 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 200 | N.D. | | 990 | 1000 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 460 | J | 200 | 1,900 | J | 810 | 1000 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 200 | N.D. | | 810 | 1000 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 86,000 | | 200 | 340,000 | | 790 | 1000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 200 | N.D. | | 840 | 1000 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 200 | N.D. | | 870 | 1000 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 500 | N.D. | | 3,800 | 1000 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Heptane | 142-82-5 | N.D. | | 200 | N.D. | | 820 | 1000 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 200 | N.D. | | 1,900 | 1000 |
| 05298 | Hexane | 110-54-3 | N.D. | | 200 | N.D. | | 700 | 1000 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 200 | N.D. | | 720 | 1000 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 200 | N.D. | | 690 | 1000 |
| 05298 | Octane | 111-65-9 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Pentane | 109-66-0 | N.D. | | 200 | N.D. | | 590 | 1000 |
| 05298 | Styrene | 100-42-5 | N.D. | | 200 | N.D. | | 850 | 1000 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Toluene | 108-88-3 | N.D. | | 200 | N.D. | | 750 | 1000 |

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# Analysis Report



**Sample Description: VW5 Summa Can# 514 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6451890**
**LLI Group # 1273496**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 16:19 by CP

Submitted: 10/27/2011 09:25
Reported: 11/01/2011 17:02

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

-514-

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 2,700 | 200 | 15,000 | 1,100 | 1000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 200 | N.D. | 1,200 | 1000 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 200 | N.D. | 980 | 1000 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 200 | N.D. | 980 | 1000 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 200 | N.D. | 510 | 1000 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 200 | N.D. | 870 | 1000 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 200 | N.D. | 870 | 1000 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1130130AB | 10/31/2011 06:37 | Michael A Ziegler | 1000 |

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# Analysis Report



**Sample Description: MP05 Summa Can# 414 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6451891**
**LLI Group # 1273496**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 15:18 by CP

Submitted: 10/27/2011 09:25
Reported: 11/01/2011 17:02

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

-414-

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 7.1 | | 0.50 | 17 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | N.D. | | 0.20 | N.D. | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 1.7 | J | 0.50 | 5.1 | J | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 0.76 | J | 0.20 | 2.4 | J | 0.62 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 0.42 | J | 0.20 | 1.5 | J | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 0.20 | N.D. | | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 0.75 | J | 0.20 | 3.7 | J | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.50 | J | 0.20 | 2.5 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 160 | | 2.0 | 620 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 0.20 | N.D. | | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.41 | J | 0.20 | 1.2 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 0.23 | J | 0.20 | 0.87 | J | 0.75 | 1 |

Lancaster Laboratories

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# Analysis Report



**Sample Description: MP05 Summa Can# 414 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6451891**
**LLI Group # 1273496**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/24/2011 15:18 by CP

Submitted: 10/27/2011 09:25
Reported: 11/01/2011 17:02

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

-414-

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 0.82 | J | 0.20 | 4.5 | J | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 4.7 | | 0.20 | 26 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 0.38 | J | 0.20 | 1.6 | J | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 0.22 | J | 0.20 | 0.95 | J | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1130130AB | 10/31/2011 07:25 | Michael A Ziegler | 1 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1130130AB | 10/31/2011 10:31 | Michael A Ziegler | 10 |

## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1273496
Reported: 11/01/11 at 05:02 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

## Laboratory Compliance Quality Control

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: D1130130AA | Sample number(s): 6451875-6451880 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 105 | 112 | 56-144 | 7 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 77 | 79 | 70-130 | 2 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 86 | 88 | 73-132 | 2 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 102 | 103 | 65-135 | 1 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 92 | 100 | 70-130 | 8 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 87 | 93 | 65-138 | 6 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 90 | 100 | 63-135 | 10 | 25 |
| Carbon Disulfide | N.D. | 0.20 | ppb(v) | 80 | 85 | 59-112 | 6 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 85 | 88 | 70-130 | 3 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 82 | 81 | 70-130 | 1 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 85 | 86 | 71-137 | 2 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 83 | 84 | 70-130 | 2 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 92 | 95 | 59-135 | 3 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 86 | 86 | 70-128 | 1 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 88 | 87 | 71-129 | 1 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 111 | 109 | 42-149 | 1 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 100 | 100 | 47-141 | 0 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 105 | 105 | 43-143 | 0 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 97 | 101 | 75-141 | 4 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 81 | 84 | 65-127 | 4 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 82 | 83 | 70-130 | 1 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 83 | 90 | 62-118 | 8 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 78 | 82 | 63-125 | 5 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 82 | 85 | 63-119 | 4 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 74 | 74 | 70-130 | 1 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 86 | 89 | 66-127 | 3 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 83 | 82 | 64-126 | 1 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 83 | 83 | 70-130 | 1 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 92 | 94 | 56-138 | 3 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 80 | 83 | 66-120 | 4 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 87 | 92 | 64-141 | 5 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 74 | 76 | 62-124 | 3 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 80 | 82 | 59-123 | 3 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 98 | 103 | 44-184 | 5 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 87 | 93 | 62-125 | 7 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 93 | 100 | 62-151 | 7 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 88 | 91 | 70-130 | 3 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1273496
Reported: 11/01/11 at 05:02 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 97 | 98 | 65-136 | 1 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 98 | 102 | 49-148 | 4 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 75 | 74 | 70-130 | 1 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 79 | 78 | 70-130 | 1 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 83 | 85 | 70-130 | 3 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 80 | 79 | 64-129 | 1 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 81 | 81 | 70-130 | 1 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 98 | 105 | 70-130 | 7 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 94 | 96 | 52-142 | 2 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 98 | 99 | 59-144 | 2 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 98 | 103 | 70-130 | 6 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 92 | 92 | 70-130 | 0 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 88 | 89 | 70-130 | 1 | 25 |
| Batch number: D1130130AB | Sample number(s): 6451875,6451878-6451891 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 105 | 112 | 56-144 | 7 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 77 | 79 | 70-130 | 2 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 86 | 88 | 73-132 | 2 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 102 | 103 | 65-135 | 1 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 92 | 100 | 70-130 | 8 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 87 | 93 | 65-138 | 6 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 90 | 100 | 63-135 | 10 | 25 |
| Carbon Disulfide | N.D. | 0.20 | ppb(v) | 80 | 85 | 59-112 | 6 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 85 | 88 | 70-130 | 3 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 82 | 81 | 70-130 | 1 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 85 | 86 | 71-137 | 2 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 83 | 84 | 70-130 | 2 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 92 | 95 | 59-135 | 3 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 86 | 86 | 70-128 | 1 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 88 | 87 | 71-129 | 1 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 111 | 109 | 42-149 | 1 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 100 | 100 | 47-141 | 0 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 105 | 105 | 43-143 | 0 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 97 | 101 | 75-141 | 4 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 81 | 84 | 65-127 | 4 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 82 | 83 | 70-130 | 1 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 83 | 90 | 62-118 | 8 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 78 | 82 | 63-125 | 5 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 82 | 85 | 63-119 | 4 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 74 | 74 | 70-130 | 1 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 86 | 89 | 66-127 | 3 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 83 | 82 | 64-126 | 1 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 83 | 83 | 70-130 | 1 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 92 | 94 | 56-138 | 3 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 80 | 83 | 66-120 | 4 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 87 | 92 | 64-141 | 5 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 74 | 76 | 62-124 | 3 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1273496
Reported: 11/01/11 at 05:02 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Hexane | N.D. | 0.20 | ppb(v) | 80 | 82 | 59-123 | 3 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 98 | 103 | 44-184 | 5 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 87 | 93 | 62-125 | 7 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 93 | 100 | 62-151 | 7 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 88 | 91 | 70-130 | 3 | 25 |
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 97 | 98 | 65-136 | 1 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 98 | 102 | 49-148 | 4 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 75 | 74 | 70-130 | 1 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 79 | 78 | 70-130 | 1 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 83 | 85 | 70-130 | 3 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 80 | 79 | 64-129 | 1 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 81 | 81 | 70-130 | 1 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 98 | 105 | 70-130 | 7 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 94 | 96 | 52-142 | 2 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 98 | 99 | 59-144 | 2 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 98 | 103 | 70-130 | 6 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 92 | 92 | 70-130 | 0 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 88 | 89 | 70-130 | 1 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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Lancaster, PA 17601
Tel: (717) 656-2300

# TO-15 External Chain of Custody Record/Field Test Data Sheets

6556 / 273496 / 645875-91

Lancaster Laboratories

| | | | |
|---|---|---|---|
| **Client Contact Information** | **Project Manager:** Todd Hall | **Carrier:** | 1 of 3 COCs |
| Company: Roadrunner Express Inc. | **Phone:** 828-229-4600 | **Samplers Name(s)** Colvin Pruitt | Analysis / Matrix |
| Address: 3945 Thurmond Tanner Road, , | **Site Contact:** | | |
| City/State/Zip: Flowery Branch,GA 30542 | | | |
| Phone: 770-967-6501 | | | |
| FAX: | | | |
| Project Name: Avery Dennison / Flowery Branch, GA | **Analysis Turnaround Time** | | |
| Site: | Standard (Specify) | | |
| PO # : | Rush (Specify) | | |

| Sample Identification | Sample Date(s) | Time Start (24 hr clock) | Time Stop (24 hr clock) | Canister Pressure in Field ("Hg) (Start) | Canister Pressure in Field ("Hg) (Stop) | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Flow Reg. ID | Can ID | Can Size (L) | Controller Flowrate (ml/min) | TO-15 | Indoor Air | Ambient Air | Soil Gas | Sub Slab |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MP 10 | 10/24 | 16:37 | | 27 | 1 | | | | 204 | 6 | | X | | | | |
| MP 02 | 10/24 | 17:02 | | 27 | 1 | | | | 1031 | 6 | | X | | | | |
| VW 3 | 10/24 | 16:58 | | 27 | 1 | | | | 880 | 6 | | X | | | | |
| MP 09 | 10/24 | 17:10 | | 26 | 1 | | | | 1107 | 6 | | X | | | | |
| | | 1707 | | | | | | | 891 | 6 | | | | | | |
| MP 11 | 10/24 | 17:08 | | 26 | 1 | | | | 891 | 6 | | X | | | | |

per T. Hall
WZK 11/1/11

| Temperature (Fahrenheit) | Ambient | Maximum | Minimum |
|---|---|---|---|
| Start | | | |
| Stop | | | |

| Pressure (inches of Hg) | Ambient | Maximum | Minimum |
|---|---|---|---|
| Start | | | |
| Stop | | | |

**Special Instructions/QC Requirements & Comments:**

Send results to Todd Hall TAH@JCOmail.com

| | | | |
|---|---|---|---|
| Canisters Shipped by: | Date/Time: | Canisters Received by: | Date/Time: |
| Samples Relinquished by: Colvin Pruitt | Date/Time: 10/25 | Received by: | Date/Time: |
| Relinquished by: | Date/Time: | Received by: Nancy H. Lees | Date/Time: 10-27-11 0925 |

Lancaster Laboratories Inc
2425 New Holland Pike
Lancaster, PA 17601
Tel: (717) 656-2300

# TO-15 External Chain of Custody Record/Field Test Data Sheets

6556/127396/6451875-91

Lancaster Laboratories

| Client Contact Information | Project Manager: | Carrier: | 2 of 3 COCs |
|---|---|---|---|
| Company: Roadrunner Express Inc. | Phone: | Samplers Name(s) | Analyses |
| Address: 3945 Thurmond Tanner Road, , | Site Contact: | | |
| City/State/Zip: Flowery Branch,GA 30542 | | | |
| Phone: 770-967-6501 | | | |
| FAX: | | | |
| Project Name: Avery Dennison / Flowery Branch, GA | Analysis Turnaround Time | | |
| Site: | Standard (Specify) | | |
| PO # : | Rush (Specify) | | |

| Sample Identification | Sample Date(s) | Time Start (24 hr clock) | Time Stop (24 hr clock) | Canister Pressure in Field ("Hg) (Start) | Canister Pressure in Field ("Hg) (Stop) | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Flow Reg. ID | Can ID | Can Size (L) | Controller Flowrate (ml/min) | TO-15 | Indoor Air | Ambient Air | Soil Gas | Sub Slab |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MP 08 | 10/24 | 16:32 | | 27 | 1 | | | | 164 | 6 | | X | | | | |
| Blower | 10/24 | 17:17 | | 27 | 0 | | | | 15 | 6 | | X | | | | |
| MP 07 | 10/24 | 16:07 | | 27 | 1 | | | | 1077 | 6 | | X | | | | |
| MW 65S | 10/24 | 17:10 | | 24 | 2 | | | | 316 | 6 | | X | | | | |
| MP 03 | 10/24 | 15:36 | | 27 | 2 | | | | 839 | 6 | | X | | | | |
| MP 04 | 10/24 | 15:27 | | 27 | 1 | | | | 815 | 6 | | X | | | | |

| Temperature (Fahrenheit) | Ambient | Maximum | Minimum |
|---|---|---|---|
| Start | | | |
| Stop | | | |

| Pressure (inches of Hg) | Ambient | Maximum | Minimum |
|---|---|---|---|
| Start | | | |
| Stop | | | |

**Special Instructions/QC Requirements & Comments:**

| Canisters Shipped by: | Date/Time: | Canisters Received by: | Date/Time: |
|---|---|---|---|
| Samples Relinquished by: | Date/Time: | Received by: | Date/Time: |
| Relinquished by: | Date/Time: | Received by: Nancy H. Sees | Date/Time: 10-27-11 0925 |

Lancaster Laboratories Inc
2425 New Holland Pike
Lancaster, PA 17601
Tel: (717) 656-2300

# TO-15 External Chain of Custody Record/Field Test Data Sheets

6556 / 1273496 / 645975-91

Lancaster Laboratories

| | | | |
|---|---|---|---|
| **Client Contact Information** | **Project Manager:** | **Carrier:** | 3 of 3 COCs |
| Company: Roadrunner Express Inc. | **Phone:** | **Samplers Name(s)** | Analysis / Matrix |
| Address: 3945 Thurmond Tanner Road, , | **Site Contact:** | | |
| City/State/Zip: Flowery Branch,GA 30542 | | | |
| Phone: 770-967-6501 | | | |
| FAX: | | | |
| Project Name: Avery Dennison / Flowery Branch, GA | **Analysis Turnaround Time** | | |
| Site: | Standard (Specify) | | |
| PO # : | Rush (Specify) | | |

| Sample Identification | Sample Date(s) | Time Start (24 hr clock) | Time Stop (24 hr clock) | Canister Pressure in Field ("Hg) (Start) | Canister Pressure in Field ("Hg) (Stop) | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Flow Reg. ID | Can ID | Can Size (L) | Controller Flowrate (ml/min) | TO-15 | | | Indoor Air | Ambient Air | Soil Gas | Sub Slab |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MP 06 | 10/24 | 15:52 | | 27 | 1 | | | | 95 | 6 | | X | | | | | | |
| VW 6 | 10/24 | 15:43 | | 27 | 1 | | | | 3 | 6 | | X | | | | | | |
| MW 6d | 10/24 | 16:12 | | 27 | 1 | | | | 870 | 6 | | X | | | | | | |
| Undiluted | 10/24 | 17:14 | | 27 | 0 | | | | 188 | 6 | | X | | | | | | |
| VW 5 | 10/24 | 16:19 | | 27 | 1 | | | | 514 | 6 | | X | | | | | | |
| MP 05 | 10/24 | 15:18 | | 27 | 2 | | | | 414 | 6 | | X | | | | | | |

| Temperature (Fahrenheit) | Ambient | Maximum | Minimum |
|---|---|---|---|
| Start | | | |
| Stop | | | |

| Pressure (inches of Hg) | Ambient | Maximum | Minimum |
|---|---|---|---|
| Start | | | |
| Stop | | | |

**Special Instructions/QC Requirements & Comments:**

| | | | |
|---|---|---|---|
| Canisters Shipped by: | Date/Time: | Canisters Received by: | Date/Time: |
| Samples Relinquished by: | Date/Time: | Received by: | Date/Time: |
| Relinquished by: | Date/Time: | Received by: Nancy A. Ness | Date/Time: 10-22-4 0925 |

Lancaster Laboratories

# Environmental Sample Administration
# Receipt Documentation Log

**Client/Project:** Rockwater Energy, Inc

**Date of Receipt:** 10-27-11

**Time of Receipt:** 0925

**Source Code:** 50

**Shipping Container Sealed:** (YES) NO

**Custody Seal Present * :** YES (NO)

* Custody seal was intact unless otherwise noted in the discrepancy section

**Package:** Chilled (Not Chilled)

| Temperature of Shipping Containers | | | | | | | |
|---|---|---|---|---|---|---|---|
| Cooler # | Thermometer ID | Temperature (°C) | Temp Bottle (TB) or Surface Temp (ST) | Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP) | Ice Present? Y/N | Loose (L) Bagged Ice (B) or NA | Comments |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |

**Number of Trip Blanks received NOT listed on chain of custody:** _____

**Paperwork Discrepancy/Unpacking Problems:**

Bag of Tubes
1 Large

Can # 891 - Paperwork Rec 26-1708 - Can Rec 27-1707

**Unpacker Signature/Emp#:** Nancy A. Hess **Date/Time:** 10-27-11 1025

Issued by Dept. 6042 Management

2174.06

# Explanation of Symbols and Abbreviations

*The following defines common symbols and abbreviations used in reporting technical data:*

| | | | |
|---|---|---|---|
| **RL** | Reporting Limit | **BMQL** | Below Minimum Quantitation Level |
| **N.D.** | none detected | **MPN** | Most Probable Number |
| **TNTC** | Too Numerous To Count | **CP Units** | cobalt-chloroplatinate units |
| **IU** | International Units | **NTU** | nephelometric turbidity units |
| **umhos/cm** | micromhos/cm | **ng** | nanogram(s) |
| **C** | degrees Celsius | **F** | degrees Fahrenheit |
| **meq** | milliequivalents | **lb.** | pound(s) |
| **g** | gram(s) | **kg** | kilogram(s) |
| **ug** | microgram(s) | **mg** | milligram(s) |
| **ml** | milliliter(s) | **l** | liter(s) |
| **m3** | cubic meter(s) | **ul** | microliter(s) |

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**J** estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

*U.S. EPA CLP Data Qualifiers:*

**Organic Qualifiers**

| | |
|---|---|
| **A** | TIC is a possible aldol-condensation product |
| **B** | Analyte was also detected in the blank |
| **C** | Pesticide result confirmed by GC/MS |
| **D** | Compound quantitated on a diluted sample |
| **E** | Concentration exceeds the calibration range of the instrument |
| **N** | Presumptive evidence of a compound (TICs only) |
| **P** | Concentration difference between primary and confirmation columns >25% |
| **U** | Compound was not detected |
| **X,Y,Z** | Defined in case narrative |

**Inorganic Qualifiers**

| | |
|---|---|
| **B** | Value is <CRDL, but ≥IDL |
| **E** | Estimated due to interference |
| **M** | Duplicate injection precision not met |
| **N** | Spike sample not within control limits |
| **S** | Method of standard additions (MSA) used for calculation |
| **U** | Compound was not detected |
| **W** | Post digestion spike out of control limits |
| ***** | Duplicate analysis not within control limits |
| **+** | Correlation coefficient for MSA <0.995 |

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

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# Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

November 03, 2011

Project: Avery Dennison / Flowery Branch, GA

Submittal Date: 11/01/2011
Group Number: 1274109
PO Number: 1-0145-4
State of Sample Origin: GA

| Client Sample Description | Lancaster Labs (LLI) # |
|---|---|
| SVE-2 Air | 6455853 |
| SVE-3 Air | 6455854 |
| SVE-6 Air | 6455855 |
| SVE-1 Air | 6455856 |
| SVE-4 Air | 6455857 |
| SVE-5 Air | 6455858 |

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO The Johnson Company, Inc. Attn: Todd Hall

Lancaster Laboratories

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# Analysis Report

Questions? Contact your Client Services Representative
Wendy A Kozma at (717) 656-2300 Ext. 1522

Respectfully Submitted,

Rachel R. Cochis
Group Leader

Lancaster Laboratories

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# Analysis Report



**Sample Description:** SVE-2 Air
Summa Canister #547
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6455853**
**LLI Group # 1274109**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/28/2011 14:39 by TRO

Submitted: 11/01/2011 09:35
Reported: 11/03/2011 21:12

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 720 | | 50 | 1,700 | | 120 | 100 |
| 05298 | Benzene | 71-43-2 | N.D. | | 20 | N.D. | | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 50 | N.D. | | 110 | 100 |
| 05298 | 2-Butanone | 78-93-3 | 180 | J | 50 | 520 | J | 150 | 100 |
| 05298 | Carbon Disulfide | 75-15-0 | 180 | | 20 | 550 | | 62 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 20 | N.D. | | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 20 | N.D. | | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 20 | N.D. | | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 20 | N.D. | | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 480 | | 20 | 1,900 | | 81 | 100 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 35 | J | 20 | 140 | J | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 20,000 | | 200 | 79,000 | | 790 | 1000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 20 | N.D. | | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | N.D. | | 20 | N.D. | | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | 21 | J | 20 | 73 | J | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 330 | | 20 | 1,100 | | 69 | 100 |
| 05298 | Octane | 111-65-9 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Pentane | 109-66-0 | N.D. | | 20 | N.D. | | 59 | 100 |
| 05298 | Styrene | 100-42-5 | 25 | J | 20 | 110 | J | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 20 | N.D. | | 140 | 100 |

Lancaster Laboratories

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# Analysis Report



**Sample Description: SVE-2 Air**
**Summa Canister #547**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6455853**
**LLI Group # 1274109**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/28/2011 14:39 by TRO

Submitted: 11/01/2011 09:35
Reported: 11/03/2011 21:12

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 6,500 | | 20 | 25,000 | | 75 | 100 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 7,000 | | 20 | 38,000 | | 110 | 100 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | 20 | J | 20 | 110 | J | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 20 | N.D. | | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | 55 | J | 20 | 240 | J | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | 22 | J | 20 | 96 | J | 87 | 100 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1130630AA | 11/03/2011 00:31 | Michael A Ziegler | 100 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1130630AA | 11/03/2011 05:35 | Michael A Ziegler | 1000 |

Lancaster Laboratories

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# Analysis Report



**Sample Description:** SVE-3 Air
Summa Canister #538
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6455854**
**LLI Group # 1274109**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/28/2011 14:42 by TRO

Submitted: 11/01/2011 09:35
Reported: 11/03/2011 21:12

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 14,000 | | 100 | 34,000 | | 240 | 200 |
| 05298 | Benzene | 71-43-2 | N.D. | | 40 | N.D. | | 130 | 200 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 40 | N.D. | | 260 | 200 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 40 | N.D. | | 270 | 200 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 40 | N.D. | | 410 | 200 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 40 | N.D. | | 160 | 200 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 100 | N.D. | | 220 | 200 |
| 05298 | 2-Butanone | 78-93-3 | 15,000 | | 100 | 43,000 | | 290 | 200 |
| 05298 | Carbon Disulfide | 75-15-0 | 150 | J | 40 | 450 | J | 120 | 200 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 40 | N.D. | | 250 | 200 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 40 | N.D. | | 180 | 200 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 40 | N.D. | | 140 | 200 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 40 | N.D. | | 110 | 200 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 40 | N.D. | | 200 | 200 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 40 | N.D. | | 83 | 200 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 40 | N.D. | | 130 | 200 |
| 05298 | Cumene | 98-82-8 | N.D. | | 40 | N.D. | | 200 | 200 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 40 | N.D. | | 340 | 200 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 40 | N.D. | | 310 | 200 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 40 | N.D. | | 280 | 200 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 40 | N.D. | | 240 | 200 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 40 | N.D. | | 240 | 200 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 40 | N.D. | | 240 | 200 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 40 | N.D. | | 200 | 200 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 88 | J | 40 | 360 | J | 160 | 200 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 40 | N.D. | | 160 | 200 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 410 | | 40 | 1,600 | | 160 | 200 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 40 | N.D. | | 160 | 200 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 40 | N.D. | | 160 | 200 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 40 | N.D. | | 170 | 200 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 40 | N.D. | | 180 | 200 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 40 | N.D. | | 180 | 200 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 40 | N.D. | | 180 | 200 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 40 | N.D. | | 170 | 200 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 40 | N.D. | | 200 | 200 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 100 | N.D. | | 770 | 200 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 40 | N.D. | | 280 | 200 |
| 05298 | Heptane | 142-82-5 | N.D. | | 40 | N.D. | | 160 | 200 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 40 | N.D. | | 390 | 200 |
| 05298 | Hexane | 110-54-3 | N.D. | | 40 | N.D. | | 140 | 200 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 100 | N.D. | | 410 | 200 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 40 | N.D. | | 190 | 200 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 40 | N.D. | | 140 | 200 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 100 | N.D. | | 410 | 200 |
| 05298 | Methylene Chloride | 75-09-2 | 120 | J | 40 | 410 | J | 140 | 200 |
| 05298 | Octane | 111-65-9 | N.D. | | 40 | N.D. | | 190 | 200 |
| 05298 | Pentane | 109-66-0 | N.D. | | 40 | N.D. | | 120 | 200 |
| 05298 | Styrene | 100-42-5 | N.D. | | 40 | N.D. | | 170 | 200 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 40 | N.D. | | 270 | 200 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 40 | N.D. | | 270 | 200 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 40 | N.D. | | 270 | 200 |

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# Analysis Report



**Sample Description:** SVE-3 Air
Summa Canister #538
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6455854**
**LLI Group # 1274109**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/28/2011 14:42 by TRO

Submitted: 11/01/2011 09:35
Reported: 11/03/2011 21:12

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 50 | J | 40 | 190 | J | 150 | 200 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | | 40 | N.D. | | 220 | 200 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 40 | N.D. | | 220 | 200 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 40 | N.D. | | 210 | 200 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 40 | N.D. | | 220 | 200 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 40 | N.D. | | 240 | 200 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 40 | N.D. | | 200 | 200 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 40 | N.D. | | 200 | 200 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 40 | N.D. | | 100 | 200 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 40 | N.D. | | 170 | 200 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 40 | N.D. | | 170 | 200 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1130630AA | 11/03/2011 14:10 | Michael A Ziegler | 200 |

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# Analysis Report



**Sample Description:** SVE-6 Air
Summa Canister #332
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6455855**
**LLI Group # 1274109**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/28/2011 14:25 by TRO

Submitted: 11/01/2011 09:35
Reported: 11/03/2011 21:12

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 20,000 | | 100 | 49,000 | | 240 | 200 |
| 05298 | Benzene | 71-43-2 | N.D. | | 40 | N.D. | | 130 | 200 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 40 | N.D. | | 260 | 200 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 40 | N.D. | | 270 | 200 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 40 | N.D. | | 410 | 200 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 40 | N.D. | | 160 | 200 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 100 | N.D. | | 220 | 200 |
| 05298 | 2-Butanone | 78-93-3 | 9,500 | | 100 | 28,000 | | 290 | 200 |
| 05298 | Carbon Disulfide | 75-15-0 | 120 | J | 40 | 370 | J | 120 | 200 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 40 | N.D. | | 250 | 200 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 40 | N.D. | | 180 | 200 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 40 | N.D. | | 140 | 200 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 40 | N.D. | | 110 | 200 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 40 | N.D. | | 200 | 200 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 40 | N.D. | | 83 | 200 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 40 | N.D. | | 130 | 200 |
| 05298 | Cumene | 98-82-8 | N.D. | | 40 | N.D. | | 200 | 200 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 40 | N.D. | | 340 | 200 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 40 | N.D. | | 310 | 200 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 40 | N.D. | | 280 | 200 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 40 | N.D. | | 240 | 200 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 40 | N.D. | | 240 | 200 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 40 | N.D. | | 240 | 200 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 40 | N.D. | | 200 | 200 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | N.D. | | 40 | N.D. | | 160 | 200 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 40 | N.D. | | 160 | 200 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | N.D. | | 40 | N.D. | | 160 | 200 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 40 | N.D. | | 160 | 200 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 40 | N.D. | | 160 | 200 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 40 | N.D. | | 170 | 200 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 40 | N.D. | | 180 | 200 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 40 | N.D. | | 180 | 200 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 40 | N.D. | | 180 | 200 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 40 | N.D. | | 170 | 200 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 40 | N.D. | | 200 | 200 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 100 | N.D. | | 770 | 200 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 40 | N.D. | | 280 | 200 |
| 05298 | Heptane | 142-82-5 | N.D. | | 40 | N.D. | | 160 | 200 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 40 | N.D. | | 390 | 200 |
| 05298 | Hexane | 110-54-3 | N.D. | | 40 | N.D. | | 140 | 200 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 100 | N.D. | | 410 | 200 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 40 | N.D. | | 190 | 200 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 40 | N.D. | | 140 | 200 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 100 | N.D. | | 410 | 200 |
| 05298 | Methylene Chloride | 75-09-2 | 74 | J | 40 | 260 | J | 140 | 200 |
| 05298 | Octane | 111-65-9 | N.D. | | 40 | N.D. | | 190 | 200 |
| 05298 | Pentane | 109-66-0 | N.D. | | 40 | N.D. | | 120 | 200 |
| 05298 | Styrene | 100-42-5 | N.D. | | 40 | N.D. | | 170 | 200 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 40 | N.D. | | 270 | 200 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 40 | N.D. | | 270 | 200 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 40 | N.D. | | 270 | 200 |

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# Analysis Report



**Sample Description:** SVE-6 Air
Summa Canister #332
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6455855**
**LLI Group # 1274109**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/28/2011 14:25 by TRO

Submitted: 11/01/2011 09:35
Reported: 11/03/2011 21:12

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | Toluene | 108-88-3 | N.D. | 40 | N.D. | 150 | 200 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 40 | N.D. | 220 | 200 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 40 | N.D. | 220 | 200 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 40 | N.D. | 210 | 200 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 40 | N.D. | 220 | 200 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 40 | N.D. | 240 | 200 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 40 | N.D. | 200 | 200 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 40 | N.D. | 200 | 200 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 40 | N.D. | 100 | 200 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 40 | N.D. | 170 | 200 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 40 | N.D. | 170 | 200 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1130630AA | 11/03/2011 14:55 | Michael A Ziegler | 200 |

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# Analysis Report



**Sample Description:** SVE-1 Air
Summa Canister #1024
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6455856**
**LLI Group # 1274109**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/28/2011 14:32 by TRO

Submitted: 11/01/2011 09:35
Reported: 11/03/2011 21:12

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 5,100 | | 500 | 12,000 | | 1,200 | 1000 |
| 05298 | Benzene | 71-43-2 | N.D. | | 200 | N.D. | | 640 | 1000 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 200 | N.D. | | 2,100 | 1000 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 200 | N.D. | | 780 | 1000 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 500 | N.D. | | 1,100 | 1000 |
| 05298 | 2-Butanone | 78-93-3 | 2,600 | | 500 | 7,500 | | 1,500 | 1000 |
| 05298 | Carbon Disulfide | 75-15-0 | 260 | J | 200 | 820 | J | 620 | 1000 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 200 | N.D. | | 710 | 1000 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 200 | N.D. | | 530 | 1000 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 200 | N.D. | | 410 | 1000 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 200 | N.D. | | 630 | 1000 |
| 05298 | Cumene | 98-82-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 200 | N.D. | | 1,700 | 1000 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 200 | N.D. | | 1,500 | 1000 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 200 | N.D. | | 990 | 1000 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 220 | J | 200 | 910 | J | 810 | 1000 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 200 | N.D. | | 810 | 1000 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 35,000 | | 200 | 140,000 | | 790 | 1000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 200 | N.D. | | 840 | 1000 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 200 | N.D. | | 870 | 1000 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 500 | N.D. | | 3,800 | 1000 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Heptane | 142-82-5 | N.D. | | 200 | N.D. | | 820 | 1000 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 200 | N.D. | | 1,900 | 1000 |
| 05298 | Hexane | 110-54-3 | N.D. | | 200 | N.D. | | 700 | 1000 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 200 | N.D. | | 720 | 1000 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Methylene Chloride | 75-09-2 | 400 | J | 200 | 1,400 | J | 690 | 1000 |
| 05298 | Octane | 111-65-9 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Pentane | 109-66-0 | N.D. | | 200 | N.D. | | 590 | 1000 |
| 05298 | Styrene | 100-42-5 | N.D. | | 200 | N.D. | | 850 | 1000 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 200 | N.D. | | 1,400 | 1000 |

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# Analysis Report



**Sample Description: SVE-1 Air**
**Summa Canister #1024**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6455856**
**LLI Group # 1274109**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/28/2011 14:32 by TRO

Submitted: 11/01/2011 09:35
Reported: 11/03/2011 21:12

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 28,000 | | 200 | 100,000 | | 750 | 1000 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 300,000 | | 2,000 | 1,600,000 | | 11,000 | 10000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 200 | N.D. | | 1,100 | 1000 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 200 | N.D. | | 1,100 | 1000 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 200 | N.D. | | 1,100 | 1000 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 200 | N.D. | | 510 | 1000 |
| 05298 | m/p-Xylene | 179601-23-1 | 680 | J | 200 | 3,000 | J | 870 | 1000 |
| 05298 | o-Xylene | 95-47-6 | 260 | J | 200 | 1,100 | J | 870 | 1000 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1130630AA | 11/03/2011 02:48 | Michael A Ziegler | 1000 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1130630AA | 11/03/2011 07:45 | Michael A Ziegler | 10000 |

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# Analysis Report



**Sample Description:** SVE-4 Air
Summa Canister #801
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6455857**
**LLI Group # 1274109**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/28/2011 14:46 by TRO

Submitted: 11/01/2011 09:35
Reported: 11/03/2011 21:12

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 440 | | 5.0 | 1,000 | | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | 980 | | 5.0 | 2,900 | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 2.0 | N.D. | | 6.2 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | 5.1 | J | 2.0 | 25 | J | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 9.0 | J | 2.0 | 37 | J | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 2.0 | N.D. | | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | 12 | | 2.0 | 37 | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |

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# Analysis Report



**Sample Description: SVE-4 Air**
**Summa Canister #801**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6455857**
**LLI Group # 1274109**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/28/2011 14:46 by TRO

Submitted: 11/01/2011 09:35
Reported: 11/03/2011 21:12

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | Toluene | 108-88-3 | N.D. | 2.0 | N.D. | 7.5 | 10 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 11 | 2.0 | 59 | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 2.0 | N.D. | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 2.0 | N.D. | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 2.0 | N.D. | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 2.0 | N.D. | 8.7 | 10 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1130630AA | 11/03/2011 03:32 | Michael A Ziegler | 10 |

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# Analysis Report



**Sample Description:** SVE-5 Air
Summa Canister #826
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6455858**
**LLI Group # 1274109**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/28/2011 14:22 by TRO

Submitted: 11/01/2011 09:35
Reported: 11/03/2011 21:12

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 3,200 | | 250 | 7,600 | | 590 | 500 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | 1,400 | | 250 | 4,200 | | 740 | 500 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 2.0 | N.D. | | 6.2 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | 4.1 | J | 2.0 | 20 | J | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 10 | | 2.0 | 40 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 2.0 | N.D. | | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |

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# Analysis Report



**Sample Description:** SVE-5 Air
Summa Canister #826
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6455858**
**LLI Group # 1274109**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/28/2011 14:22 by TRO

Submitted: 11/01/2011 09:35
Reported: 11/03/2011 21:12

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | N.D. | | 2.0 | N.D. | | 7.5 | 10 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 32 | | 2.0 | 180 | | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 3.9 | J | 2.0 | 22 | J | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 2.0 | N.D. | | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | 3.4 | J | 2.0 | 15 | J | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1130630AA | 11/03/2011 04:15 | Michael A Ziegler | 10 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1130630AA | 11/03/2011 11:37 | Michael A Ziegler | 500 |

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# Analysis Report



## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1274109
Reported: 11/03/11 at 09:12 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

## Laboratory Compliance Quality Control

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: D1130630AA | Sample number(s): 6455853-6455858 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 136 | 116 | 56-144 | 16 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 89 | 75 | 70-130 | 17 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 100 | 83 | 73-132 | 19 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 117 | 95 | 65-135 | 21 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 101 | 86 | 70-130 | 16 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 93 | 81 | 65-138 | 14 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 110 | 95 | 63-135 | 14 | 25 |
| Carbon Disulfide | N.D. | 0.20 | ppb(v) | 86 | 75 | 59-112 | 14 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 94 | 78 | 70-130 | 18 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 95 | 78 | 70-130 | 20 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 95 | 79 | 71-137 | 19 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 92 | 77 | 70-130 | 17 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 97 | 82 | 59-135 | 17 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 101 | 82 | 70-128 | 21 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 101 | 84 | 71-129 | 18 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 130 | 105 | 42-149 | 21 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 116 | 94 | 47-141 | 20 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 124 | 100 | 43-143 | 21 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 104 | 89 | 75-141 | 15 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 88 | 75 | 65-127 | 16 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 96 | 79 | 70-130 | 19 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 90 | 78 | 62-118 | 14 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 82 | 71 | 63-125 | 14 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 89 | 76 | 63-119 | 16 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 85 | 71 | 70-130 | 18 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 97 | 80 | 66-127 | 19 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 93 | 77 | 64-126 | 19 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 98 | 81 | 70-130 | 20 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 112 | 92 | 56-138 | 20 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 87 | 75 | 66-120 | 15 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 94 | 82 | 64-141 | 15 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 86 | 71 | 62-124 | 19 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 84 | 73 | 59-123 | 14 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 124 | 104 | 44-184 | 18 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 97 | 83 | 62-125 | 16 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 117 | 98 | 62-151 | 18 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 107 | 92 | 70-130 | 16 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1274109
Reported: 11/03/11 at 09:12 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 116 | 94 | 65-136 | 20 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 127 | 103 | 49-148 | 21 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 84 | 70 | 70-130 | 19 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 91 | 76 | 70-130 | 18 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 91 | 78 | 70-130 | 16 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 92 | 76 | 64-129 | 19 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 85 | 71 | 70-130 | 18 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 107 | 88 | 70-130 | 20 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 115 | 94 | 52-142 | 20 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 120 | 97 | 59-144 | 21 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 103 | 89 | 70-130 | 14 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 111 | 90 | 70-130 | 21 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 105 | 86 | 70-130 | 20 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Lancaster Laboratories Inc
2425 New Holland Pike
Lancaster, PA 17601
Tel: (717) 656-2300

# TO-15 External Chain of Custody Record/Field Test Data Sheets

6556 1274109 645585 3-58

Lancaster Laboratories

| | | | |
|---|---|---|---|
| **Client Contact Information** | **Project Manager:** Pat Smart | **Carrier:** UPS Ground | 1 of 1 COCs |
| Company: ~~Roadrunner Express~~ Inc. The Johnson Co | **Phone:** (802) 229-4600 | **Samplers Name(s)** TRO | **Analysis** / **Matrix** |
| Address: ~~3045 Thurmond Tanner Road,~~ 100 State St Suite 600 | **Site Contact:** Bob Osborne (TRO) | | |
| City/State/Zip: ~~Flowery Branch, GA 30542~~ Montpelier VT 05602 | | | |
| Phone: ~~770-967-6501~~ (802) 229-4600 | | | |
| FAX: | | | |
| Project Name: Avery Dennison / Flowery Branch, GA | **Analysis Turnaround Time** | | |
| Site: | Standard (Specify) | | |
| PO #: 1-0145-4 | Rush (Specify) | | |

| Sample Identification | Sample Date(s) | Time Start (24 hr clock) | Time Stop (24 hr clock) | Canister Pressure in Field ("Hg) (Start) | Canister Pressure in Field ("Hg) (Stop) | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Flow Reg. ID | Can ID | Can Size (L) | Controller Flowrate (ml/min) | TO-15 | Indoor Air | Ambient Air | Soil Gas | Sub Slab |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SVE-2 (STP-2) | 10-28-11 | 14:39 | — | 30" | 5" | — | — | — | 547 | 6 | Instant | | | | X | |
| SVE-3 | | 14:42 | — | 30" | 6" | — | — | — | 538 | 6 | | | | | X | |
| SVE-6 | | 14:25 | — | 30" | 5" | — | — | — | 332 | 6 | | | | | X | |
| SVE-4 (TMW) 1 | | 14:32 | — | 30" | 5" | — | — | — | 1024 | 6 | | | | | X | |
| SVE-4 | | 14:46 | — | 30" | 5" | — | — | — | 801 | 6 | | | | | X | |
| SVE-5 | 10-28-11 | 14:22 | — | 28" | 5" | — | — | — | 826 | 6 | Instant | | | | X | |

| Temperature (Fahrenheit) | Ambient | Maximum | Minimum |
|---|---|---|---|
| Start | | | |
| Stop | | | |

| Pressure (inches of Hg) | Ambient | Maximum | Minimum |
|---|---|---|---|
| Start | | | |
| Stop | | | |

**Special Instructions/QC Requirements & Comments:**

| | | | |
|---|---|---|---|
| Canisters Shipped by: UPS | Date/Time: 10-28-11 | Canisters Received by: | Date/Time: |
| Samples Relinquished by: | Date/Time: 10:28 / 17:00 | Received by: | Date/Time: |
| Relinquished by: | Date/Time: | Received by: | Date/Time: 11/01/11 0935 |

Lancaster Laboratories

# Environmental Sample Administration
# Receipt Documentation Log

**Client/Project:** Johnson 6.

**Date of Receipt:** 11/01/11

**Time of Receipt:** 0925

**Source Code:** 60

**Shipping Container Sealed:** (YES) NO

**Custody Seal Present * :** YES (NO)

* Custody seal was intact unless otherwise noted in the discrepancy section

**Package:** Chilled (Not Chilled)

| Temperature of Shipping Containers | | | | | | | |
|---|---|---|---|---|---|---|---|
| Cooler # | Thermometer ID | Temperature (°C) | Temp Bottle (TB) or Surface Temp (ST) | Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP) | Ice Present? Y/N | Loose (L) Bagged Ice (B) or NA | Comments |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |

**Number of Trip Blanks received NOT listed on chain of custody:** 0

**Paperwork Discrepancy/Unpacking Problems:**

1 from cont.

**Unpacker Signature/Emp#:** [signature] 964 **Date/Time:** 11/01/11 0945

Issued by Dept. 6042 Management

2174.06

# Explanation of Symbols and Abbreviations

*The following defines common symbols and abbreviations used in reporting technical data:*

| | | | |
|---|---|---|---|
| **RL** | Reporting Limit | **BMQL** | Below Minimum Quantitation Level |
| **N.D.** | none detected | **MPN** | Most Probable Number |
| **TNTC** | Too Numerous To Count | **CP Units** | cobalt-chloroplatinate units |
| **IU** | International Units | **NTU** | nephelometric turbidity units |
| **umhos/cm** | micromhos/cm | **ng** | nanogram(s) |
| **C** | degrees Celsius | **F** | degrees Fahrenheit |
| **meq** | milliequivalents | **lb.** | pound(s) |
| **g** | gram(s) | **kg** | kilogram(s) |
| **ug** | microgram(s) | **mg** | milligram(s) |
| **ml** | milliliter(s) | **l** | liter(s) |
| **m3** | cubic meter(s) | **ul** | microliter(s) |

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**J** estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

*U.S. EPA CLP Data Qualifiers:*

**Organic Qualifiers**

| | |
|---|---|
| **A** | TIC is a possible aldol-condensation product |
| **B** | Analyte was also detected in the blank |
| **C** | Pesticide result confirmed by GC/MS |
| **D** | Compound quantitated on a diluted sample |
| **E** | Concentration exceeds the calibration range of the instrument |
| **N** | Presumptive evidence of a compound (TICs only) |
| **P** | Concentration difference between primary and confirmation columns >25% |
| **U** | Compound was not detected |
| **X,Y,Z** | Defined in case narrative |

**Inorganic Qualifiers**

| | |
|---|---|
| **B** | Value is <CRDL, but ≥IDL |
| **E** | Estimated due to interference |
| **M** | Duplicate injection precision not met |
| **N** | Spike sample not within control limits |
| **S** | Method of standard additions (MSA) used for calculation |
| **U** | Compound was not detected |
| **W** | Post digestion spike out of control limits |
| ***** | Duplicate analysis not within control limits |
| **+** | Correlation coefficient for MSA <0.995 |

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

Lancaster Laboratories

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# Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

December 14, 2011

Project: Avery Dennison / Flowery Branch, GA

Submittal Date: 12/02/2011
Group Number: 1279130
PO Number: 1-0145-4
State of Sample Origin: GA

| Client Sample Description | Lancaster Labs (LLI) # |
|---|---|
| Blower Summa Can #895 Air | 6487444 |
| Undiluted Summa Can #822 Air | 6487445 |
| MP10 Summa Can #324 Air | 6487446 |
| MP06 Summa Can #316 Air | 6487447 |
| MP09 Summa Can #110 Air | 6487448 |
| MP03 Summa Can #1105 Air | 6487449 |
| SVE3 Summa Can #1107 Air | 6487450 |
| MP11 Summa Can #164 Air | 6487451 |
| SVE5 Summa Can #891 Air | 6487452 |
| SVE6 Summa Can #870 Air | 6487453 |
| VW5 Summa Can #15 Air | 6487454 |
| SVE1 Summa Can #1077 Air | 6487455 |
| MP04 Summa Can #186 Air | 6487456 |
| VW6 Summa Can #21 Air | 6487457 |
| MP07 Summa Can #414 Air | 6487458 |
| MP05 Summa Can #140 Air | 6487459 |
| SVE2 Summa Can #178 Air | 6487460 |
| MW64 Summa Can #113 Air | 6487461 |
| SVE4 Summa Can #32 Air | 6487462 |
| MP02 Summa Can #135 Air | 6487463 |
| MP08 Summa Can #57 Air | 6487464 |
| MW65S Summa Can #404 Air | 6487465 |

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Lancaster Laboratories

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# Analysis Report

ELECTRONIC COPY TO The Johnson Company, Inc. Attn: Todd Hall

Questions? Contact your Client Services Representative
Wendy A Kozma at (717) 656-2300 Ext. 1522

Respectfully Submitted,

Michele J. Smith

Michele J. Smith
Senior Specialist

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

# Analysis Report



**Sample Description: Blower Summa Can #895 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6487444**
**LLI Group # 1279130**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/30/2011 11:00 by CP

Submitted: 12/02/2011 09:15
Reported: 12/14/2011 16:04

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 5.3 | | 0.50 | 13 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | 1.1 | | 0.20 | 3.5 | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 1.4 | J | 0.50 | 4.1 | J | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 0.50 | N.D. | | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 0.52 | J | 0.20 | 1.8 | J | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 0.56 | J | 0.20 | 1.1 | J | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 1.0 | | 0.20 | 4.9 | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.55 | J | 0.20 | 2.7 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 7.5 | | 0.20 | 31 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 0.36 | J | 0.20 | 1.4 | J | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 630 | | 2.0 | 2,500 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 0.54 | J | 0.20 | 2.3 | J | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 0.71 | J | 0.20 | 2.5 | J | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.85 | J | 0.20 | 2.5 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 0.50 | J | 0.20 | 3.4 | J | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 100 | | 2.0 | 380 | | 7.5 | 10 |

Lancaster Laboratories

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# Analysis Report



**Sample Description: Blower Summa Can #895 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6487444**
**LLI Group # 1279130**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/30/2011 11:00 by CP

Submitted: 12/02/2011 09:15
Reported: 12/14/2011 16:04

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 780 | | 2.0 | 4,300 | | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | 0.26 | J | 0.20 | 1.4 | J | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 1.1 | | 0.20 | 6.2 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 0.61 | J | 0.20 | 3.0 | J | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | 0.20 | J | 0.20 | 0.51 | J | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 3.5 | | 0.20 | 15 | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 1.1 | | 0.20 | 4.7 | | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1133530AB | 12/06/2011 19:07 | Jeffrey B Smith | 1 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1133530AB | 12/06/2011 22:57 | Jeffrey B Smith | 10 |

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# Analysis Report



**Sample Description: Undiluted Summa Can #822 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6487445**
**LLI Group # 1279130**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/30/2011 10:57 by CP

Submitted: 12/02/2011 09:15
Reported: 12/14/2011 16:04

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 14 | | 0.50 | 34 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | 0.28 | J | 0.20 | 0.90 | J | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 4.1 | | 0.50 | 12 | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 0.80 | J | 0.20 | 2.5 | J | 0.62 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 0.86 | J | 0.20 | 3.1 | J | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | 0.25 | J | 0.20 | 1.2 | J | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 0.39 | J | 0.20 | 0.80 | J | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 1.3 | | 0.20 | 6.2 | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.49 | J | 0.20 | 2.4 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 18 | | 0.20 | 74 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 0.85 | J | 0.20 | 3.4 | J | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 1,100 | | 5.0 | 4,300 | | 20 | 25 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 1.3 | | 0.20 | 5.7 | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 1.6 | | 0.20 | 5.4 | | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.46 | J | 0.20 | 1.3 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 1.3 | | 0.20 | 8.9 | | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 260 | | 2.0 | 990 | | 7.5 | 10 |

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# Analysis Report



**Sample Description: Undiluted Summa Can #822 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6487445**
**LLI Group # 1279130**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/30/2011 10:57 by CP

Submitted: 12/02/2011 09:15
Reported: 12/14/2011 16:04

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 1,500 | | 5.0 | 8,300 | | 27 | 25 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | 0.26 | J | 0.20 | 1.4 | J | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | 0.66 | J | 0.20 | 3.5 | J | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 2.1 | | 0.20 | 12 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 0.73 | J | 0.20 | 3.6 | J | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | 0.26 | J | 0.20 | 1.3 | J | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | 0.43 | J | 0.20 | 1.1 | J | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 8.4 | | 0.20 | 37 | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 3.0 | | 0.20 | 13 | | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1133530AB | 12/06/2011 19:55 | Jeffrey B Smith | 1 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1133530AB | 12/06/2011 23:40 | Jeffrey B Smith | 10 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1134530AA | 12/12/2011 12:04 | Jeffrey B Smith | 25 |

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# Analysis Report



**Sample Description: MP10 Summa Can #324 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6487446**
**LLI Group # 1279130**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/30/2011 10:47 by CP

Submitted: 12/02/2011 09:15
Reported: 12/14/2011 16:04

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 11 | | 0.50 | 26 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | N.D. | | 0.20 | N.D. | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 3.0 | | 0.50 | 8.8 | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 0.70 | J | 0.20 | 2.2 | J | 0.62 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 0.22 | J | 0.20 | 0.78 | J | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | 1.3 | | 0.20 | 6.4 | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 0.41 | J | 0.20 | 0.84 | J | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 2.9 | | 0.20 | 14 | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.49 | J | 0.20 | 2.4 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 21 | | 0.20 | 83 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 50 | | 0.20 | 200 | | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 0.20 | N.D. | | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.47 | J | 0.20 | 1.4 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 0.50 | J | 0.20 | 1.9 | J | 0.75 | 1 |

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# Analysis Report



**Sample Description: MP10 Summa Can #324 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6487446**
**LLI Group # 1279130**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/30/2011 10:47 by CP

Submitted: 12/02/2011 09:15
Reported: 12/14/2011 16:04

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 66 | | 0.20 | 360 | | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 0.25 | J | 0.20 | 1.4 | J | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 0.97 | J | 0.20 | 4.8 | J | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | 0.26 | J | 0.20 | 1.3 | J | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 0.87 | J | 0.20 | 3.8 | J | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 0.35 | J | 0.20 | 1.5 | J | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1133530AB | 12/06/2011 20:42 | Jeffrey B Smith | 1 |

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# Analysis Report



**Sample Description: MP06 Summa Can #316 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6487447**
**LLI Group # 1279130**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/30/2011 10:17 by CP

Submitted: 12/02/2011 09:15
Reported: 12/14/2011 16:04

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 13 | | 0.50 | 31 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | 0.25 | J | 0.20 | 0.81 | J | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 1.3 | J | 0.50 | 3.9 | J | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 0.25 | J | 0.20 | 0.79 | J | 0.62 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 0.20 | N.D. | | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | 0.23 | J | 0.20 | 1.1 | J | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 0.77 | J | 0.20 | 1.6 | J | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.53 | J | 0.20 | 2.6 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 1.4 | | 0.20 | 5.8 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 77 | | 0.20 | 300 | | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | 2.5 | | 0.20 | 8.8 | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 26 | | 0.20 | 89 | | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 11 | | 0.20 | 31 | | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 0.53 | J | 0.20 | 2.0 | J | 0.75 | 1 |

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# Analysis Report



**Sample Description: MP06 Summa Can #316 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6487447**
**LLI Group # 1279130**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/30/2011 10:17 by CP

Submitted: 12/02/2011 09:15
Reported: 12/14/2011 16:04

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 31 | 0.20 | 170 | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 0.20 | N.D. | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 0.20 | N.D. | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 1.7 | 0.20 | 9.7 | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 0.20 | N.D. | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 0.20 | N.D. | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 0.20 | N.D. | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 0.20 | N.D. | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 0.20 | N.D. | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 0.20 | N.D. | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1133530AB | 12/06/2011 21:30 | Jeffrey B Smith | 1 |

Lancaster Laboratories

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# Analysis Report



**Sample Description: MP09 Summa Can #110 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6487448**
**LLI Group # 1279130**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/30/2011 10:56 by CP

Submitted: 12/02/2011 09:15
Reported: 12/14/2011 16:04

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 36 | J | 10 | 86 | J | 24 | 20 |
| 05298 | Benzene | 71-43-2 | N.D. | | 4.0 | N.D. | | 13 | 20 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 4.0 | N.D. | | 26 | 20 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 4.0 | N.D. | | 41 | 20 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 10 | N.D. | | 22 | 20 |
| 05298 | 2-Butanone | 78-93-3 | 10 | J | 10 | 31 | J | 29 | 20 |
| 05298 | Carbon Disulfide | 75-15-0 | 15 | J | 10 | 48 | J | 31 | 20 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 4.0 | N.D. | | 25 | 20 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | Chloroethane | 75-00-3 | 24 | | 4.0 | 63 | | 11 | 20 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 4.0 | N.D. | | 8.3 | 20 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 4.0 | N.D. | | 13 | 20 |
| 05298 | Cumene | 98-82-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 4.0 | N.D. | | 34 | 20 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 4.0 | N.D. | | 31 | 20 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 4.0 | N.D. | | 28 | 20 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 880 | | 4.0 | 3,600 | | 16 | 20 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 120,000 | | 400 | 500,000 | | 1,600 | 2000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Freon 113 | 76-13-1 | 30 | J | 10 | 230 | J | 77 | 20 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 4.0 | N.D. | | 28 | 20 |
| 05298 | Heptane | 142-82-5 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 4.0 | N.D. | | 39 | 20 |
| 05298 | Hexane | 110-54-3 | 4.0 | J | 4.0 | 14 | J | 14 | 20 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 10 | N.D. | | 41 | 20 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 4.0 | N.D. | | 19 | 20 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 10 | N.D. | | 41 | 20 |
| 05298 | Methylene Chloride | 75-09-2 | 9.5 | J | 4.0 | 33 | J | 14 | 20 |
| 05298 | Octane | 111-65-9 | N.D. | | 4.0 | N.D. | | 19 | 20 |
| 05298 | Pentane | 109-66-0 | 22 | | 4.0 | 64 | | 12 | 20 |
| 05298 | Styrene | 100-42-5 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Tetrachloroethene | 127-18-4 | 40 | | 4.0 | 270 | | 27 | 20 |
| 05298 | Toluene | 108-88-3 | 24 | | 4.0 | 89 | | 15 | 20 |

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# Analysis Report



**Sample Description: MP09 Summa Can #110 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6487448**
**LLI Group # 1279130**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/30/2011 10:56 by CP

Submitted: 12/02/2011 09:15
Reported: 12/14/2011 16:04

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 39,000 | | 400 | 210,000 | | 2,200 | 2000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 4.0 | N.D. | | 22 | 20 |
| 05298 | Trichloroethene | 79-01-6 | 49 | | 4.0 | 260 | | 21 | 20 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 4.0 | N.D. | | 22 | 20 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Vinyl Chloride | 75-01-4 | 62 | | 4.0 | 160 | | 10 | 20 |
| 05298 | m/p-Xylene | 179601-23-1 | 9.0 | J | 4.0 | 39 | J | 17 | 20 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 4.0 | N.D. | | 17 | 20 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1133530AB | 12/06/2011 22:13 | Jeffrey B Smith | 20 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1133530AC | 12/07/2011 09:51 | Florida A Cimino | 2000 |

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# Analysis Report



**Sample Description: MP03 Summa Can #1105 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6487449**
**LLI Group # 1279130**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/30/2011 10:09 by CP

Submitted: 12/02/2011 09:15
Reported: 12/14/2011 16:04

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 7.4 | J | 5.0 | 18 | J | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 5.0 | N.D. | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | 2.1 | J | 2.0 | 6.6 | J | 6.2 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 28 | | 2.0 | 110 | | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 780 | | 2.0 | 3,100 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | 2.2 | J | 2.0 | 7.6 | J | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | 4.2 | J | 2.0 | 29 | J | 14 | 10 |
| 05298 | Toluene | 108-88-3 | 280 | | 2.0 | 1,100 | | 7.5 | 10 |

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# Analysis Report



**Sample Description: MP03 Summa Can #1105 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6487449**
**LLI Group # 1279130**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/30/2011 10:09 by CP

Submitted: 12/02/2011 09:15
Reported: 12/14/2011 16:04

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 1,000 | | 4.0 | 5,500 | | 22 | 20 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 2.6 | J | 2.0 | 14 | J | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 2.0 | N.D. | | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | 6.0 | J | 2.0 | 26 | J | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | 2.7 | J | 2.0 | 12 | J | 8.7 | 10 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1134130AB | 12/11/2011 23:29 | Michael A Ziegler | 10 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1134130AB | 12/12/2011 07:57 | Michael A Ziegler | 20 |

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# Analysis Report



**Sample Description: SVE3 Summa Can #1107 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6487450**
**LLI Group # 1279130**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/30/2011 10:42 by CP

Submitted: 12/02/2011 09:15
Reported: 12/14/2011 16:04

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 39 | J | 10 | 92 | J | 24 | 20 |
| 05298 | Benzene | 71-43-2 | 4.9 | J | 4.0 | 16 | J | 13 | 20 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 4.0 | N.D. | | 26 | 20 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 4.0 | N.D. | | 41 | 20 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 10 | N.D. | | 22 | 20 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 10 | N.D. | | 29 | 20 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 4.0 | N.D. | | 12 | 20 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 4.0 | N.D. | | 25 | 20 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 4.0 | N.D. | | 11 | 20 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 4.0 | N.D. | | 8.3 | 20 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 4.0 | N.D. | | 13 | 20 |
| 05298 | Cumene | 98-82-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 4.0 | N.D. | | 34 | 20 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 4.0 | N.D. | | 31 | 20 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 4.0 | N.D. | | 28 | 20 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 77 | | 4.0 | 310 | | 16 | 20 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 3,700 | | 40 | 15,000 | | 160 | 200 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 10 | N.D. | | 77 | 20 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 4.0 | N.D. | | 28 | 20 |
| 05298 | Heptane | 142-82-5 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 4.0 | N.D. | | 39 | 20 |
| 05298 | Hexane | 110-54-3 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 10 | N.D. | | 41 | 20 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 4.0 | N.D. | | 19 | 20 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 10 | N.D. | | 41 | 20 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | Octane | 111-65-9 | N.D. | | 4.0 | N.D. | | 19 | 20 |
| 05298 | Pentane | 109-66-0 | N.D. | | 4.0 | N.D. | | 12 | 20 |
| 05298 | Styrene | 100-42-5 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Toluene | 108-88-3 | 13 | J | 4.0 | 49 | J | 15 | 20 |

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# Analysis Report



**Sample Description: SVE3 Summa Can #1107 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6487450**
**LLI Group # 1279130**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/30/2011 10:42 by CP

Submitted: 12/02/2011 09:15
Reported: 12/14/2011 16:04

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 3,100 | 40 | 17,000 | 220 | 200 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 4.0 | N.D. | 22 | 20 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 4.0 | N.D. | 21 | 20 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 4.0 | N.D. | 22 | 20 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 4.0 | N.D. | 24 | 20 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 4.0 | N.D. | 20 | 20 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 4.0 | N.D. | 20 | 20 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 4.0 | N.D. | 10 | 20 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 4.0 | N.D. | 17 | 20 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 4.0 | N.D. | 17 | 20 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1134130AB | 12/12/2011 00:12 | Michael A Ziegler | 20 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1134130AB | 12/12/2011 08:41 | Michael A Ziegler | 200 |

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# Analysis Report



**Sample Description: MP11 Summa Can #164 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6487451**
**LLI Group # 1279130**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/30/2011 10:52 by CP

Submitted: 12/02/2011 09:15
Reported: 12/14/2011 16:04

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 450 | | 50 | 1,100 | | 120 | 100 |
| 05298 | Benzene | 71-43-2 | N.D. | | 20 | N.D. | | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 50 | N.D. | | 110 | 100 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 50 | N.D. | | 150 | 100 |
| 05298 | Carbon Disulfide | 75-15-0 | 140 | | 20 | 440 | | 62 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 20 | N.D. | | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 20 | N.D. | | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 20 | N.D. | | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 20 | N.D. | | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 140 | | 20 | 560 | | 81 | 100 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 20 | N.D. | | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 9,700 | | 20 | 39,000 | | 79 | 100 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 20 | N.D. | | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | N.D. | | 20 | N.D. | | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | 28 | J | 20 | 98 | J | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 68 | J | 20 | 240 | J | 69 | 100 |
| 05298 | Octane | 111-65-9 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Pentane | 109-66-0 | 120 | | 20 | 350 | | 59 | 100 |
| 05298 | Styrene | 100-42-5 | N.D. | | 20 | N.D. | | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Toluene | 108-88-3 | 28 | J | 20 | 110 | J | 75 | 100 |

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# Analysis Report



**Sample Description: MP11 Summa Can #164 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6487451**
**LLI Group # 1279130**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/30/2011 10:52 by CP

Submitted: 12/02/2011 09:15
Reported: 12/14/2011 16:04

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 2,000 | 20 | 11,000 | 110 | 100 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 20 | N.D. | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 20 | N.D. | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 20 | N.D. | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 20 | N.D. | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 20 | N.D. | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 20 | N.D. | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 20 | N.D. | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 20 | N.D. | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 20 | N.D. | 87 | 100 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1134130AB | 12/12/2011 01:02 | Michael A Ziegler | 100 |

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# Analysis Report



**Sample Description: SVE5 Summa Can #891 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6487452**
**LLI Group # 1279130**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/30/2011 10:13 by CP

Submitted: 12/02/2011 09:15
Reported: 12/14/2011 16:04

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 14 | | 1.0 | 34 | | 2.4 | 2 |
| 05298 | Benzene | 71-43-2 | 0.87 | J | 0.40 | 2.8 | J | 1.3 | 2 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.40 | N.D. | | 2.6 | 2 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.40 | N.D. | | 2.7 | 2 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.40 | N.D. | | 4.1 | 2 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.40 | N.D. | | 1.6 | 2 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 1.0 | N.D. | | 2.2 | 2 |
| 05298 | 2-Butanone | 78-93-3 | 2.4 | J | 1.0 | 7.1 | J | 2.9 | 2 |
| 05298 | Carbon Disulfide | 75-15-0 | 1.6 | J | 0.40 | 5.0 | J | 1.2 | 2 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.40 | N.D. | | 2.5 | 2 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.40 | N.D. | | 1.8 | 2 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 0.99 | J | 0.40 | 3.5 | J | 1.4 | 2 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.40 | N.D. | | 1.1 | 2 |
| 05298 | Chloroform | 67-66-3 | 0.59 | J | 0.40 | 2.9 | J | 2.0 | 2 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 0.40 | N.D. | | 0.83 | 2 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.40 | N.D. | | 1.3 | 2 |
| 05298 | Cumene | 98-82-8 | 3.1 | | 0.40 | 15 | | 2.0 | 2 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.40 | N.D. | | 3.4 | 2 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.40 | N.D. | | 3.1 | 2 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.40 | N.D. | | 2.8 | 2 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.40 | N.D. | | 2.4 | 2 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.40 | N.D. | | 2.4 | 2 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.40 | N.D. | | 2.4 | 2 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.52 | J | 0.40 | 2.6 | J | 2.0 | 2 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 34 | | 0.40 | 140 | | 1.6 | 2 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 1.7 | J | 0.40 | 6.9 | J | 1.6 | 2 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 1,400 | | 4.0 | 5,600 | | 16 | 20 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.40 | N.D. | | 1.6 | 2 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.40 | N.D. | | 1.6 | 2 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.40 | N.D. | | 1.7 | 2 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.40 | N.D. | | 1.8 | 2 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.40 | N.D. | | 1.8 | 2 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.40 | N.D. | | 1.8 | 2 |
| 05298 | Ethylbenzene | 100-41-4 | 0.59 | J | 0.40 | 2.6 | J | 1.7 | 2 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.40 | N.D. | | 2.0 | 2 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 1.0 | N.D. | | 7.7 | 2 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.40 | N.D. | | 2.8 | 2 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.40 | N.D. | | 1.6 | 2 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.40 | N.D. | | 3.9 | 2 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.40 | N.D. | | 1.4 | 2 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 1.0 | N.D. | | 4.1 | 2 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.40 | N.D. | | 1.9 | 2 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.40 | N.D. | | 1.4 | 2 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 1.0 | N.D. | | 4.1 | 2 |
| 05298 | Methylene Chloride | 75-09-2 | 1.2 | J | 0.40 | 4.3 | J | 1.4 | 2 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.40 | N.D. | | 1.9 | 2 |
| 05298 | Pentane | 109-66-0 | N.D. | | 0.40 | N.D. | | 1.2 | 2 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.40 | N.D. | | 1.7 | 2 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.40 | N.D. | | 2.7 | 2 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.40 | N.D. | | 2.7 | 2 |
| 05298 | Tetrachloroethene | 127-18-4 | 2.0 | | 0.40 | 14 | | 2.7 | 2 |
| 05298 | Toluene | 108-88-3 | 100 | | 0.40 | 390 | | 1.5 | 2 |

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# Analysis Report



**Sample Description: SVE5 Summa Can #891 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6487452**
**LLI Group # 1279130**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/30/2011 10:13 by CP

Submitted: 12/02/2011 09:15
Reported: 12/14/2011 16:04

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 610 | | 4.0 | 3,300 | | 22 | 20 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | 0.56 | J | 0.40 | 3.0 | J | 2.2 | 2 |
| 05298 | Trichloroethene | 79-01-6 | 0.68 | J | 0.40 | 3.7 | J | 2.1 | 2 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 2.2 | | 0.40 | 12 | | 2.2 | 2 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.40 | N.D. | | 2.4 | 2 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 1.4 | J | 0.40 | 6.9 | J | 2.0 | 2 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.40 | N.D. | | 2.0 | 2 |
| 05298 | Vinyl Chloride | 75-01-4 | 1.3 | J | 0.40 | 3.4 | J | 1.0 | 2 |
| 05298 | m/p-Xylene | 179601-23-1 | 3.6 | | 0.40 | 15 | | 1.7 | 2 |
| 05298 | o-Xylene | 95-47-6 | 1.5 | J | 0.40 | 6.3 | J | 1.7 | 2 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1134130AB | 12/12/2011 01:49 | Michael A Ziegler | 2 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1134130AB | 12/12/2011 09:24 | Michael A Ziegler | 20 |

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# Analysis Report



**Sample Description: SVE6 Summa Can #870 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6487453**
**LLI Group # 1279130**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/30/2011 10:15 by CP

Submitted: 12/02/2011 09:15
Reported: 12/14/2011 16:04

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 24 | | 0.50 | 56 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | 6.1 | | 0.20 | 19 | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 6.4 | | 0.50 | 19 | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 0.98 | J | 0.20 | 3.1 | J | 0.62 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | 0.36 | J | 0.20 | 2.3 | J | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 0.84 | J | 0.20 | 3.0 | J | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | 0.21 | J | 0.20 | 0.56 | J | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | 0.53 | J | 0.20 | 2.6 | J | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 0.27 | J | 0.20 | 0.55 | J | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 19 | | 0.20 | 94 | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.47 | J | 0.20 | 2.3 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 36 | | 0.20 | 150 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 2.9 | | 0.20 | 12 | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 740 | | 2.0 | 2,900 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 0.69 | J | 0.20 | 3.0 | J | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | 0.21 | J | 0.20 | 0.74 | J | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 1.4 | | 0.20 | 5.0 | | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | 0.22 | J | 0.20 | 1.0 | J | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 1.6 | | 0.20 | 4.6 | | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 1.3 | | 0.20 | 8.7 | | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 99 | | 2.0 | 370 | | 7.5 | 10 |

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# Analysis Report



**Sample Description: SVE6 Summa Can #870 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6487453**
**LLI Group # 1279130**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/30/2011 10:15 by CP

Submitted: 12/02/2011 09:15
Reported: 12/14/2011 16:04

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 1,500 | | 100 | 8,300 | | 550 | 500 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | 0.67 | J | 0.20 | 3.7 | J | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | 0.65 | J | 0.20 | 3.5 | J | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 2.8 | | 0.20 | 16 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 2.0 | | 0.20 | 9.8 | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | 0.45 | J | 0.20 | 2.2 | J | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | 0.40 | J | 0.20 | 1.0 | J | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 3.1 | | 0.20 | 13 | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 1.3 | | 0.20 | 5.7 | | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1134130AB | 12/12/2011 02:38 | Michael A Ziegler | 1 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1134130AB | 12/12/2011 10:09 | Michael A Ziegler | 10 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1134130AB | 12/12/2011 15:43 | Michael A Ziegler | 500 |

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# Analysis Report



**Sample Description: VW5 Summa Can #15 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6487454**
**LLI Group # 1279130**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/30/2011 10:24 by CP

Submitted: 12/02/2011 09:15
Reported: 12/14/2011 16:04

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 720 | J | 500 | 1,700 | J | 1,200 | 1000 |
| 05298 | Benzene | 71-43-2 | N.D. | | 200 | N.D. | | 640 | 1000 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 200 | N.D. | | 2,100 | 1000 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 200 | N.D. | | 780 | 1000 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 500 | N.D. | | 1,100 | 1000 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 500 | N.D. | | 1,500 | 1000 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 200 | N.D. | | 620 | 1000 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 200 | N.D. | | 710 | 1000 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 200 | N.D. | | 530 | 1000 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 200 | N.D. | | 410 | 1000 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 200 | N.D. | | 630 | 1000 |
| 05298 | Cumene | 98-82-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 200 | N.D. | | 1,700 | 1000 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 200 | N.D. | | 1,500 | 1000 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 200 | N.D. | | 990 | 1000 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 650 | J | 200 | 2,600 | J | 810 | 1000 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 200 | N.D. | | 810 | 1000 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 88,000 | | 200 | 350,000 | | 790 | 1000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 200 | N.D. | | 840 | 1000 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 200 | N.D. | | 870 | 1000 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 500 | N.D. | | 3,800 | 1000 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Heptane | 142-82-5 | N.D. | | 200 | N.D. | | 820 | 1000 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 200 | N.D. | | 1,900 | 1000 |
| 05298 | Hexane | 110-54-3 | N.D. | | 200 | N.D. | | 700 | 1000 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 200 | N.D. | | 720 | 1000 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Methylene Chloride | 75-09-2 | 200 | J | 200 | 710 | J | 690 | 1000 |
| 05298 | Octane | 111-65-9 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Pentane | 109-66-0 | N.D. | | 200 | N.D. | | 590 | 1000 |
| 05298 | Styrene | 100-42-5 | N.D. | | 200 | N.D. | | 850 | 1000 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Toluene | 108-88-3 | N.D. | | 200 | N.D. | | 750 | 1000 |

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# Analysis Report



**Sample Description: VW5 Summa Can #15 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6487454**
**LLI Group # 1279130**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/30/2011 10:24 by CP

Submitted: 12/02/2011 09:15
Reported: 12/14/2011 16:04

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 7,800 | 200 | 43,000 | 1,100 | 1000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 200 | N.D. | 1,200 | 1000 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 200 | N.D. | 980 | 1000 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 200 | N.D. | 980 | 1000 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 200 | N.D. | 510 | 1000 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 200 | N.D. | 870 | 1000 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 200 | N.D. | 870 | 1000 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1134130AB | 12/12/2011 03:22 | Michael A Ziegler | 1000 |

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# Analysis Report



**Sample Description: SVE1 Summa Can #1077 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6487455**
**LLI Group # 1279130**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/30/2011 10:37 by CP

Submitted: 12/02/2011 09:15
Reported: 12/14/2011 16:04

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 720 | J | 500 | 1,700 | J | 1,200 | 1000 |
| 05298 | Benzene | 71-43-2 | N.D. | | 200 | N.D. | | 640 | 1000 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 200 | N.D. | | 2,100 | 1000 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 200 | N.D. | | 780 | 1000 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 500 | N.D. | | 1,100 | 1000 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 500 | N.D. | | 1,500 | 1000 |
| 05298 | Carbon Disulfide | 75-15-0 | 290 | J | 200 | 910 | J | 620 | 1000 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 200 | N.D. | | 710 | 1000 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 200 | N.D. | | 530 | 1000 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 200 | N.D. | | 410 | 1000 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 200 | N.D. | | 630 | 1000 |
| 05298 | Cumene | 98-82-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 200 | N.D. | | 1,700 | 1000 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 200 | N.D. | | 1,500 | 1000 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 200 | N.D. | | 990 | 1000 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 210 | J | 200 | 840 | J | 810 | 1000 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 200 | N.D. | | 810 | 1000 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 33,000 | | 200 | 130,000 | | 790 | 1000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 200 | N.D. | | 840 | 1000 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 200 | N.D. | | 870 | 1000 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 500 | N.D. | | 3,800 | 1000 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Heptane | 142-82-5 | N.D. | | 200 | N.D. | | 820 | 1000 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 200 | N.D. | | 1,900 | 1000 |
| 05298 | Hexane | 110-54-3 | N.D. | | 200 | N.D. | | 700 | 1000 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 200 | N.D. | | 720 | 1000 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Methylene Chloride | 75-09-2 | 260 | J | 200 | 920 | J | 690 | 1000 |
| 05298 | Octane | 111-65-9 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Pentane | 109-66-0 | N.D. | | 200 | N.D. | | 590 | 1000 |
| 05298 | Styrene | 100-42-5 | N.D. | | 200 | N.D. | | 850 | 1000 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Toluene | 108-88-3 | 22,000 | | 200 | 84,000 | | 750 | 1000 |

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# Analysis Report



**Sample Description: SVE1 Summa Can #1077 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6487455**
**LLI Group # 1279130**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/30/2011 10:37 by CP

Submitted: 12/02/2011 09:15
Reported: 12/14/2011 16:04

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 250,000 | | 500 | 1,400,000 | | 2,700 | 2500 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 200 | N.D. | | 1,100 | 1000 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 200 | N.D. | | 1,100 | 1000 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 200 | N.D. | | 1,100 | 1000 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 200 | N.D. | | 510 | 1000 |
| 05298 | m/p-Xylene | 179601-23-1 | 270 | J | 200 | 1,200 | J | 870 | 1000 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 200 | N.D. | | 870 | 1000 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1134130AB | 12/12/2011 04:58 | Michael A Ziegler | 1000 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1134130AB | 12/12/2011 13:20 | Michael A Ziegler | 2500 |

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# Analysis Report



**Sample Description: MP04 Summa Can #186 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6487456**
**LLI Group # 1279130**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/30/2011 10:06 by CP

Submitted: 12/02/2011 09:15
Reported: 12/14/2011 16:04

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 8.5 | | 0.50 | 20 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | N.D. | | 0.20 | N.D. | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 2.3 | | 0.50 | 6.8 | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 0.85 | J | 0.20 | 2.7 | J | 0.62 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 0.82 | J | 0.20 | 2.9 | J | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 0.24 | J | 0.20 | 0.49 | J | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 0.90 | J | 0.20 | 4.4 | J | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.49 | J | 0.20 | 2.4 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 0.67 | J | 0.20 | 2.7 | J | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 8.4 | | 0.20 | 33 | | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 0.29 | J | 0.20 | 1.3 | J | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | 0.42 | J | 0.20 | 2.0 | J | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 0.20 | N.D. | | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.32 | J | 0.20 | 0.94 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 0.60 | J | 0.20 | 2.3 | J | 0.75 | 1 |

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# Analysis Report



**Sample Description: MP04 Summa Can #186 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6487456**
**LLI Group # 1279130**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/30/2011 10:06 by CP

Submitted: 12/02/2011 09:15
Reported: 12/14/2011 16:04

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 2.2 | | 0.20 | 12 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 2.2 | | 0.20 | 11 | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | 0.47 | J | 0.20 | 2.3 | J | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 1.4 | | 0.20 | 6.3 | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 0.56 | J | 0.20 | 2.4 | J | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1134130AB | 12/12/2011 12:29 | Michael A Ziegler | 1 |

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# Analysis Report



**Sample Description: VW6 Summa Can #21 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6487457**
**LLI Group # 1279130**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/30/2011 10:20 by CP

Submitted: 12/02/2011 09:15
Reported: 12/14/2011 16:04

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 630 | | 50 | 1,500 | | 120 | 100 |
| 05298 | Benzene | 71-43-2 | N.D. | | 20 | N.D. | | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 50 | N.D. | | 110 | 100 |
| 05298 | 2-Butanone | 78-93-3 | 56 | J | 50 | 160 | J | 150 | 100 |
| 05298 | Carbon Disulfide | 75-15-0 | 170 | | 20 | 530 | | 62 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 20 | N.D. | | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 20 | N.D. | | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 20 | N.D. | | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 20 | N.D. | | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 88 | J | 20 | 360 | J | 81 | 100 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 20 | N.D. | | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 6,000 | | 20 | 24,000 | | 79 | 100 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 20 | N.D. | | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | N.D. | | 20 | N.D. | | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | N.D. | | 20 | N.D. | | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 120 | | 20 | 430 | | 69 | 100 |
| 05298 | Octane | 111-65-9 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Pentane | 109-66-0 | 33 | J | 20 | 97 | J | 59 | 100 |
| 05298 | Styrene | 100-42-5 | N.D. | | 20 | N.D. | | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Toluene | 108-88-3 | 85 | J | 20 | 320 | J | 75 | 100 |

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# Analysis Report



**Sample Description: VW6 Summa Can #21 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6487457**
**LLI Group # 1279130**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/30/2011 10:20 by CP

Submitted: 12/02/2011 09:15
Reported: 12/14/2011 16:04

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 600 | 20 | 3,300 | 110 | 100 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 20 | N.D. | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 20 | N.D. | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 20 | N.D. | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 20 | N.D. | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 20 | N.D. | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 20 | N.D. | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 20 | N.D. | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 20 | N.D. | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 20 | N.D. | 87 | 100 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1134130AB | 12/12/2011 06:28 | Michael A Ziegler | 100 |

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# Analysis Report



**Sample Description: MP07 Summa Can #414 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6487458**
**LLI Group # 1279130**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/30/2011 10:19 by CP

Submitted: 12/02/2011 09:15
Reported: 12/14/2011 16:04

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 6.3 | J | 5.0 | 15 | J | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 5.0 | N.D. | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 2.0 | N.D. | | 6.2 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 20 | | 2.0 | 81 | | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 2,100 | | 20 | 8,300 | | 79 | 100 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | 4.3 | J | 2.0 | 15 | J | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Toluene | 108-88-3 | 290 | | 2.0 | 1,100 | | 7.5 | 10 |

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# Analysis Report



**Sample Description: MP07 Summa Can #414 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6487458**
**LLI Group # 1279130**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/30/2011 10:19 by CP

Submitted: 12/02/2011 09:15
Reported: 12/14/2011 16:04

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 1,200 | | 20 | 6,700 | | 110 | 100 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 2.6 | J | 2.0 | 14 | J | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 2.0 | N.D. | | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | 7.9 | J | 2.0 | 34 | J | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | 2.6 | J | 2.0 | 11 | J | 8.7 | 10 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1134130AA | 12/09/2011 08:32 | Florida A Cimino | 10 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1134130AB | 12/11/2011 22:46 | Florida A Cimino | 100 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1134130AB | 12/11/2011 22:46 | Michael A Ziegler | 100 |

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# Analysis Report



**Sample Description: MP05 Summa Can #140 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6487459**
**LLI Group # 1279130**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/30/2011 09:59 by CP

Submitted: 12/02/2011 09:15
Reported: 12/14/2011 16:04

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 3.5 | | 0.50 | 8.4 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | 0.30 | J | 0.20 | 0.96 | J | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 1.4 | J | 0.50 | 4.2 | J | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 0.89 | J | 0.20 | 2.8 | J | 0.62 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | 0.22 | J | 0.20 | 1.4 | J | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 0.78 | J | 0.20 | 2.8 | J | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 0.48 | J | 0.20 | 0.98 | J | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 0.61 | J | 0.20 | 3.0 | J | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | 0.23 | J | 0.20 | 1.4 | J | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | 0.21 | J | 0.20 | 1.3 | J | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | 0.34 | J | 0.20 | 2.0 | J | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.63 | J | 0.20 | 3.1 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 0.31 | J | 0.20 | 1.2 | J | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 100 | | 0.20 | 410 | | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 0.65 | J | 0.20 | 2.8 | J | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | 0.64 | J | 0.20 | 3.2 | J | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | 0.35 | J | 0.20 | 1.4 | J | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | 0.26 | J | 0.20 | 2.5 | J | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | 0.34 | J | 0.20 | 1.2 | J | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | 0.28 | J | 0.20 | 1.3 | J | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 0.30 | J | 0.20 | 1.0 | J | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | 0.30 | J | 0.20 | 1.4 | J | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.54 | J | 0.20 | 1.6 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 0.21 | J | 0.20 | 1.4 | J | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 1.3 | | 0.20 | 4.8 | | 0.75 | 1 |

Lancaster Laboratories

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# Analysis Report



**Sample Description: MP05 Summa Can #140 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6487459**
**LLI Group # 1279130**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/30/2011 09:59 by CP

Submitted: 12/02/2011 09:15
Reported: 12/14/2011 16:04

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 0.65 | J | 0.20 | 3.6 | J | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 1.7 | | 0.20 | 9.3 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 1.6 | | 0.20 | 8.1 | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 2.6 | | 0.20 | 11 | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 1.0 | J | 0.20 | 4.3 | J | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1134130AB | 12/11/2011 21:56 | Michael A Ziegler | 1 |

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# Analysis Report



**Sample Description: SVE2 Summa Can #178 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6487460**
**LLI Group # 1279130**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/30/2011 10:39 by CP

Submitted: 12/02/2011 09:15
Reported: 12/14/2011 16:04

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 620 | | 50 | 1,500 | | 120 | 100 |
| 05298 | Benzene | 71-43-2 | N.D. | | 20 | N.D. | | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 50 | N.D. | | 110 | 100 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 50 | N.D. | | 150 | 100 |
| 05298 | Carbon Disulfide | 75-15-0 | 190 | | 20 | 580 | | 62 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 26 | J | 20 | 90 | J | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 20 | N.D. | | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | 52 | J | 20 | 110 | J | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 20 | N.D. | | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 260 | | 20 | 1,100 | | 81 | 100 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 20 | N.D. | | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 13,000 | | 200 | 52,000 | | 790 | 1000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 20 | N.D. | | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | N.D. | | 20 | N.D. | | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | N.D. | | 20 | N.D. | | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 98 | J | 20 | 340 | J | 69 | 100 |
| 05298 | Octane | 111-65-9 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Pentane | 109-66-0 | 38 | J | 20 | 110 | J | 59 | 100 |
| 05298 | Styrene | 100-42-5 | N.D. | | 20 | N.D. | | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Toluene | 108-88-3 | 4,600 | | 20 | 18,000 | | 75 | 100 |

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# Analysis Report



**Sample Description: SVE2 Summa Can #178 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6487460**
**LLI Group # 1279130**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/30/2011 10:39 by CP

Submitted: 12/02/2011 09:15
Reported: 12/14/2011 16:04

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 6,200 | | 20 | 34,000 | | 110 | 100 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 20 | N.D. | | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | 52 | J | 20 | 230 | J | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | 20 | J | 20 | 87 | J | 87 | 100 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1134130AB | 12/12/2011 07:15 | Michael A Ziegler | 100 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1134130AB | 12/12/2011 14:18 | Michael A Ziegler | 1000 |

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# Analysis Report



**Sample Description: MW64 Summa Can #113 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6487461**
**LLI Group # 1279130**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/30/2011 10:22 by CP

Submitted: 12/02/2011 09:15
Reported: 12/14/2011 16:04

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 7,300 | | 1,000 | 17,000 | | 2,400 | 2000 |
| 05298 | Benzene | 71-43-2 | N.D. | | 400 | N.D. | | 1,300 | 2000 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 400 | N.D. | | 2,600 | 2000 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 400 | N.D. | | 2,700 | 2000 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 400 | N.D. | | 4,100 | 2000 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 400 | N.D. | | 1,600 | 2000 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 1,000 | N.D. | | 2,200 | 2000 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 1,000 | N.D. | | 2,900 | 2000 |
| 05298 | Carbon Disulfide | 75-15-0 | 3,900 | | 400 | 12,000 | | 1,200 | 2000 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 400 | N.D. | | 2,500 | 2000 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 400 | N.D. | | 1,800 | 2000 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 400 | N.D. | | 1,400 | 2000 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 400 | N.D. | | 1,100 | 2000 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 400 | N.D. | | 2,000 | 2000 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 400 | N.D. | | 830 | 2000 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 400 | N.D. | | 1,300 | 2000 |
| 05298 | Cumene | 98-82-8 | N.D. | | 400 | N.D. | | 2,000 | 2000 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 400 | N.D. | | 3,400 | 2000 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 400 | N.D. | | 3,100 | 2000 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 400 | N.D. | | 2,800 | 2000 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 400 | N.D. | | 2,400 | 2000 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 400 | N.D. | | 2,400 | 2000 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 400 | N.D. | | 2,400 | 2000 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 400 | N.D. | | 2,000 | 2000 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 5,900 | | 400 | 24,000 | | 1,600 | 2000 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 400 | N.D. | | 1,600 | 2000 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 480,000 | | 4,000 | 1,900,000 | | 16,000 | 20000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 400 | N.D. | | 1,600 | 2000 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 400 | N.D. | | 1,600 | 2000 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 400 | N.D. | | 1,700 | 2000 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 400 | N.D. | | 1,800 | 2000 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 400 | N.D. | | 1,800 | 2000 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 400 | N.D. | | 1,800 | 2000 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 400 | N.D. | | 1,700 | 2000 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 400 | N.D. | | 2,000 | 2000 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 1,000 | N.D. | | 7,700 | 2000 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 400 | N.D. | | 2,800 | 2000 |
| 05298 | Heptane | 142-82-5 | N.D. | | 400 | N.D. | | 1,600 | 2000 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 400 | N.D. | | 3,900 | 2000 |
| 05298 | Hexane | 110-54-3 | N.D. | | 400 | N.D. | | 1,400 | 2000 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 1,000 | N.D. | | 4,100 | 2000 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 400 | N.D. | | 1,900 | 2000 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 400 | N.D. | | 1,400 | 2000 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 1,000 | N.D. | | 4,100 | 2000 |
| 05298 | Methylene Chloride | 75-09-2 | 2,400 | | 400 | 8,500 | | 1,400 | 2000 |
| 05298 | Octane | 111-65-9 | N.D. | | 400 | N.D. | | 1,900 | 2000 |
| 05298 | Pentane | 109-66-0 | 820 | J | 400 | 2,400 | J | 1,200 | 2000 |
| 05298 | Styrene | 100-42-5 | N.D. | | 400 | N.D. | | 1,700 | 2000 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 400 | N.D. | | 2,700 | 2000 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 400 | N.D. | | 2,700 | 2000 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 400 | N.D. | | 2,700 | 2000 |
| 05298 | Toluene | 108-88-3 | 14,000 | | 400 | 54,000 | | 1,500 | 2000 |

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# Analysis Report



**Sample Description: MW64 Summa Can #113 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6487461**
**LLI Group # 1279130**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/30/2011 10:22 by CP

Submitted: 12/02/2011 09:15
Reported: 12/14/2011 16:04

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 210,000 | 4,000 | 1,100,000 | 22,000 | 20000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 400 | N.D. | 2,200 | 2000 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 400 | N.D. | 2,100 | 2000 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 400 | N.D. | 2,200 | 2000 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 400 | N.D. | 2,400 | 2000 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 400 | N.D. | 2,000 | 2000 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 400 | N.D. | 2,000 | 2000 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 400 | N.D. | 1,000 | 2000 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 400 | N.D. | 1,700 | 2000 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 400 | N.D. | 1,700 | 2000 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1134530AB | 12/13/2011 10:05 | Michael A Ziegler | 2000 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1134530AB | 12/13/2011 12:26 | Michael A Ziegler | 20000 |

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# Analysis Report



**Sample Description: SVE4 Summa Can #32 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6487462**
**LLI Group # 1279130**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/30/2011 10:44 by CP

Submitted: 12/02/2011 09:15
Reported: 12/14/2011 16:04

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 9.2 | | 0.50 | 22 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | 0.43 | J | 0.20 | 1.4 | J | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | 0.62 | J | 0.20 | 2.4 | J | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 1.8 | J | 0.50 | 5.3 | J | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 0.20 | N.D. | | 0.62 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 0.36 | J | 0.20 | 1.3 | J | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | 1.2 | | 0.20 | 5.9 | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 0.42 | J | 0.20 | 0.88 | J | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 1.8 | | 0.20 | 8.7 | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.49 | J | 0.20 | 2.4 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 2.3 | | 0.20 | 9.3 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 0.44 | J | 0.20 | 1.7 | J | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 0.20 | N.D. | | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 3.7 | | 0.20 | 11 | | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 0.22 | J | 0.20 | 1.5 | J | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 0.44 | J | 0.20 | 1.6 | J | 0.75 | 1 |

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# Analysis Report



**Sample Description: SVE4 Summa Can #32 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6487462**
**LLI Group # 1279130**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/30/2011 10:44 by CP

Submitted: 12/02/2011 09:15
Reported: 12/14/2011 16:04

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 2.9 | | 0.20 | 16 | | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 1.2 | | 0.20 | 6.8 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 0.80 | J | 0.20 | 3.9 | J | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 0.60 | J | 0.20 | 2.6 | J | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 0.25 | J | 0.20 | 1.1 | J | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1134130AC | 12/12/2011 22:42 | Michael A Ziegler | 1 |

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# Analysis Report



**Sample Description: MP02 Summa Can #135 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6487463**
**LLI Group # 1279130**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/30/2011 10:50 by CP

Submitted: 12/02/2011 09:15
Reported: 12/14/2011 16:04

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 59 | | 5.0 | 140 | | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | 45 | | 5.0 | 130 | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | 3.1 | J | 2.0 | 9.7 | J | 6.2 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | 5.5 | J | 2.0 | 27 | J | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 63 | | 2.0 | 260 | | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 3,400 | | 40 | 13,000 | | 160 | 200 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 2.0 | N.D. | | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | 2.4 | J | 2.0 | 16 | J | 14 | 10 |
| 05298 | Toluene | 108-88-3 | N.D. | | 2.0 | N.D. | | 7.5 | 10 |

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# Analysis Report



**Sample Description: MP02 Summa Can #135 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6487463**
**LLI Group # 1279130**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/30/2011 10:50 by CP

Submitted: 12/02/2011 09:15
Reported: 12/14/2011 16:04

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 1,100 | 40 | 5,800 | 220 | 200 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 2.0 | N.D. | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 2.0 | N.D. | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 2.0 | N.D. | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 2.0 | N.D. | 8.7 | 10 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1134530AA | 12/12/2011 12:47 | Jeffrey B Smith | 10 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1134530AB | 12/13/2011 13:16 | Michael A Ziegler | 200 |

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# Analysis Report



**Sample Description: MP08 Summa Can #57 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6487464**
**LLI Group # 1279130**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/30/2011 10:26 by CP

Submitted: 12/02/2011 09:15
Reported: 12/14/2011 16:04

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 12 | | 0.50 | 29 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | 1.5 | | 0.20 | 4.8 | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 0.64 | J | 0.50 | 1.9 | J | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 0.20 | N.D. | | 0.62 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 1.2 | | 0.20 | 4.1 | | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | 0.42 | J | 0.20 | 2.0 | J | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 1.4 | | 0.20 | 2.8 | | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 1.2 | | 0.20 | 5.8 | | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 2.0 | | 0.20 | 7.8 | | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | 0.27 | J | 0.20 | 1.1 | J | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | 2.4 | | 0.20 | 8.6 | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | 0.24 | J | 0.20 | 1.1 | J | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 9.9 | | 0.20 | 34 | | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 5.7 | | 0.20 | 17 | | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 1.6 | | 0.20 | 6.0 | | 0.75 | 1 |

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# Analysis Report



**Sample Description: MP08 Summa Can #57 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6487464**
**LLI Group # 1279130**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/30/2011 10:26 by CP

Submitted: 12/02/2011 09:15
Reported: 12/14/2011 16:04

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 0.21 | J | 0.20 | 1.1 | J | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 1.0 | | 0.20 | 5.8 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 0.57 | J | 0.20 | 2.5 | J | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 0.89 | J | 0.20 | 3.9 | J | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1134530AB | 12/13/2011 07:08 | Michael A Ziegler | 1 |

Lancaster Laboratories

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# Analysis Report



**Sample Description: MW65S Summa Can #404 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6487465**
**LLI Group # 1279130**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/30/2011 10:29 by CP

Submitted: 12/02/2011 09:15
Reported: 12/14/2011 16:04

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | N.D. | | 100 | N.D. | | 240 | 200 |
| 05298 | Benzene | 71-43-2 | N.D. | | 40 | N.D. | | 130 | 200 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 40 | N.D. | | 260 | 200 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 40 | N.D. | | 270 | 200 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 40 | N.D. | | 410 | 200 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 40 | N.D. | | 160 | 200 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 100 | N.D. | | 220 | 200 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 100 | N.D. | | 290 | 200 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 40 | N.D. | | 120 | 200 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 40 | N.D. | | 250 | 200 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 40 | N.D. | | 180 | 200 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 40 | N.D. | | 140 | 200 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 40 | N.D. | | 110 | 200 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 40 | N.D. | | 200 | 200 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 40 | N.D. | | 83 | 200 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 40 | N.D. | | 130 | 200 |
| 05298 | Cumene | 98-82-8 | N.D. | | 40 | N.D. | | 200 | 200 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 40 | N.D. | | 340 | 200 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 40 | N.D. | | 310 | 200 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 40 | N.D. | | 280 | 200 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 40 | N.D. | | 240 | 200 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 40 | N.D. | | 240 | 200 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 40 | N.D. | | 240 | 200 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 40 | N.D. | | 200 | 200 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 120 | J | 40 | 500 | J | 160 | 200 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 40 | N.D. | | 160 | 200 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 73,000 | | 400 | 290,000 | | 1,600 | 2000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 40 | N.D. | | 160 | 200 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 40 | N.D. | | 160 | 200 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 40 | N.D. | | 170 | 200 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 40 | N.D. | | 180 | 200 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 40 | N.D. | | 180 | 200 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 40 | N.D. | | 180 | 200 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 40 | N.D. | | 170 | 200 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 40 | N.D. | | 200 | 200 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 100 | N.D. | | 770 | 200 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 40 | N.D. | | 280 | 200 |
| 05298 | Heptane | 142-82-5 | N.D. | | 40 | N.D. | | 160 | 200 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 40 | N.D. | | 390 | 200 |
| 05298 | Hexane | 110-54-3 | N.D. | | 40 | N.D. | | 140 | 200 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 100 | N.D. | | 410 | 200 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 40 | N.D. | | 190 | 200 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 40 | N.D. | | 140 | 200 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 100 | N.D. | | 410 | 200 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 40 | N.D. | | 140 | 200 |
| 05298 | Octane | 111-65-9 | N.D. | | 40 | N.D. | | 190 | 200 |
| 05298 | Pentane | 109-66-0 | N.D. | | 40 | N.D. | | 120 | 200 |
| 05298 | Styrene | 100-42-5 | N.D. | | 40 | N.D. | | 170 | 200 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 40 | N.D. | | 270 | 200 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 40 | N.D. | | 270 | 200 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 40 | N.D. | | 270 | 200 |
| 05298 | Toluene | 108-88-3 | N.D. | | 40 | N.D. | | 150 | 200 |

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# Analysis Report



**Sample Description: MW65S Summa Can #404 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6487465**
**LLI Group # 1279130**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/30/2011 10:29 by CP

Submitted: 12/02/2011 09:15
Reported: 12/14/2011 16:04

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 1,200 | 40 | 6,500 | 220 | 200 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 40 | N.D. | 220 | 200 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 40 | N.D. | 210 | 200 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 40 | N.D. | 220 | 200 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 40 | N.D. | 240 | 200 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 40 | N.D. | 200 | 200 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 40 | N.D. | 200 | 200 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 40 | N.D. | 100 | 200 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 40 | N.D. | 170 | 200 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 40 | N.D. | 170 | 200 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1134530AB | 12/12/2011 22:11 | Michael A Ziegler | 200 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1134530AB | 12/13/2011 07:51 | Michael A Ziegler | 2000 |

## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1279130
Reported: 12/14/11 at 04:04 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

## Laboratory Compliance Quality Control

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: C1134130AA | Sample number(s): 6487458 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 99 | 101 | 67-138 | 1 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 102 | 104 | 70-130 | 2 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 99 | 100 | 70-138 | 1 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 103 | 105 | 71-150 | 2 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 100 | 102 | 70-130 | 3 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 102 | 106 | 60-135 | 4 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 101 | 106 | 66-129 | 5 | 25 |
| Carbon Disulfide | N.D. | 0.20 | ppb(v) | 81 | 82 | 56-106 | 1 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 99 | 102 | 70-130 | 2 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 95 | 97 | 70-130 | 2 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 100 | 102 | 71-129 | 2 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 93 | 95 | 70-130 | 2 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 94 | 97 | 58-129 | 4 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 98 | 100 | 68-138 | 3 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 103 | 105 | 71-135 | 2 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 102 | 105 | 71-143 | 3 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 97 | 99 | 68-136 | 2 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 98 | 100 | 67-140 | 2 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 104 | 106 | 72-140 | 2 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 96 | 99 | 66-126 | 3 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 101 | 103 | 70-130 | 2 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 96 | 101 | 69-120 | 5 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 95 | 97 | 67-121 | 2 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 91 | 92 | 70-130 | 0 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 105 | 107 | 67-134 | 2 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 99 | 103 | 67-134 | 4 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 108 | 111 | 70-130 | 3 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 99 | 102 | 69-135 | 3 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 88 | 89 | 67-115 | 1 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 91 | 92 | 66-120 | 1 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 99 | 101 | 60-125 | 2 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 93 | 97 | 62-120 | 4 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 124 | 128 | 54-166 | 3 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 92 | 99 | 64-124 | 7 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 113 | 116 | 61-145 | 3 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 89 | 92 | 70-130 | 3 | 25 |
| Octane | N.D. | 0.20 | ppb(v) | | | | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1279130
Reported: 12/14/11 at 04:04 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 103 | 105 | 70-139 | 2 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 102 | 105 | 67-145 | 2 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 99 | 101 | 70-130 | 2 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 105 | 108 | 70-130 | 3 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 99 | 100 | 68-128 | 2 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 98 | 100 | 70-130 | 2 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 102 | 104 | 70-130 | 2 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 100 | 102 | 69-138 | 2 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 104 | 106 | 71-142 | 2 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 109 | 113 | 70-130 | 4 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 114 | 117 | 70-130 | 2 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 111 | 113 | 70-130 | 2 | 25 |
| Batch number: C1134130AB | Sample number(s): 6487449-6487460 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 99 | 101 | 67-138 | 1 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 102 | 104 | 70-130 | 2 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 99 | 100 | 70-138 | 1 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 103 | 105 | 71-150 | 2 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 100 | 102 | 70-130 | 3 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 102 | 106 | 60-135 | 4 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 101 | 106 | 66-129 | 5 | 25 |
| Carbon Disulfide | N.D. | 0.20 | ppb(v) | 81 | 82 | 56-106 | 1 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 99 | 102 | 70-130 | 2 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 95 | 97 | 70-130 | 2 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 100 | 102 | 71-129 | 2 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 93 | 95 | 70-130 | 2 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 94 | 97 | 58-129 | 4 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 98 | 100 | 68-138 | 3 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 103 | 105 | 71-135 | 2 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 102 | 105 | 71-143 | 3 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 97 | 99 | 68-136 | 2 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 98 | 100 | 67-140 | 2 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 104 | 106 | 72-140 | 2 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 96 | 99 | 66-126 | 3 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 101 | 103 | 70-130 | 2 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 90 | 93 | 64-117 | 3 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 96 | 101 | 69-120 | 5 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 95 | 97 | 67-121 | 2 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 91 | 92 | 70-130 | 0 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 105 | 107 | 67-134 | 2 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 99 | 103 | 67-134 | 4 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 108 | 111 | 70-130 | 3 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 99 | 102 | 69-135 | 3 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 88 | 89 | 67-115 | 1 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 91 | 92 | 66-120 | 1 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 99 | 101 | 60-125 | 2 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 93 | 97 | 62-120 | 4 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 124 | 128 | 54-166 | 3 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1279130
Reported: 12/14/11 at 04:04 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 92 | 99 | 64-124 | 7 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 113 | 116 | 61-145 | 3 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 89 | 92 | 70-130 | 3 | 25 |
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 103 | 105 | 70-139 | 2 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 102 | 105 | 67-145 | 2 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 99 | 101 | 70-130 | 2 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 105 | 108 | 70-130 | 3 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 98 | 101 | 70-130 | 4 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 99 | 100 | 68-128 | 2 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 98 | 100 | 70-130 | 2 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 102 | 104 | 70-130 | 2 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 100 | 102 | 69-138 | 2 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 104 | 106 | 71-142 | 2 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 109 | 113 | 70-130 | 4 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 114 | 117 | 70-130 | 2 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 111 | 113 | 70-130 | 2 | 25 |
| Batch number: C1134130AC | Sample number(s): 6487462 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 99 | 101 | 67-138 | 1 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 102 | 104 | 70-130 | 2 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 99 | 100 | 70-138 | 1 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 103 | 105 | 71-150 | 2 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 100 | 102 | 70-130 | 3 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 102 | 106 | 60-135 | 4 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 101 | 106 | 66-129 | 5 | 25 |
| Carbon Disulfide | N.D. | 0.20 | ppb(v) | 81 | 82 | 56-106 | 1 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 99 | 102 | 70-130 | 2 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 95 | 97 | 70-130 | 2 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 100 | 102 | 71-129 | 2 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 93 | 95 | 70-130 | 2 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 94 | 97 | 58-129 | 4 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 98 | 100 | 68-138 | 3 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 103 | 105 | 71-135 | 2 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 102 | 105 | 71-143 | 3 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 97 | 99 | 68-136 | 2 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 98 | 100 | 67-140 | 2 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 104 | 106 | 72-140 | 2 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 96 | 99 | 66-126 | 3 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 101 | 103 | 70-130 | 2 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 90 | 93 | 64-117 | 3 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 96 | 101 | 69-120 | 5 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 95 | 97 | 67-121 | 2 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 91 | 92 | 70-130 | 0 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 105 | 107 | 67-134 | 2 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 99 | 103 | 67-134 | 4 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 108 | 111 | 70-130 | 3 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 99 | 102 | 69-135 | 3 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1279130
Reported: 12/14/11 at 04:04 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Freon 113 | N.D. | 0.50 | ppb(v) | 88 | 89 | 67-115 | 1 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 91 | 92 | 66-120 | 1 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 99 | 101 | 60-125 | 2 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 93 | 97 | 62-120 | 4 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 124 | 128 | 54-166 | 3 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 92 | 99 | 64-124 | 7 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 113 | 116 | 61-145 | 3 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 89 | 92 | 70-130 | 3 | 25 |
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 103 | 105 | 70-139 | 2 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 102 | 105 | 67-145 | 2 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 99 | 101 | 70-130 | 2 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 105 | 108 | 70-130 | 3 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 98 | 101 | 70-130 | 4 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 99 | 100 | 68-128 | 2 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 98 | 100 | 70-130 | 2 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 102 | 104 | 70-130 | 2 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 100 | 102 | 69-138 | 2 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 104 | 106 | 71-142 | 2 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 109 | 113 | 70-130 | 4 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 114 | 117 | 70-130 | 2 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 111 | 113 | 70-130 | 2 | 25 |
| Batch number: D1133530AB | Sample number(s): 6487444-6487448 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 107 | 104 | 67-138 | 3 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 105 | 102 | 70-130 | 3 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 106 | 100 | 70-138 | 6 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 105 | 98 | 71-150 | 7 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 106 | 101 | 70-130 | 5 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 110 | 104 | 60-135 | 5 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 111 | 109 | 66-129 | 2 | 25 |
| Carbon Disulfide | N.D. | 0.50 | ppb(v) | 86 | 82 | 56-106 | 5 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 106 | 98 | 70-130 | 8 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 93 | 88 | 70-130 | 5 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 106 | 101 | 71-129 | 5 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 99 | 92 | 70-130 | 7 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 105 | 95 | 58-129 | 10 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 95 | 91 | 68-138 | 5 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 99 | 95 | 71-135 | 5 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 107 | 100 | 71-143 | 6 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 95 | 90 | 68-136 | 6 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 99 | 92 | 67-140 | 7 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 107 | 98 | 72-140 | 8 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 97 | 94 | 66-126 | 3 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 110 | 103 | 70-130 | 6 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 97 | 91 | 64-117 | 7 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 99 | 97 | 69-120 | 2 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 95 | 92 | 67-121 | 3 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1279130
Reported: 12/14/11 at 04:04 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 94 | 93 | 70-130 | 1 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 113 | 110 | 67-134 | 3 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 95 | 92 | 67-134 | 3 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 112 | 108 | 70-130 | 3 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 105 | 100 | 69-135 | 5 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 92 | 87 | 67-115 | 6 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 99 | 90 | 66-120 | 9 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 102 | 100 | 60-125 | 3 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 94 | 93 | 62-120 | 1 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 117 | 114 | 54-166 | 2 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 99 | 98 | 64-124 | 1 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 126 | 123 | 61-145 | 2 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 92 | 89 | 70-130 | 3 | 25 |
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 111 | 106 | 70-139 | 5 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 99 | 95 | 67-145 | 4 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 95 | 91 | 70-130 | 4 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 105 | 101 | 70-130 | 4 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 102 | 96 | 70-130 | 6 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 94 | 90 | 68-128 | 5 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 105 | 100 | 70-130 | 5 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 110 | 100 | 70-130 | 9 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 105 | 99 | 69-138 | 5 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 113 | 108 | 71-142 | 5 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 108 | 104 | 70-130 | 3 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 124 | 119 | 70-130 | 4 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 120 | 115 | 70-130 | 4 | 25 |
| Batch number: D1133530AC | Sample number(s): 6487448 | | | | | | | |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 97 | 91 | 64-117 | 7 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 102 | 96 | 70-130 | 6 | 25 |
| Batch number: D1134530AA | Sample number(s): 6487445,6487463 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 102 | 99 | 67-138 | 3 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 94 | 92 | 70-130 | 2 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 97 | 95 | 70-138 | 2 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 97 | 95 | 71-150 | 2 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 112 | 110 | 70-130 | 1 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 107 | 108 | 60-135 | 1 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 101 | 101 | 66-129 | 0 | 25 |
| Carbon Disulfide | N.D. | 0.20 | ppb(v) | 91 | 89 | 56-106 | 3 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 100 | 96 | 70-130 | 4 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 89 | 87 | 70-130 | 2 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 107 | 105 | 71-129 | 2 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 96 | 94 | 70-130 | 2 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 119 | 114 | 58-129 | 4 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 92 | 90 | 68-138 | 3 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 96 | 94 | 71-135 | 3 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1279130
Reported: 12/14/11 at 04:04 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 96 | 93 | 71-143 | 3 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 90 | 87 | 68-136 | 3 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 92 | 90 | 67-140 | 2 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 121 | 122 | 72-140 | 1 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 95 | 95 | 66-126 | 1 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 99 | 96 | 70-130 | 2 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 99 | 96 | 64-117 | 3 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 99 | 97 | 69-120 | 2 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 96 | 95 | 67-121 | 0 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 86 | 84 | 70-130 | 2 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 100 | 99 | 67-134 | 1 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 92 | 90 | 67-134 | 3 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 96 | 91 | 70-130 | 5 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 87 | 85 | 69-135 | 3 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 90 | 86 | 67-115 | 4 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 101 | 98 | 66-120 | 2 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 93 | 91 | 60-125 | 1 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 94 | 95 | 62-120 | 1 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 120 | 120 | 54-166 | 1 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 93 | 93 | 64-124 | 0 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 109 | 111 | 61-145 | 2 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 90 | 91 | 70-130 | 0 | 25 |
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 96 | 91 | 70-139 | 5 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 88 | 86 | 67-145 | 2 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 89 | 87 | 70-130 | 2 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 92 | 89 | 70-130 | 3 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 98 | 95 | 70-130 | 3 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 85 | 83 | 68-128 | 2 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 101 | 100 | 70-130 | 1 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 109 | 105 | 70-130 | 4 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 87 | 85 | 69-138 | 2 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 91 | 88 | 71-142 | 4 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 122 | 123 | 70-130 | 1 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 103 | 98 | 70-130 | 5 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 96 | 91 | 70-130 | 5 | 25 |
| Batch number: D1134530AB | Sample number(s): 6487461,6487463-6487465 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 102 | 99 | 67-138 | 3 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 94 | 92 | 70-130 | 2 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 97 | 95 | 70-138 | 2 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 97 | 95 | 71-150 | 2 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 112 | 110 | 70-130 | 1 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 107 | 108 | 60-135 | 1 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 101 | 101 | 66-129 | 0 | 25 |
| Carbon Disulfide | N.D. | 0.20 | ppb(v) | 91 | 89 | 56-106 | 3 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 100 | 96 | 70-130 | 4 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 89 | 87 | 70-130 | 2 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 107 | 105 | 71-129 | 2 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1279130
Reported: 12/14/11 at 04:04 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Chloroform | N.D. | 0.20 | ppb(v) | 96 | 94 | 70-130 | 2 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 119 | 114 | 58-129 | 4 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 92 | 90 | 68-138 | 3 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 96 | 94 | 71-135 | 3 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 96 | 93 | 71-143 | 3 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 90 | 87 | 68-136 | 3 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 92 | 90 | 67-140 | 2 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 121 | 122 | 72-140 | 1 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 95 | 95 | 66-126 | 1 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 99 | 96 | 70-130 | 2 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 99 | 96 | 64-117 | 3 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 99 | 97 | 69-120 | 2 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 96 | 95 | 67-121 | 0 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 86 | 84 | 70-130 | 2 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 100 | 99 | 67-134 | 1 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 92 | 90 | 67-134 | 3 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 96 | 91 | 70-130 | 5 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 87 | 85 | 69-135 | 3 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 90 | 86 | 67-115 | 4 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 101 | 98 | 66-120 | 2 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 93 | 91 | 60-125 | 1 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 94 | 95 | 62-120 | 1 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 120 | 120 | 54-166 | 1 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 93 | 93 | 64-124 | 0 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 109 | 111 | 61-145 | 2 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 90 | 91 | 70-130 | 0 | 25 |
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 96 | 91 | 70-139 | 5 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 88 | 86 | 67-145 | 2 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 89 | 87 | 70-130 | 2 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 92 | 89 | 70-130 | 3 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 98 | 95 | 70-130 | 3 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 85 | 83 | 68-128 | 2 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 101 | 100 | 70-130 | 1 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 109 | 105 | 70-130 | 4 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 87 | 85 | 69-138 | 2 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 91 | 88 | 71-142 | 4 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 122 | 123 | 70-130 | 1 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 103 | 98 | 70-130 | 5 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 96 | 91 | 70-130 | 5 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1279130
Reported: 12/14/11 at 04:04 PM

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Lancaster Laboratories Inc
2425 New Holland Pike
Lancaster, PA 17601
Tel: (717) 656-2300

# TO-15 External Chain of Custody Record/Field Test Data Sheets

A6556 / 1279130 / 6487444-65

Lancaster Laboratories

| | | | |
|---|---|---|---|
| **Client Contact Information** | **Project Manager:** Todd Hall | **Carrier:** | 1 of 4 COCs |
| Company: Roadrunner Express Inc. | **Phone:** 802-229-4600 | **Samplers Name(s)** Calvin Pruitt | Analysis / Matrix |
| Address: 3945 Thurmond Tanner Road, , | **Site Contact:** | | |
| City/State/Zip: Flowery Branch,GA 30542 | | | |
| Phone: 770-967-6501 | | | |
| FAX: | | | |
| Project Name: Avery Dennison / Flowery Branch, GA | **Analysis Turnaround Time** | | |
| Site: | Standard (Specify) ✓ | | |
| PO # : | Rush (Specify) | | |

| Sample Identification | Sample Date(s) | Time Start (24 hr clock) | Time Stop (24 hr clock) | Canister Pressure in Field ("Hg) (Start) | Canister Pressure in Field ("Hg) (Stop) | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Flow Reg. ID | Can ID | Can Size (L) | Controller Flowrate (ml/min) | TO-15 | Indoor Air | Ambient Air | Soil Gas | Sub Slab |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blower | 11/30 | 11:00 | | | | | | | 895 | 6 | | X | | | | |
| Undiluted | 11/30 | 10:57 | | | | | | | 822 | 6 | | X | | | | |
| MP 10 | 11/30 | 1047 | | | | | | | 324 | 6 | | X | | | | |
| MP 06 | 11/30 | 10:17 | | | | | | | 316 | 6 | | X | | | | |
| MP 09 | 11/30 | 10:56 | | | | | | | 110 | 6 | | X | | | | |
| MP 03 | 11/30 | 10:09 | | | | | | | 1105 | 6 | | X | | | | |

| Temperature (Fahrenheit) | Ambient | Maximum | Minimum |
|---|---|---|---|
| Start | | | |
| Stop | | | |

| Pressure (inches of Hg) | Ambient | Maximum | Minimum |
|---|---|---|---|
| Start | | | |
| Stop | | | |

**Special Instructions/QC Requirements & Comments:**

Send results to TAH@TJEO mail.com

| | | | |
|---|---|---|---|
| Canisters Shipped by: | Date/Time: | Canisters Received by: | Date/Time: |
| Samples Relinquished by: Calvin Pruitt | Date/Time: 11/30/11 12:53pm | Received by: Fed Ex / UPS | Date/Time: |
| Relinquished by: | Date/Time: | Received by: Deborah Neely | Date/Time: 12/2/11 / 0915 |

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2425 New Holland Pike
Lancaster, PA 17601
Tel: (717) 656-2300

# TO-15 External Chain of Custody Record/Field Test Data Sheets

Lancaster Laboratories

A6556 / 1279130 / 6487444-65

| | | | |
|---|---|---|---|
| **Client Contact Information** | Project Manager: Todd Hall | Carrier: | 2 of 4 COCs |
| Company: Roadrunner Express Inc. | Phone: 802-229-4600 | Samplers Name(s) Calvin Pruitt | Analysis / Matrix |
| Address: 3945 Thurmond Tanner Road, . | Site Contact: | | |
| City/State/Zip: Flowery Branch,GA 30542 | | | |
| Phone: 770-967-6501 | | | |
| FAX: | | | |
| Project Name: Avery Dennison / Flowery Branch, GA | **Analysis Turnaround Time** | | |
| Site: | Standard (Specify) ✓ | | |
| PO # : | Rush (Specify) | | |

| Sample Identification | Sample Date(s) | Time Start (24 hr clock) | Time Stop (24 hr clock) | Canister Pressure in Field ("Hg) (Start) | Canister Pressure in Field ("Hg) (Stop) | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Flow Reg. ID | Can ID | Can Size (L) | Controller Flowrate (ml/min) | TO-15 | | | Indoor Air | Ambient Air | Soil Gas | Sub Slab |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SVE 3 | 11/30 | 10:42 | | | | | | | 1107 | 6 | | X | | | | | | |
| MP 11 | 11/30 | 10:52 | | | | | | | 164 | 6 | | X | | | | | | |
| SVE 5 | 11/30 | 10:13 | | | | | | | 891 | 6 | | X | | | | | | |
| SVE 6 | 11/30 | 10:15 | | | | | | | 870 | 6 | | X | | | | | | |
| VW 5 | 11/30 | 10:24 | | | | | | | 15 | 6 | | X | | | | | | |
| SVE 1 | 11/30 | 10:37 | | | | | | | 1077 | 6 | | X | | | | | | |

| Temperature (Fahrenheit) | Ambient | Maximum | Minimum |
|---|---|---|---|
| Start | | | |
| Stop | | | |

| Pressure (inches of Hg) | Ambient | Maximum | Minimum |
|---|---|---|---|
| Start | | | |
| Stop | | | |

**Special Instructions/QC Requirements & Comments:**

Send results to TAH@JCOmail.com

| | | | |
|---|---|---|---|
| Canisters Shipped by: | Date/Time: | Canisters Received by: | Date/Time: |
| Samples Relinquished by: | Date/Time: | Received by: | Date/Time: |
| Relinquished by: | Date/Time: | Received by: Deborah Rush | Date/Time: 12/2/11 / 0915 |

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2425 New Holland Pike
Lancaster, PA 17601
Tel: (717) 656-2300

# TO-15 External Chain of Custody Record/Field Test Data Sheets

Lancaster Laboratories

A6556 / 1279130 / 6487444-65

| | | | |
|---|---|---|---|
| **Client Contact Information** | Project Manager: Todd Hall | Carrier: | 3 of 4 COCs |
| Company: Roadrunner Express Inc. | Phone: 802-229-4600 | Samplers Name(s) Calvin Pruitt | Analysis / Matrix |
| Address: 3945 Thurmond Tanner Road, . | Site Contact: | | |
| City/State/Zip: Flowery Branch,GA 30542 | | | |
| Phone: 770-967-6501 | | | |
| FAX: | | | |
| Project Name: Avery Dennison / Flowery Branch, GA | **Analysis Turnaround Time** | | |
| Site: | Standard (Specify) ✓ | | |
| PO # : | Rush (Specify) | | |

| Sample Identification | Sample Date(s) | Time Start (24 hr clock) | Time Stop (24 hr clock) | Canister Pressure in Field ("Hg) (Start) | Canister Pressure in Field ("Hg) (Stop) | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Flow Reg. ID | Can ID | Can Size (L) | Controller Flowrate (ml/min) | TO-15 | | | Indoor Air | Ambient Air | Soil Gas | Sub Slab |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MP 04 | 11/30 | 10:06 | | | | | | | 186 | 6 | | X | | | | | | |
| VW 6 | 11/30 | 10:20 | | | | | | | 21 | 6 | | X | | | | | | |
| MP 07 | 11/30 | 10:19 | | | | | | | 414 | 6 | | X | | | | | | |
| MP 05 | 11/30 | 9:59 | | | | | | | 140 | 6 | | X | | | | | | |
| SVE 2 | 11/30 | 10:39 | | | | | | | 178 | 6 | | X | | | | | | |
| MW 104 | 11/30 | 10:22 | | | | | | | 113 | 6 | | X | | | | | | |

| Temperature (Fahrenheit) | Ambient | Maximum | Minimum |
|---|---|---|---|
| Start | | | |
| Stop | | | |

| Pressure (inches of Hg) | Ambient | Maximum | Minimum |
|---|---|---|---|
| Start | | | |
| Stop | | | |

**Special Instructions/QC Requirements & Comments:**

Send results to Todd Hall TAH@JCOmail.com

| | | | |
|---|---|---|---|
| Canisters Shipped by: | Date/Time: | Canisters Received by: | Date/Time: |
| Samples Relinquished by: | Date/Time: | Received by: | Date/Time: |
| Relinquished by: | Date/Time: | Received by: Deborah Neal | Date/Time: 12/2/11 / 0915 |

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Tel: (717) 656-2300

# TO-15 External Chain of Custody Record/Field Test Data Sheets

Lancaster Laboratories

A6556 / 1279130 / 6487444-65

| | | | |
|---|---|---|---|
| **Client Contact Information** | **Project Manager:** Todd Hall | **Carrier:** | 4 of 4 COCs |
| Company: Roadrunner Express Inc. | Phone: 802-229-4600 | **Samplers Name(s)** Calvin Pewitt | Analysis / Matrix |
| Address: 3945 Thurmond Tanner Road, , | **Site Contact:** | | |
| City/State/Zip: Flowery Branch,GA 30542 | | | |
| Phone: 770-967-6501 | | | |
| FAX: | | | |
| Project Name: Avery Dennison / Flowery Branch, GA | **Analysis Turnaround Time** | | |
| Site: | Standard (Specify) ✓ | | |
| PO # : | Rush (Specify) | | |

| Sample Identification | Sample Date(s) | Time Start (24 hr clock) | Time Stop (24 hr clock) | Canister Pressure in Field ("Hg) (Start) | Canister Pressure in Field ("Hg) (Stop) | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Flow Reg. ID | Can ID | Can Size (L) | Controller Flowrate (ml/min) | TO-15 | | | Indoor Air | Ambient Air | Soil Gas | Sub Slab |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SVE 4 | 11/30 | 10:44 | | | | | | | 32 | 6 | | ✓ | | | | | | |
| MP 02 | 11/30 | 10:50 | | | | | | | 135 | 6 | | ✓ | | | | | | |
| MP 08 | 11/30 | 10:26 | | | | | | | 57 | 6 | | ✓ | | | | | | |
| MW 65S | 11/30 | 10:29 | | | | | | | 404 | 6 | | ✓ | | | | | | |
| | ~~11/30~~ | | | | | | | | | | | | | | | | | |
| | ~~11/30~~ | | | | | | | | | | | | | | | | | |

| Temperature (Fahrenheit) | Ambient | Maximum | Minimum |
|---|---|---|---|
| Start | | | |
| Stop | | | |

| Pressure (inches of Hg) | Ambient | Maximum | Minimum |
|---|---|---|---|
| Start | | | |
| Stop | | | |

**Special Instructions/QC Requirements & Comments:**

Send results to Todd Hall @ TAH@TJCOmail.com

| | | | |
|---|---|---|---|
| Canisters Shipped by: | Date/Time: | Canisters Received by: | Date/Time: |
| Samples Relinquished by: | Date/Time: | Received by: | Date/Time: |
| Relinquished by: | Date/Time: | Received by: Deborah Neff | Date/Time: 12/2/11 / 0915 |

**Interim Soil Vapor Extraction System - System Data**
**Avery Dennison Facility, Flowery Branch, GA**

Date: 11-30-11 Field Representative(s): Calvin Henry

| Sample Location | Time Collected | Cannister # | Starting Pressure | Final Pressure | Comments |
|---|---|---|---|---|---|
| ✓ MP-02 | 10:50 | 135 | | | |
| ✓ MP-03 | 10:09 | 1105 | | | |
| ✓ MP-04 | 10:06 | 186 | | | |
| ✓ MP-05 | 9:59 | 140 | | | |
| ✓ MP-06 | 10:17 | 316 | | | |
| ✓ MP-07 | 10:19 | 414 | | | |
| ✓ MP-08 | 10:26 | 57 | | | |
| ✓ MP-09 | 10:56 | 110 | | | |
| ✓ MP-10 | 10:47 | 324 | | | |
| ✓ MP-11 | 10:52 | 164 | | | |
| VW-3 | OFF | OFF | | | |
| ✓ VW-5 | 10:24 | 15 | | | |
| ✓ VW-6 | 10:20 | 21 | | | |
| ✓ MW-64 | 10:22 | 113 | | | |
| ✓ MW-65s | 10:29 | 404 | | | |
| ✓ SVE-1 | 10:37 | 1077 | | | |
| ✓ SVE-2 | 10:39 | 178 | | | |
| ✓ SVE-3 | 10:42 | 1107 | | | |
| ✓ SVE-4 | 10:44 | 32 | | | |
| ✓ SVE-5 | 10:13 | 891 | | | |
| ✓ SVE-6 | 10:15 | 870 | | | |
| ✓ Undiluted | 10:57 | 822 | | | |
| ✓ Blower Exhaust | 11:00 | 895 | | | |

Lancaster Laboratories

# Environmental Sample Administration
# Receipt Documentation Log

**Client/Project:** Avery Dennison

**Date of Receipt:** 12/2/11

**Time of Receipt:** 0915

**Source Code:** 50-1

**Shipping Container Sealed:** (YES) NO

**Custody Seal Present * :** YES (NO)

* Custody seal was intact unless otherwise noted in the discrepancy section

**Package:** Chilled (Not Chilled)

| Temperature of Shipping Containers | | | | | | | |
|---|---|---|---|---|---|---|---|
| Cooler # | Thermometer ID | Temperature (°C) | Temp Bottle (TB) or Surface Temp (ST) | Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP) | Ice Present? Y/N | Loose (L) Bagged Ice (B) or NA | Comments |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |

**Number of Trip Blanks received NOT listed on chain of custody:** Ø

**Paperwork Discrepancy/Unpacking Problems:**

+ Bag of Rods

**Unpacker Signature/Emp#:** Vanessa /208 **Date/Time:** 12/2/11 /1020

Issued by Dept. 6042 Management

2174.06

# Explanation of Symbols and Abbreviations

*The following defines common symbols and abbreviations used in reporting technical data:*

| | | | |
|---|---|---|---|
| **RL** | Reporting Limit | **BMQL** | Below Minimum Quantitation Level |
| **N.D.** | none detected | **MPN** | Most Probable Number |
| **TNTC** | Too Numerous To Count | **CP Units** | cobalt-chloroplatinate units |
| **IU** | International Units | **NTU** | nephelometric turbidity units |
| **umhos/cm** | micromhos/cm | **ng** | nanogram(s) |
| **C** | degrees Celsius | **F** | degrees Fahrenheit |
| **meq** | milliequivalents | **lb.** | pound(s) |
| **g** | gram(s) | **kg** | kilogram(s) |
| **ug** | microgram(s) | **mg** | milligram(s) |
| **ml** | milliliter(s) | **l** | liter(s) |
| **m3** | cubic meter(s) | **ul** | microliter(s) |

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**J** estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

*U.S. EPA CLP Data Qualifiers:*

**Organic Qualifiers**

| | |
|---|---|
| **A** | TIC is a possible aldol-condensation product |
| **B** | Analyte was also detected in the blank |
| **C** | Pesticide result confirmed by GC/MS |
| **D** | Compound quantitated on a diluted sample |
| **E** | Concentration exceeds the calibration range of the instrument |
| **N** | Presumptive evidence of a compound (TICs only) |
| **P** | Concentration difference between primary and confirmation columns >25% |
| **U** | Compound was not detected |
| **X,Y,Z** | Defined in case narrative |

**Inorganic Qualifiers**

| | |
|---|---|
| **B** | Value is <CRDL, but ≥IDL |
| **E** | Estimated due to interference |
| **M** | Duplicate injection precision not met |
| **N** | Spike sample not within control limits |
| **S** | Method of standard additions (MSA) used for calculation |
| **U** | Compound was not detected |
| **W** | Post digestion spike out of control limits |
| ***** | Duplicate analysis not within control limits |
| **+** | Correlation coefficient for MSA <0.995 |

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

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# Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

January 13, 2012

Project: Avery Dennison / Flowery Branch, GA

Submittal Date: 01/03/2012
Group Number: 1283295
PO Number: 1-0145-4
State of Sample Origin: GA

| Client Sample Description | Lancaster Labs (LLI) # |
|---|---|
| SVE 6 Summa #851 Air | 6512682 |
| SVE 4 Summa #1029 Air | 6512683 |
| MP 11 Summa #1082 Air | 6512684 |
| MP 10 Summa #505 Air | 6512685 |
| MP 9 Summa #539 Air | 6512686 |
| MP 03 Summa #324 Air | 6512687 |
| MP 04 Summa #32 Air | 6512688 |
| MP 07 Summa #895 Air | 6512689 |
| SVE 1 Summa #21 Air | 6512690 |
| VW 5 Summa #528 Air | 6512691 |
| VW 6 Summa #530 Air | 6512692 |
| MW 65S Summa #154 Air | 6512693 |
| Blower Summa #837 Air | 6512694 |
| SVE 2 Summa #178 Air | 6512695 |
| Undiluted Summa #420 Air | 6512696 |
| SVE 5 Summa #526 Air | 6512697 |
| MP 08 Summa #544 Air | 6512698 |
| MW 64 Summa #101 Air | 6512699 |
| MP 02 Summa #97 Air | 6512700 |
| MP 06 Summa #848 Air | 6512701 |
| MP 05 Summa #140 Air | 6512702 |
| SVE 3 Summa #1036 Air | 6512703 |

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

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# Analysis Report

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ELECTRONIC COPY TO The Johnson Company, Inc. Attn: Todd Hall

Questions? Contact your Client Services Representative
Wendy A Kozma at (717) 656-2300 Ext. 1522

Respectfully Submitted,



Michele J. Smith
Senior Specialist

eurofins | Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

# Analysis Report



**Sample Description: SVE 6 Summa #851 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6512682**
**LLI Group # 1283295**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 12/29/2011 13:09 by CBJ

Submitted: 01/03/2012 09:40
Reported: 01/13/2012 19:05

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

851--

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 15 | | 0.50 | 35 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | 1.6 | | 0.20 | 5.2 | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 4.3 | | 0.50 | 13 | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 1.5 | | 0.50 | 4.6 | | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 0.92 | J | 0.20 | 3.2 | J | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | 0.49 | J | 0.20 | 2.4 | J | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 0.20 | N.D. | | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 16 | | 0.20 | 79 | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | 0.25 | J | 0.20 | 1.5 | J | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | 0.25 | J | 0.20 | 1.5 | J | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.63 | J | 0.20 | 3.1 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 29 | | 0.20 | 120 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 1.8 | | 0.20 | 7.4 | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 650 | | 4.0 | 2,600 | | 16 | 20 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 0.86 | J | 0.20 | 3.0 | J | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | N.D. | | 0.20 | N.D. | | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 0.87 | J | 0.20 | 5.9 | J | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 15 | | 0.20 | 58 | | 0.75 | 1 |

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# Analysis Report



**Sample Description: SVE 6 Summa #851 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6512682**
**LLI Group # 1283295**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 12/29/2011 13:09 by CBJ

Submitted: 01/03/2012 09:40
Reported: 01/13/2012 19:05

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

851--

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 91 | | 4.0 | 500 | | 22 | 20 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | 1.2 | | 0.20 | 6.7 | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | 0.36 | J | 0.20 | 1.9 | J | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 3.2 | | 0.20 | 18 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 0.28 | J | 0.20 | 1.4 | J | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | 0.47 | J | 0.20 | 1.2 | J | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 0.30 | J | 0.20 | 1.3 | J | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1201030AB | 01/11/2012 04:57 | Florida A Cimino | 1 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1201030AC | 01/11/2012 22:35 | Michael A Ziegler | 20 |

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# Analysis Report



**Sample Description: SVE 4 Summa #1029 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6512683**
**LLI Group # 1283295**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 12/29/2011 12:47 by CBJ

Submitted: 01/03/2012 09:40
Reported: 01/13/2012 19:05

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

1029-

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 5.8 | | 0.50 | 14 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | 0.20 | J | 0.20 | 0.64 | J | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 1.0 | J | 0.50 | 3.0 | J | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 0.50 | N.D. | | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 0.48 | J | 0.20 | 1.7 | J | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | 1.4 | | 0.20 | 6.6 | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 0.20 | N.D. | | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 0.87 | J | 0.20 | 4.3 | J | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | 0.28 | J | 0.20 | 1.7 | J | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | 0.23 | J | 0.20 | 1.4 | J | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | 0.38 | J | 0.20 | 2.3 | J | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.55 | J | 0.20 | 2.7 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 2.7 | | 0.20 | 11 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 1.3 | | 0.20 | 5.2 | | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 0.28 | J | 0.20 | 1.2 | J | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 0.20 | N.D. | | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 1.2 | | 0.20 | 3.5 | | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 0.47 | J | 0.20 | 3.2 | J | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | N.D. | | 0.20 | N.D. | | 0.75 | 1 |

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# Analysis Report



**Sample Description: SVE 4 Summa #1029 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6512683**
**LLI Group # 1283295**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 12/29/2011 12:47 by CBJ

Submitted: 01/03/2012 09:40
Reported: 01/13/2012 19:05

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

1029-

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 4.5 | | 0.20 | 24 | | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 2.0 | | 0.20 | 11 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 0.21 | J | 0.20 | 1.0 | J | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 0.70 | J | 0.20 | 3.1 | J | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 0.41 | J | 0.20 | 1.8 | J | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1201030AB | 01/11/2012 15:14 | Florida A Cimino | 1 |

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# Analysis Report



**Sample Description: MP 11 Summa #1082 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6512684**
**LLI Group # 1283295**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 12/29/2011 12:41 by CBJ

Submitted: 01/03/2012 09:40
Reported: 01/13/2012 19:05

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

1082-

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 180 | | 5.0 | 430 | | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | 140 | | 5.0 | 400 | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 5.0 | N.D. | | 16 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | 3.8 | J | 2.0 | 19 | J | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 120 | | 2.0 | 480 | | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 6,500 | | 100 | 26,000 | | 400 | 500 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 2.0 | N.D. | | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | 14 | | 2.0 | 41 | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | 2.1 | J | 2.0 | 14 | J | 14 | 10 |
| 05298 | Toluene | 108-88-3 | N.D. | | 2.0 | N.D. | | 7.5 | 10 |

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# Analysis Report



**Sample Description: MP 11 Summa #1082 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6512684**
**LLI Group # 1283295**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 12/29/2011 12:41 by CBJ

Submitted: 01/03/2012 09:40
Reported: 01/13/2012 19:05

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

1082-

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 1,100 | 100 | 6,100 | 550 | 500 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 2.0 | N.D. | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | 11 | 2.0 | 27 | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 2.0 | N.D. | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 2.0 | N.D. | 8.7 | 10 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1201030AB | 01/11/2012 06:25 | Florida A Cimino | 10 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1201030AC | 01/11/2012 23:19 | Michael A Ziegler | 500 |

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# Analysis Report



**Sample Description: MP 10 Summa #505 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6512685**
**LLI Group # 1283295**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 12/29/2011 12:45 by CBJ

Submitted: 01/03/2012 09:40
Reported: 01/13/2012 19:05

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

505--

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 26 | | 0.50 | 62 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | N.D. | | 0.20 | N.D. | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 13 | | 0.50 | 38 | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 1.1 | | 0.50 | 3.6 | | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 0.20 | N.D. | | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | 1.1 | | 0.20 | 5.5 | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 0.20 | N.D. | | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 2.0 | | 0.20 | 9.8 | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | 0.25 | J | 0.20 | 1.5 | J | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | 0.34 | J | 0.20 | 2.1 | J | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | 0.29 | J | 0.20 | 1.8 | J | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.58 | J | 0.20 | 2.9 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 8.1 | | 0.20 | 33 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 13 | | 0.20 | 51 | | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 0.22 | J | 0.20 | 0.98 | J | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | 0.83 | J | 0.50 | 3.4 | J | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 0.30 | J | 0.20 | 1.0 | J | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.66 | J | 0.20 | 2.0 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 0.43 | J | 0.20 | 1.6 | J | 0.75 | 1 |

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# Analysis Report



**Sample Description: MP 10 Summa #505 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6512685**
**LLI Group # 1283295**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 12/29/2011 12:45 by CBJ

Submitted: 01/03/2012 09:40
Reported: 01/13/2012 19:05

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

505--

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 24 | | 0.20 | 130 | | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 0.33 | J | 0.20 | 1.9 | J | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 0.27 | J | 0.20 | 1.3 | J | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 0.55 | J | 0.20 | 2.4 | J | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 0.30 | J | 0.20 | 1.3 | J | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1201030AB | 01/11/2012 16:07 | Florida A Cimino | 1 |

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# Analysis Report



**Sample Description: MP 9 Summa #539 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6512686**
**LLI Group # 1283295**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 12/29/2011 12:32 by CBJ

Submitted: 01/03/2012 09:40
Reported: 01/13/2012 19:05

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

539--

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 38 | | 0.50 | 90 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | 0.20 | J | 0.20 | 0.64 | J | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 17 | | 0.50 | 51 | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 0.50 | N.D. | | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 0.25 | J | 0.20 | 0.90 | J | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | 0.32 | J | 0.20 | 1.5 | J | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 0.69 | J | 0.20 | 1.4 | J | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 1.4 | | 0.20 | 7.0 | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.59 | J | 0.20 | 2.9 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 20 | | 0.20 | 80 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 0.41 | J | 0.20 | 1.6 | J | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 540 | | 4.0 | 2,100 | | 16 | 20 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | 0.75 | J | 0.50 | 5.7 | J | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | 0.94 | J | 0.50 | 3.8 | J | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 0.62 | J | 0.20 | 2.2 | J | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.40 | J | 0.20 | 1.2 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 0.58 | J | 0.20 | 4.0 | J | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 0.50 | J | 0.20 | 1.9 | J | 0.75 | 1 |

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# Analysis Report



**Sample Description: MP 9 Summa #539 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6512686**
**LLI Group # 1283295**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 12/29/2011 12:32 by CBJ

Submitted: 01/03/2012 09:40
Reported: 01/13/2012 19:05

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

539--

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 180 | | 4.0 | 1,000 | | 22 | 20 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | 0.33 | J | 0.20 | 1.8 | J | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 0.29 | J | 0.20 | 1.6 | J | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 0.24 | J | 0.20 | 1.2 | J | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | 0.83 | J | 0.20 | 2.1 | J | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 0.53 | J | 0.20 | 2.3 | J | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 0.25 | J | 0.20 | 1.1 | J | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1201030AB | 01/11/2012 07:57 | Florida A Cimino | 1 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1201030AC | 01/12/2012 00:04 | Michael A Ziegler | 20 |

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# Analysis Report



**Sample Description: MP 03 Summa #324 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6512687**
**LLI Group # 1283295**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 12/29/2011 13:11 by CBJ

Submitted: 01/03/2012 09:40
Reported: 01/13/2012 19:05

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

324--

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 43 | | 0.50 | 100 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | 1.7 | | 0.20 | 5.5 | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 2.0 | J | 0.50 | 5.8 | J | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 1.7 | | 0.50 | 5.3 | | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 1.3 | | 0.20 | 4.6 | | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | 1.3 | | 0.20 | 6.4 | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 1.2 | | 0.20 | 2.4 | | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.98 | J | 0.20 | 4.8 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 16 | | 0.20 | 65 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 0.58 | J | 0.20 | 2.4 | J | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 630 | | 4.0 | 2,500 | | 16 | 20 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 0.45 | J | 0.20 | 2.0 | J | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | 0.85 | J | 0.20 | 3.5 | J | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | 61 | | 0.20 | 210 | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | 0.28 | J | 0.20 | 1.3 | J | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 53 | | 0.20 | 180 | | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 50 | | 0.20 | 150 | | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 2.5 | | 0.20 | 17 | | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 44 | | 0.20 | 170 | | 0.75 | 1 |

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# Analysis Report



**Sample Description: MP 03 Summa #324 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6512687**
**LLI Group # 1283295**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 12/29/2011 13:11 by CBJ

Submitted: 01/03/2012 09:40
Reported: 01/13/2012 19:05

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

324--

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 74 | | 0.20 | 400 | | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | 0.30 | J | 0.20 | 1.6 | J | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | 0.26 | J | 0.20 | 1.4 | J | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 1.8 | | 0.20 | 10 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 0.25 | J | 0.20 | 1.2 | J | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | 0.64 | J | 0.20 | 1.6 | J | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 2.0 | | 0.20 | 8.9 | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 0.92 | J | 0.20 | 4.0 | J | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1201030AB | 01/11/2012 08:44 | Florida A Cimino | 1 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1201030AC | 01/12/2012 00:48 | Michael A Ziegler | 20 |

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# Analysis Report



**Sample Description: MP 04 Summa #32 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6512688**
**LLI Group # 1283295**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 12/29/2011 13:15 by CBJ

Submitted: 01/03/2012 09:40
Reported: 01/13/2012 19:05

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

32---

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 6.9 | | 0.50 | 16 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | N.D. | | 0.20 | N.D. | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | 0.43 | J | 0.20 | 1.7 | J | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 1.4 | J | 0.50 | 4.2 | J | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 0.59 | J | 0.50 | 1.9 | J | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 0.58 | J | 0.20 | 2.1 | J | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 0.20 | N.D. | | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 0.96 | J | 0.20 | 4.7 | J | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.58 | J | 0.20 | 2.9 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 0.67 | J | 0.20 | 2.7 | J | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 6.8 | | 0.20 | 27 | | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 0.25 | J | 0.20 | 0.87 | J | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.39 | J | 0.20 | 1.1 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | N.D. | | 0.20 | N.D. | | 0.75 | 1 |

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# Analysis Report



**Sample Description: MP 04 Summa #32 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6512688**
**LLI Group # 1283295**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 12/29/2011 13:15 by CBJ

Submitted: 01/03/2012 09:40
Reported: 01/13/2012 19:05

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

32---

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 0.22 J | 0.20 | 1.2 J | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 0.20 | N.D. | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 0.20 | N.D. | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 2.4 | 0.20 | 13 | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 0.20 | N.D. | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 0.20 | N.D. | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 0.20 | N.D. | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 0.20 | N.D. | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 0.20 | N.D. | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 0.20 | N.D. | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1201030AB | 01/11/2012 09:31 | Florida A Cimino | 1 |

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# Analysis Report



**Sample Description: MP 07 Summa #895 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6512689**
**LLI Group # 1283295**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 12/29/2011 13:06 by CBJ

Submitted: 01/03/2012 09:40
Reported: 01/13/2012 19:05

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

895--

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 3.3 | | 0.50 | 7.8 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | 0.39 | J | 0.20 | 1.3 | J | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 0.50 | N.D. | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 0.50 | N.D. | | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 0.57 | J | 0.20 | 2.0 | J | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 0.69 | J | 0.20 | 1.4 | J | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 1.0 | | 0.20 | 5.0 | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.58 | J | 0.20 | 2.9 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 15 | | 0.20 | 62 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 0.92 | J | 0.20 | 3.7 | J | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 1,400 | | 4.0 | 5,500 | | 16 | 20 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 0.72 | J | 0.20 | 3.1 | J | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 2.6 | | 0.20 | 9.0 | | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.31 | J | 0.20 | 0.93 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 0.52 | J | 0.20 | 3.5 | J | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 110 | | 4.0 | 400 | | 15 | 20 |

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# Analysis Report



**Sample Description: MP 07 Summa #895 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6512689**
**LLI Group # 1283295**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 12/29/2011 13:06 by CBJ

Submitted: 01/03/2012 09:40
Reported: 01/13/2012 19:05

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

895--

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 520 | | 4.0 | 2,800 | | 22 | 20 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | 0.21 | J | 0.20 | 1.1 | J | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | 0.66 | J | 0.20 | 3.6 | J | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 2.0 | | 0.20 | 11 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | 0.27 | J | 0.20 | 0.69 | J | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 4.0 | | 0.20 | 18 | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 1.2 | | 0.20 | 5.0 | | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1201030AB | 01/11/2012 10:19 | Florida A Cimino | 1 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1201030AC | 01/12/2012 01:33 | Michael A Ziegler | 20 |

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# Analysis Report



**Sample Description: SVE 1 Summa #21 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6512690**
**LLI Group # 1283295**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 12/29/2011 12:52 by CBJ

Submitted: 01/03/2012 09:40
Reported: 01/13/2012 19:05

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

21---

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 1,600 | | 50 | 3,700 | | 120 | 100 |
| 05298 | Benzene | 71-43-2 | N.D. | | 20 | N.D. | | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 50 | N.D. | | 110 | 100 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 50 | N.D. | | 150 | 100 |
| 05298 | Carbon Disulfide | 75-15-0 | 480 | | 50 | 1,500 | | 160 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 73 | J | 20 | 260 | J | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 20 | N.D. | | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 20 | N.D. | | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 20 | N.D. | | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 300 | | 20 | 1,200 | | 81 | 100 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 20 | N.D. | | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 16,000 | | 600 | 64,000 | | 2,400 | 3000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | 38 | J | 20 | 160 | J | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | N.D. | | 20 | N.D. | | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | 68 | J | 20 | 240 | J | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 210 | | 20 | 750 | | 69 | 100 |
| 05298 | Octane | 111-65-9 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Pentane | 109-66-0 | 120 | | 20 | 350 | | 59 | 100 |
| 05298 | Styrene | 100-42-5 | 120 | | 20 | 490 | | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Toluene | 108-88-3 | 8,800 | | 20 | 33,000 | | 75 | 100 |

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# Analysis Report



**Sample Description: SVE 1 Summa #21 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6512690**
**LLI Group # 1283295**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 12/29/2011 12:52 by CBJ

Submitted: 01/03/2012 09:40
Reported: 01/13/2012 19:05

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

21---

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 26,000 | | 600 | 140,000 | | 3,300 | 3000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | 31 | J | 20 | 78 | J | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | 110 | | 20 | 490 | | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | 56 | J | 20 | 240 | J | 87 | 100 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1201030AC | 01/12/2012 02:23 | Michael A Ziegler | 100 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1201030AC | 01/12/2012 09:22 | Michael A Ziegler | 3000 |

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# Analysis Report



**Sample Description: VW 5 Summa #528 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6512691**
**LLI Group # 1283295**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 12/29/2011 13:05 by CBJ

Submitted: 01/03/2012 09:40
Reported: 01/13/2012 19:05

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

-528-

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 1,300 | | 50 | 3,200 | | 120 | 100 |
| 05298 | Benzene | 71-43-2 | N.D. | | 20 | N.D. | | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 50 | N.D. | | 110 | 100 |
| 05298 | 2-Butanone | 78-93-3 | 260 | | 50 | 770 | | 150 | 100 |
| 05298 | Carbon Disulfide | 75-15-0 | 280 | | 50 | 870 | | 160 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 110 | | 20 | 380 | | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 20 | N.D. | | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 20 | N.D. | | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 20 | N.D. | | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 960 | | 20 | 3,900 | | 81 | 100 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 20 | N.D. | | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 93,000 | | 2,000 | 370,000 | | 7,900 | 10000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 20 | N.D. | | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | N.D. | | 20 | N.D. | | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | 220 | | 20 | 770 | | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 140 | | 20 | 500 | | 69 | 100 |
| 05298 | Octane | 111-65-9 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Pentane | 109-66-0 | 160 | | 20 | 460 | | 59 | 100 |
| 05298 | Styrene | 100-42-5 | 45 | J | 20 | 190 | J | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | 25 | J | 20 | 170 | J | 140 | 100 |
| 05298 | Toluene | 108-88-3 | 150 | | 20 | 570 | | 75 | 100 |

**Sample Description: VW 5 Summa #528 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6512691**
**LLI Group # 1283295**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 12/29/2011 13:05 by CBJ

Submitted: 01/03/2012 09:40
Reported: 01/13/2012 19:05

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

-528-

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 14,000 | | 2,000 | 76,000 | | 11,000 | 10000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | 58 | J | 20 | 310 | J | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 20 | N.D. | | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | 23 | J | 20 | 99 | J | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 20 | N.D. | | 87 | 100 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1201030AC | 01/12/2012 03:11 | Michael A Ziegler | 100 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1201030AC | 01/12/2012 11:39 | Michael A Ziegler | 10000 |

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# Analysis Report



**Sample Description: VW 6 Summa #530 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6512692**
**LLI Group # 1283295**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 12/29/2011 13:14 by CBJ

Submitted: 01/03/2012 09:40
Reported: 01/13/2012 19:05

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

-530-

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 19 | J | 5.0 | 45 | J | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | 7.8 | J | 5.0 | 23 | J | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 5.0 | N.D. | | 16 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 94 | | 2.0 | 380 | | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 4,100 | | 200 | 16,000 | | 790 | 1000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | 7.8 | J | 2.0 | 27 | J | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | 3.4 | J | 2.0 | 23 | J | 14 | 10 |
| 05298 | Toluene | 108-88-3 | N.D. | | 2.0 | N.D. | | 7.5 | 10 |

**Sample Description: VW 6 Summa #530 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6512692**
**LLI Group # 1283295**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 12/29/2011 13:14 by CBJ

Submitted: 01/03/2012 09:40
Reported: 01/13/2012 19:05

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

-530-

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 53 | | 2.0 | 290 | | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | 2.5 | J | 2.0 | 13 | J | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 2.7 | J | 2.0 | 15 | J | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | 2.4 | J | 2.0 | 6.0 | J | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1201030AC | 01/12/2012 03:56 | Michael A Ziegler | 10 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1201030AC | 01/12/2012 12:24 | Michael A Ziegler | 1000 |

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# Analysis Report



**Sample Description: MW 65S Summa #154 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6512693**
**LLI Group # 1283295**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 12/29/2011 13:03 by CBJ

Submitted: 01/03/2012 09:40
Reported: 01/13/2012 19:05

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

-154-

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 1,500 | | 50 | 3,600 | | 120 | 100 |
| 05298 | Benzene | 71-43-2 | 21 | J | 20 | 66 | J | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 50 | N.D. | | 110 | 100 |
| 05298 | 2-Butanone | 78-93-3 | 340 | | 50 | 1,000 | | 150 | 100 |
| 05298 | Carbon Disulfide | 75-15-0 | 250 | | 50 | 780 | | 160 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 20 | N.D. | | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 20 | N.D. | | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 20 | N.D. | | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 20 | N.D. | | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 2,200 | | 20 | 9,000 | | 81 | 100 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 25 | J | 20 | 100 | J | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 590,000 | | 2,000 | 2,300,000 | | 7,900 | 10000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 20 | N.D. | | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | N.D. | | 20 | N.D. | | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | 150 | | 20 | 520 | | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 260 | | 20 | 890 | | 69 | 100 |
| 05298 | Octane | 111-65-9 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Pentane | 109-66-0 | 120 | | 20 | 360 | | 59 | 100 |
| 05298 | Styrene | 100-42-5 | 46 | J | 20 | 200 | J | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | 61 | J | 20 | 420 | J | 140 | 100 |
| 05298 | Toluene | 108-88-3 | 240 | | 20 | 920 | | 75 | 100 |

**Sample Description: MW 65S Summa #154 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6512693**
**LLI Group # 1283295**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 12/29/2011 13:03 by CBJ

Submitted: 01/03/2012 09:40
Reported: 01/13/2012 19:05

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

-154-

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 18,000 | | 2,000 | 98,000 | | 11,000 | 10000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | 110 | | 20 | 600 | | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 23 | J | 20 | 130 | J | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | 200 | | 20 | 500 | | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | 28 | J | 20 | 120 | J | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 20 | N.D. | | 87 | 100 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1201030AC | 01/12/2012 04:44 | Michael A Ziegler | 100 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1201030AC | 01/12/2012 13:12 | Michael A Ziegler | 10000 |

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# Analysis Report



**Sample Description: Blower Summa #837 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6512694**
**LLI Group # 1283295**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 12/29/2011 12:40 by CBJ

Submitted: 01/03/2012 09:40
Reported: 01/13/2012 19:05

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

-837-

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 6.4 | J | 5.0 | 15 | J | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 5.0 | N.D. | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 5.0 | N.D. | | 16 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 4.6 | J | 2.0 | 18 | J | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 430 | | 2.0 | 1,700 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | 2.7 | J | 2.0 | 9.4 | J | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Toluene | 108-88-3 | 26 | | 2.0 | 99 | | 7.5 | 10 |

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# Analysis Report



**Sample Description: Blower Summa #837 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6512694**
**LLI Group # 1283295**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 12/29/2011 12:40 by CBJ

Submitted: 01/03/2012 09:40
Reported: 01/13/2012 19:05

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

-837-

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 160 | 2.0 | 870 | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 2.0 | N.D. | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 2.0 | N.D. | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 2.0 | N.D. | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 2.0 | N.D. | 8.7 | 10 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1201030AC | 01/12/2012 10:52 | Michael A Ziegler | 10 |

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# Analysis Report



**Sample Description: SVE 2 Summa #178 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6512695**
**LLI Group # 1283295**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 12/29/2011 12:51 by CBJ

Submitted: 01/03/2012 09:40
Reported: 01/13/2012 19:05

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

-178-

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 1,100 | | 50 | 2,600 | | 120 | 100 |
| 05298 | Benzene | 71-43-2 | N.D. | | 20 | N.D. | | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 50 | N.D. | | 110 | 100 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 50 | N.D. | | 150 | 100 |
| 05298 | Carbon Disulfide | 75-15-0 | 330 | | 50 | 1,000 | | 160 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 94 | J | 20 | 330 | J | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 20 | N.D. | | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 20 | N.D. | | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 20 | N.D. | | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 390 | | 20 | 1,600 | | 81 | 100 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 20 | N.D. | | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 13,000 | | 200 | 53,000 | | 790 | 1000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | 29 | J | 20 | 130 | J | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | N.D. | | 20 | N.D. | | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | 160 | | 20 | 570 | | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 190 | | 20 | 650 | | 69 | 100 |
| 05298 | Octane | 111-65-9 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Pentane | 109-66-0 | 150 | | 20 | 430 | | 59 | 100 |
| 05298 | Styrene | 100-42-5 | 53 | J | 20 | 230 | J | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Toluene | 108-88-3 | 8,000 | | 20 | 30,000 | | 75 | 100 |

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# Analysis Report



**Sample Description: SVE 2 Summa #178 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6512695**
**LLI Group # 1283295**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 12/29/2011 12:51 by CBJ

Submitted: 01/03/2012 09:40
Reported: 01/13/2012 19:05

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

-178-

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 6,100 | | 20 | 33,000 | | 110 | 100 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 20 | N.D. | | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | 96 | J | 20 | 420 | J | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | 36 | J | 20 | 160 | J | 87 | 100 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1201030AC | 01/12/2012 06:16 | Michael A Ziegler | 100 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1201030AC | 01/12/2012 15:51 | Michael A Ziegler | 1000 |

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# Analysis Report



**Sample Description: Undiluted Summa #420 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6512696**
**LLI Group # 1283295**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 12/29/2011 12:37 by CBJ

Submitted: 01/03/2012 09:40
Reported: 01/13/2012 19:05

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

-420-

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 6.5 | | 0.50 | 15 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | 0.21 | J | 0.20 | 0.68 | J | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 1.4 | J | 0.50 | 4.2 | J | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 0.60 | J | 0.20 | 1.9 | J | 0.62 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 0.49 | J | 0.20 | 1.7 | J | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 0.45 | J | 0.20 | 0.93 | J | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 1.0 | | 0.20 | 5.1 | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.43 | J | 0.20 | 2.1 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 8.4 | | 0.20 | 34 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 0.37 | J | 0.20 | 1.5 | J | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 670 | | 2.0 | 2,600 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 0.39 | J | 0.20 | 1.7 | J | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 0.94 | J | 0.20 | 3.3 | J | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.40 | J | 0.20 | 1.2 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 0.60 | J | 0.20 | 4.0 | J | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 81 | | 2.0 | 310 | | 7.5 | 10 |

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# Analysis Report



**Sample Description: Undiluted Summa #420 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6512696**
**LLI Group # 1283295**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 12/29/2011 12:37 by CBJ

Submitted: 01/03/2012 09:40
Reported: 01/13/2012 19:05

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

-420-

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 380 | | 2.0 | 2,100 | | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | 0.31 | J | 0.20 | 1.7 | J | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 1.6 | | 0.20 | 9.2 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | 0.20 | J | 0.20 | 0.52 | J | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 1.7 | | 0.20 | 7.4 | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 0.74 | J | 0.20 | 3.2 | J | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1201130AA | 01/11/2012 22:57 | Michael A Ziegler | 1 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1201130AA | 01/12/2012 04:50 | Michael A Ziegler | 10 |

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# Analysis Report



**Sample Description: SVE 5 Summa #526 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6512697**
**LLI Group # 1283295**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 12/29/2011 13:10 by CBJ

Submitted: 01/03/2012 09:40
Reported: 01/13/2012 19:05

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

-526-

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 6.3 | | 0.50 | 15 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | 0.29 | J | 0.20 | 0.92 | J | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 0.82 | J | 0.50 | 2.4 | J | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 1.2 | | 0.20 | 3.7 | | 0.62 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 0.71 | J | 0.20 | 2.5 | J | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | 0.70 | J | 0.20 | 3.4 | J | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 0.20 | N.D. | | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 1.4 | | 0.20 | 6.8 | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | 0.23 | J | 0.20 | 1.4 | J | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.44 | J | 0.20 | 2.2 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 21 | | 0.20 | 83 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 0.97 | J | 0.20 | 3.9 | J | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 700 | | 2.0 | 2,800 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 0.28 | J | 0.20 | 1.2 | J | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 0.61 | J | 0.20 | 2.1 | J | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.66 | J | 0.20 | 1.9 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 1.5 | | 0.20 | 10 | | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 24 | | 0.20 | 92 | | 0.75 | 1 |

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# Analysis Report



**Sample Description: SVE 5 Summa #526 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6512697**
**LLI Group # 1283295**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 12/29/2011 13:10 by CBJ

Submitted: 01/03/2012 09:40
Reported: 01/13/2012 19:05

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

-526-

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 72 | | 0.20 | 390 | | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | 0.50 | J | 0.20 | 2.7 | J | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | 0.36 | J | 0.20 | 2.0 | J | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 1.6 | | 0.20 | 9.2 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | 0.78 | J | 0.20 | 2.0 | J | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 1.1 | | 0.20 | 4.9 | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 0.61 | J | 0.20 | 2.7 | J | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1201130AA | 01/11/2012 23:42 | Michael A Ziegler | 1 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1201130AA | 01/12/2012 05:34 | Michael A Ziegler | 10 |

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# Analysis Report



**Sample Description: MP 08 Summa #544 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6512698**
**LLI Group # 1283295**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 12/29/2011 13:04 by CBJ

Submitted: 01/03/2012 09:40
Reported: 01/13/2012 19:05

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

-544-

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 5.7 | | 0.50 | 13 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | N.D. | | 0.20 | N.D. | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 0.95 | J | 0.50 | 2.8 | J | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 0.36 | J | 0.20 | 1.1 | J | 0.62 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 0.43 | J | 0.20 | 1.5 | J | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 0.36 | J | 0.20 | 0.73 | J | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 4.1 | | 0.20 | 20 | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.45 | J | 0.20 | 2.2 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 2.3 | | 0.20 | 9.4 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 0.24 | J | 0.20 | 0.98 | J | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 1,300 | | 4.0 | 5,000 | | 16 | 20 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 1.4 | | 0.20 | 4.9 | | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.24 | J | 0.20 | 0.70 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 0.27 | J | 0.20 | 1.8 | J | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 1.3 | | 0.20 | 5.0 | | 0.75 | 1 |

**Sample Description: MP 08 Summa #544 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6512698**
**LLI Group # 1283295**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 12/29/2011 13:04 by CBJ

Submitted: 01/03/2012 09:40
Reported: 01/13/2012 19:05

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

-544-

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 180 | | 4.0 | 980 | | 22 | 20 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | 0.42 | J | 0.20 | 2.3 | J | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 1.6 | | 0.20 | 9.2 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1201130AA | 01/12/2012 00:28 | Michael A Ziegler | 1 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1201130AA | 01/12/2012 06:17 | Michael A Ziegler | 20 |

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# Analysis Report



**Sample Description: MW 64 Summa #101 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6512699**
**LLI Group # 1283295**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 12/29/2011 13:01 by CBJ

Submitted: 01/03/2012 09:40
Reported: 01/13/2012 19:05

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

-101-

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 920 | J | 500 | 2,200 | J | 1,200 | 1000 |
| 05298 | Benzene | 71-43-2 | N.D. | | 200 | N.D. | | 640 | 1000 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 200 | N.D. | | 2,100 | 1000 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 200 | N.D. | | 780 | 1000 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 500 | N.D. | | 1,100 | 1000 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 500 | N.D. | | 1,500 | 1000 |
| 05298 | Carbon Disulfide | 75-15-0 | 230 | J | 200 | 700 | J | 620 | 1000 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 200 | N.D. | | 710 | 1000 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 200 | N.D. | | 530 | 1000 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 200 | N.D. | | 410 | 1000 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 200 | N.D. | | 630 | 1000 |
| 05298 | Cumene | 98-82-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 200 | N.D. | | 1,700 | 1000 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 200 | N.D. | | 1,500 | 1000 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 200 | N.D. | | 990 | 1000 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 13,000 | | 200 | 52,000 | | 810 | 1000 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 200 | N.D. | | 810 | 1000 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 920,000 | | 2,000 | 3,600,000 | | 7,900 | 10000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 200 | N.D. | | 840 | 1000 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 200 | N.D. | | 870 | 1000 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 500 | N.D. | | 3,800 | 1000 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Heptane | 142-82-5 | N.D. | | 200 | N.D. | | 820 | 1000 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 200 | N.D. | | 1,900 | 1000 |
| 05298 | Hexane | 110-54-3 | N.D. | | 200 | N.D. | | 700 | 1000 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 200 | N.D. | | 720 | 1000 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Methylene Chloride | 75-09-2 | 920 | J | 200 | 3,200 | J | 690 | 1000 |
| 05298 | Octane | 111-65-9 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Pentane | 109-66-0 | N.D. | | 200 | N.D. | | 590 | 1000 |
| 05298 | Styrene | 100-42-5 | N.D. | | 200 | N.D. | | 850 | 1000 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Tetrachloroethene | 127-18-4 | 400 | J | 200 | 2,700 | J | 1,400 | 1000 |
| 05298 | Toluene | 108-88-3 | 15,000 | | 200 | 58,000 | | 750 | 1000 |

**Sample Description: MW 64 Summa #101 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6512699**
**LLI Group # 1283295**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 12/29/2011 13:01 by CBJ

Submitted: 01/03/2012 09:40
Reported: 01/13/2012 19:05

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

-101-

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 240,000 | | 2,000 | 1,300,000 | | 11,000 | 10000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 200 | N.D. | | 1,100 | 1000 |
| 05298 | Trichloroethene | 79-01-6 | 520 | J | 200 | 2,800 | J | 1,100 | 1000 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 200 | N.D. | | 1,100 | 1000 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Vinyl Chloride | 75-01-4 | 220 | J | 200 | 550 | J | 510 | 1000 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 200 | N.D. | | 870 | 1000 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 200 | N.D. | | 870 | 1000 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1201130AA | 01/12/2012 01:12 | Michael A Ziegler | 1000 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1201130AA | 01/12/2012 07:01 | Michael A Ziegler | 10000 |

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# Analysis Report



**Sample Description: MP 02 Summa #97 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6512700**
**LLI Group # 1283295**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 12/29/2011 12:44 by CBJ

Submitted: 01/03/2012 09:40
Reported: 01/13/2012 19:05

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

-97--

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 350 | | 5.0 | 840 | | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | 360 | | 5.0 | 1,100 | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | 10 | J | 2.0 | 31 | J | 6.2 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | 2.6 | J | 2.0 | 6.8 | J | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | 5.0 | J | 2.0 | 25 | J | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 160 | | 2.0 | 660 | | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 3,700 | | 100 | 15,000 | | 400 | 500 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | 2.0 | J | 2.0 | 7.0 | J | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | 5.3 | J | 2.0 | 16 | J | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | 4.1 | J | 2.0 | 28 | J | 14 | 10 |
| 05298 | Toluene | 108-88-3 | N.D. | | 2.0 | N.D. | | 7.5 | 10 |

**Sample Description: MP 02 Summa #97 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6512700**
**LLI Group # 1283295**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 12/29/2011 12:44 by CBJ

Submitted: 01/03/2012 09:40
Reported: 01/13/2012 19:05

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

-97--

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 1,100 | | 100 | 5,800 | | 550 | 500 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | 2.8 | J | 2.0 | 15 | J | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | 19 | | 2.0 | 48 | | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1201130AA | 01/12/2012 01:55 | Michael A Ziegler | 10 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1201130AA | 01/12/2012 10:29 | Jeffrey B Smith | 500 |

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# Analysis Report



**Sample Description: MP 06 Summa #848 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6512701**
**LLI Group # 1283295**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 12/29/2011 13:08 by CBJ

Submitted: 01/03/2012 09:40
Reported: 01/13/2012 19:05

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

-848-

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 3.6 | | 0.50 | 8.5 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | N.D. | | 0.20 | N.D. | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 0.62 | J | 0.50 | 1.8 | J | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 0.20 | N.D. | | 0.62 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 0.48 | J | 0.20 | 1.7 | J | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 0.43 | J | 0.20 | 0.90 | J | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 0.79 | J | 0.20 | 3.9 | J | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.48 | J | 0.20 | 2.4 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 1.4 | | 0.20 | 5.6 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 49 | | 0.20 | 190 | | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 0.20 | N.D. | | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.21 | J | 0.20 | 0.62 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 2.0 | | 0.20 | 7.4 | | 0.75 | 1 |

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# Analysis Report



**Sample Description: MP 06 Summa #848 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6512701**
**LLI Group # 1283295**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 12/29/2011 13:08 by CBJ

Submitted: 01/03/2012 09:40
Reported: 01/13/2012 19:05

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

-848-

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 21 | | 0.20 | 110 | | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 1.8 | | 0.20 | 10 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 0.31 | J | 0.20 | 1.3 | J | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1201130AA | 01/12/2012 09:00 | Jeffrey B Smith | 1 |

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# Analysis Report



**Sample Description: MP 05 Summa #140 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6512702**
**LLI Group # 1283295**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 12/29/2011 13:16 by CBJ

Submitted: 01/03/2012 09:40
Reported: 01/13/2012 19:05

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

-140-

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 2.5 | | 0.50 | 6.0 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | N.D. | | 0.20 | N.D. | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 0.64 | J | 0.50 | 1.9 | J | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 0.56 | J | 0.20 | 1.7 | J | 0.62 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 0.39 | J | 0.20 | 1.4 | J | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 0.25 | J | 0.20 | 0.52 | J | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 0.86 | J | 0.20 | 4.2 | J | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.46 | J | 0.20 | 2.3 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 68 | | 0.20 | 270 | | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 0.20 | N.D. | | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.25 | J | 0.20 | 0.75 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | N.D. | | 0.20 | N.D. | | 0.75 | 1 |

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# Analysis Report



**Sample Description: MP 05 Summa #140 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6512702**
**LLI Group # 1283295**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 12/29/2011 13:16 by CBJ

Submitted: 01/03/2012 09:40
Reported: 01/13/2012 19:05

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

-140-

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 0.34 J | 0.20 | 1.9 J | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 0.20 | N.D. | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 0.20 | N.D. | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 1.5 | 0.20 | 8.3 | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 0.20 | N.D. | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 0.20 | N.D. | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 0.20 | N.D. | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 0.20 | N.D. | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 0.20 | N.D. | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 0.20 | N.D. | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1201130AA | 01/12/2012 03:23 | Michael A Ziegler | 1 |

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# Analysis Report



**Sample Description: SVE 3 Summa #1036 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6512703**
**LLI Group # 1283295**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 12/29/2011 12:49 by CBJ

Submitted: 01/03/2012 09:40
Reported: 01/13/2012 19:05

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

-1036

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 44 | | 5.0 | 100 | | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 5.0 | N.D. | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | 3.9 | J | 2.0 | 12 | J | 6.2 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 62 | | 2.0 | 250 | | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 4,200 | | 20 | 16,000 | | 79 | 100 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 2.0 | N.D. | | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | 5.4 | J | 2.0 | 37 | J | 14 | 10 |
| 05298 | Toluene | 108-88-3 | 240 | | 20 | 900 | | 75 | 100 |

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# Analysis Report



**Sample Description: SVE 3 Summa #1036 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6512703**
**LLI Group # 1283295**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 12/29/2011 12:49 by CBJ

Submitted: 01/03/2012 09:40
Reported: 01/13/2012 19:05

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

-1036

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 6,000 | | 20 | 33,000 | | 110 | 100 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 2.0 | N.D. | | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | 3.6 | J | 2.0 | 16 | J | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1201130AA | 01/12/2012 04:07 | Michael A Ziegler | 10 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1201130AB | 01/12/2012 23:24 | Michael A Ziegler | 100 |

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# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1283295
Reported: 01/13/12 at 07:05 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

## Laboratory Compliance Quality Control

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: C1201130AA | Sample number(s): 6512696-6512703 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 90 | 88 | 67-138 | 2 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 97 | 93 | 70-130 | 4 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 99 | 94 | 70-138 | 5 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 111 | 104 | 71-150 | 6 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 93 | 91 | 70-130 | 2 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 85 | 84 | 60-135 | 1 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 86 | 84 | 66-129 | 2 | 25 |
| Carbon Disulfide | N.D. | 0.20 | ppb(v) | 76 | 74 | 56-106 | 3 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 93 | 90 | 70-130 | 3 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 98 | 93 | 70-130 | 5 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 89 | 88 | 71-129 | 1 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 93 | 90 | 70-130 | 3 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 82 | 81 | 58-129 | 2 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 106 | 99 | 68-138 | 7 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 104 | 98 | 71-135 | 6 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 101 | 95 | 71-143 | 6 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 100 | 94 | 68-136 | 6 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 97 | 92 | 67-140 | 5 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 94 | 91 | 72-140 | 3 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 93 | 90 | 66-126 | 3 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 98 | 93 | 70-130 | 5 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 80 | 78 | 64-117 | 2 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 88 | 85 | 69-120 | 3 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 85 | 83 | 67-121 | 3 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 88 | 84 | 70-130 | 4 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 96 | 92 | 67-134 | 4 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 102 | 96 | 67-134 | 6 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 100 | 94 | 70-130 | 6 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 100 | 94 | 69-135 | 6 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 83 | 81 | 67-115 | 3 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 86 | 83 | 66-120 | 3 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 92 | 88 | 60-125 | 4 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 84 | 82 | 62-120 | 2 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 99 | 93 | 54-166 | 6 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 86 | 86 | 64-124 | 1 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 95 | 91 | 61-145 | 4 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 84 | 82 | 70-130 | 3 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1283295
Reported: 01/13/12 at 07:05 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 106 | 100 | 70-139 | 6 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 114 | 107 | 67-145 | 7 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 99 | 94 | 70-130 | 6 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 100 | 95 | 70-130 | 5 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 94 | 91 | 70-130 | 3 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 105 | 98 | 68-128 | 7 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 84 | 81 | 70-130 | 4 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 96 | 93 | 70-130 | 3 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 101 | 95 | 69-138 | 7 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 104 | 98 | 71-142 | 6 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 93 | 91 | 70-130 | 2 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 112 | 105 | 70-130 | 6 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 107 | 101 | 70-130 | 6 | 25 |
| Batch number: C1201130AB | Sample number(s): 6512703 | | | | | | | |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 80 | 78 | 64-117 | 2 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 100 | 95 | 70-130 | 5 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 94 | 91 | 70-130 | 3 | 25 |
| Batch number: D1201030AB | Sample number(s): 6512682-6512689 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 114 | 95 | 67-138 | 18 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 95 | 81 | 70-130 | 16 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 100 | 83 | 70-138 | 19 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 106 | 89 | 71-150 | 17 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 120 | 102 | 70-130 | 16 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 111 | 96 | 60-135 | 15 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 95 | 78 | 66-129 | 20 | 25 |
| Carbon Disulfide | N.D. | 0.50 | ppb(v) | 99 | 83 | 56-106 | 17 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 103 | 84 | 70-130 | 20 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 94 | 81 | 70-130 | 16 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 105 | 89 | 71-129 | 16 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 95 | 79 | 70-130 | 19 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 122 | 108 | 58-129 | 12 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 98 | 84 | 68-138 | 16 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 100 | 85 | 71-135 | 16 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 99 | 85 | 71-143 | 15 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 95 | 80 | 68-136 | 17 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 96 | 82 | 67-140 | 16 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 126 | 105 | 72-140 | 19 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 95 | 81 | 66-126 | 16 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 104 | 86 | 70-130 | 19 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 100 | 84 | 64-117 | 18 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 93 | 78 | 69-120 | 18 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 96 | 81 | 67-121 | 17 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 85 | 72 | 70-130 | 16 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 95 | 79 | 67-134 | 18 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 90 | 79 | 67-134 | 13 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 93 | 82 | 70-130 | 14 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1283295
Reported: 01/13/12 at 07:05 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 86 | 75 | 69-135 | 13 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 92 | 78 | 67-115 | 17 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 108 | 91 | 66-120 | 17 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 94 | 78 | 60-125 | 19 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 90 | 78 | 62-120 | 14 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 105 | 89 | 54-166 | 17 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 83 | 70 | 64-124 | 17 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 98 | 81 | 61-145 | 19 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 101 | 86 | 70-130 | 16 | 25 |
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 98 | 85 | 70-139 | 14 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 93 | 80 | 67-145 | 14 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 96 | 83 | 70-130 | 15 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 94 | 83 | 70-130 | 13 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 97 | 81 | 70-130 | 18 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 94 | 82 | 68-128 | 14 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 102 | 86 | 70-130 | 18 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 119 | 100 | 70-130 | 18 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 87 | 75 | 69-138 | 15 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 91 | 79 | 71-142 | 14 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 124 | 106 | 70-130 | 16 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 103 | 91 | 70-130 | 13 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 97 | 85 | 70-130 | 13 | 25 |
| Batch number: D1201030AC | Sample number(s): 6512682,6512684,6512686-6512687,6512689-6512695 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 114 | 95 | 67-138 | 18 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 95 | 81 | 70-130 | 16 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 100 | 83 | 70-138 | 19 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 106 | 89 | 71-150 | 17 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 120 | 102 | 70-130 | 16 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 111 | 96 | 60-135 | 15 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 95 | 78 | 66-129 | 20 | 25 |
| Carbon Disulfide | N.D. | 0.50 | ppb(v) | 99 | 83 | 56-106 | 17 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 103 | 84 | 70-130 | 20 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 94 | 81 | 70-130 | 16 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 105 | 89 | 71-129 | 16 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 95 | 79 | 70-130 | 19 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 122 | 108 | 58-129 | 12 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 98 | 84 | 68-138 | 16 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 100 | 85 | 71-135 | 16 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 99 | 85 | 71-143 | 15 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 95 | 80 | 68-136 | 17 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 96 | 82 | 67-140 | 16 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 126 | 105 | 72-140 | 19 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 95 | 81 | 66-126 | 16 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 104 | 86 | 70-130 | 19 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 100 | 84 | 64-117 | 18 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 93 | 78 | 69-120 | 18 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1283295
Reported: 01/13/12 at 07:05 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 96 | 81 | 67-121 | 17 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 85 | 72 | 70-130 | 16 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 95 | 79 | 67-134 | 18 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 90 | 79 | 67-134 | 13 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 93 | 82 | 70-130 | 14 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 86 | 75 | 69-135 | 13 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 92 | 78 | 67-115 | 17 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 108 | 91 | 66-120 | 17 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 94 | 78 | 60-125 | 19 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 90 | 78 | 62-120 | 14 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 105 | 89 | 54-166 | 17 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 83 | 70 | 64-124 | 17 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 98 | 81 | 61-145 | 19 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 101 | 86 | 70-130 | 16 | 25 |
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 98 | 85 | 70-139 | 14 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 93 | 80 | 67-145 | 14 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 96 | 83 | 70-130 | 15 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 94 | 83 | 70-130 | 13 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 97 | 81 | 70-130 | 18 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 94 | 82 | 68-128 | 14 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 102 | 86 | 70-130 | 18 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 119 | 100 | 70-130 | 18 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 87 | 75 | 69-138 | 15 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 91 | 79 | 71-142 | 14 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 124 | 106 | 70-130 | 16 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 103 | 91 | 70-130 | 13 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 97 | 85 | 70-130 | 13 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Lancaster Laboratories Inc
2425 New Holland Pike
Lancaster, PA 17601
Tel: (717) 656-2300

# TO-15 External Chain of Custody Record/Field Test Data Sheets

6556/1283295/6512682.703

| Client Contact Information | Project Manager: Todd Hill | | 1 of 3 COCs |
|---|---|---|---|
| Company: Johnson Co. | Phone: 802-229-4600 | Samplers Name(s) | Analysis |
| Address: | Site Contact: | | |
| City/State/Zip: | | | |
| Phone: | | | |
| FAX: | | | |
| Project Name: Avery Dennison | Analysis Turnaround Time | | |
| Site: Flowery Branch SVE | Standard (Specify) | | |
| PO #: | Rush (Specify) | | |

| Sample Identification | Sample Date(s) | Time Start (24 hr clock) | Time Stop (24 hr clock) | Canister Pressure in Field ("Hg) (Start) | Canister Pressure in Field ("Hg) (Stop) | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Flow Reg. ID | Can ID | Can Size (L) | Controller Flowrate (ml/min) | EPA TO-15 | NJDEP LLTO-15 | O2/CO2 | Helium as tracer | EPA 18/25 | Library Search | Other (Explain Below) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SVE 6 | 12/29/11 | 1:09 | | | | | | NA | 851 | 6 | NA | | | | | | | |
| SVE 4 | " | 12:47 | | | | | | | 1029 | | | | | | | | | |
| MP 11 | " | 12:41 | | | | | | | 1082 | | | | | | | | | |
| MP 10 | " | 12:45 | | | | | | | 505 | | | | | | | | | |
| MP 9 | " | 12:32 | | | | | | | 539 | | | | | | | | | |
| MP 03 | " | 1:11 | | | | | | | 324 | | | | | | | | | |
| MP 04 | " | 1:15 | | | | | | | 32 | | | | | | | | | |
| MP 07 | " | 1:06 | | | | | | | 895 | | | | | | | | | |
| SVE 1 | " | 12:52 | | | | | | | 21 | | | | | | | | | |
| VW5 | " | 1:05 | | | | | | | 578 | | | | | | | | | |

**Special Instructions/QC Requirements & Comments**

| Canisters Shipped by: | Date/Time: | Canisters Received by: | Date/Time: |
|---|---|---|---|
| Relinquished by: Calvin Pruitt | Date/Time: 12/29/11 14:34 | Received by: Fed Ex | Date/Time: 12/29/11 14:35 |
| Relinquished by: | Date/Time: | Received by: LLJ | Date/Time: 12/12 0940 |

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Lancaster, PA 17601
Tel: (717) 656-2300

# TO-15 External Chain of Custody Record/Field Test Data Sheets

6556/ 1283295/ 6512682-703

| | | | |
|---|---|---|---|
| Client Contact Information | Project Manager: Todd Hall | | 2 of 3 COCs |
| Company: Johnson Co | Phone: 802-229-4600 | Samplers Name(s) | Analysis |
| Address: | Site Contact: | | |
| City/State/Zip: | | | |
| Phone: | | | |
| FAX: | | | |
| Project Name: Avery Dennison | Analysis Turnaround Time | | |
| Site: Flowery Branch SVE | Standard (Specify) | | |
| PO # : | Rush (Specify) | | |

| Sample Identification | Sample Date(s) | Time Start (24 hr clock) | Time Stop (24 hr clock) | Canister Pressure in Field ("Hg) (Start) | Canister Pressure in Field ("Hg) (Stop) | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Flow Reg. ID | Can ID | Can Size (L) | Controller Flowrate (ml/min) | EPA TO-15 | NJDEP LLTO-15 | O2/CO2 | Helium as tracer | EPA 18/25 | Library Search | Other (Explain Below) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| VW 6 | 12/29/11 | 1:14 | | | | | | NA | 532 | 6 | NA | | | | | | | |
| MW 65S | " | 1:03 | | | | | | | 154 | | | | | | | | | |
| Blower | " | 12:40 | | | | | | | 837 | | | | | | | | | |
| SVE 2 | " | 12:51 | | | | | | | 178 | | | | | | | | | |
| Undiluted | " | 12:37 | | | | | | | 420 | | | | | | | | | |
| SVE 5 | " | 1:10 | | | | | | | 526 | | | | | | | | | |
| MP 08 | " | 1:04 | | | | | | | 544 | | | | | | | | | |
| MW 64 | " | 1:01 | | | | | | | 101 | | | | | | | | | |
| MP 02 | " | 12:44 | | | | | | | 97 | | | | | | | | | |
| MP 06 | " | 1:08 | | | | | | | 848 | | | | | | | | | |

Special Instructions/QC Requirements & Comments

| | | | |
|---|---|---|---|
| Canisters Shipped by: NA/SM | Date/Time: 12/27/11 15:00 | Canisters Received by: | Date/Time: |
| Relinquished by: | Date/Time: | Received by: | Date/Time: |
| Relinquished by: | Date/Time: | Received by: | Date/Time: 1/3/12 0940 |

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Lancaster, PA 17601
Tel: (717) 656-2300

# TO-15 External Chain of Custody Record/Field Test Data Sheets

6556/1283295/6512682-703

| | | | |
|---|---|---|---|
| Client Contact Information | Project Manager: Todd Hall | | 3 of 3 COCs |
| Company: Johnson Co | Phone: 802-229-4600 | Samplers Name(s) | Analysis |
| Address: | Site Contact: | | |
| City/State/Zip: | | | |
| Phone: | | | |
| FAX: | | | |
| Project Name: Avery Dennison | Analysis Turnaround Time | | |
| Site: Flowery Branch SVE | Standard (Specify) | | |
| PO #: | Rush (Specify) | | |

| Sample Identification | Sample Date(s) | Time Start (24 hr clock) | Time Stop (24 hr clock) | Canister Pressure in Field ("Hg) (Start) | Canister Pressure in Field ("Hg) (Stop) | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Flow Reg. ID | Can ID | Can Size (L) | Controller Flowrate (ml/min) | EPA TO-15 | NJDEP LLTO-15 | O2/CO2 | Helium as tracer | EPA 18/25 | Library Search | Other (Explain Below) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MP 05 | 12/29/11 | 1:16 | | | | | | NA | 140 | 6 | NA | | | | | | | |
| SVE 3 | 12/29/11 | 12:49 | | | | | | 1 | 1036 | 6 | 1 | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
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**Special Instructions/QC Requirements & Comments**

| | | | |
|---|---|---|---|
| Canisters Shipped by: | Date/Time: 12/29/11 15:00 | Canisters Received by: | Date/Time: |
| Relinquished by: | Date/Time: | Received by: | Date/Time: |
| Relinquished by: | Date/Time: | Received by: LLI | Date/Time: 1/3/12 0940 |

6556 | 1283295 | 65/2682-703

**Interim Soil Vapor Extraction System - System Data**
**Avery Dennison Facility, Flowery Branch, GA**

Date: 12-29-11 Field Representative(s): Calvin & Jeff

| Sample Location | Time Collected | Cannister # | Starting Pressure | Final Pressure | Comments |
|---|---|---|---|---|---|
| ✓ MP-02 | 12:44 | 097 | | | |
| ✓ MP-03 | 1:11 | 324 | | | |
| ✓ MP-04 | 1:15 | 032 | | | |
| ✓ MP-05 | 1:16 | 140 | | | |
| ✓ MP-06 | 1:08 | 848 | | | |
| ✓ MP-07 | 1:06 | 895 | | | |
| ✓ MP-08 | 1:04 | 544 | | | |
| ✓ MP-09 | 12:32 | 539 | | | |
| ✓ MP-10 | 12:45 | 505 | | | |
| ✓ MP-11 | 12:41 | 1082 | | | |
| VW-3 | OFF | OFF | | | OFF |
| ✓ VW-5 | 1:05 | 528 | | | |
| ✓ VW-6 | 1:14 | 530 | | | |
| ✓ MW-64 | 1:01 | 101 | | | |
| ✓ MW-65s | 1:03 | 154 | | | |
| ✓ SVE-1 | 1252 | 021 | | | |
| ✓ SVE-2 | 12:51 | 178 | | | |
| ✓ SVE-3 | 12:49 | 1036 | | | |
| ✓ SVE-4 | 12:47 | 1029 | | | |
| ✓ SVE-5 | 1:10 | 526 | | | |
| ✓ SVE-6 | 109 | 851 | | | |
| ✓ Undiluted | 12:37 | 420 | | | |
| ✓ Blower Exhaust | 12:40 | 837 | | | |

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# Environmental Sample Administration Receipt Documentation Log

**Client/Project:** Johnson Co.

**Date of Receipt:** 1/3/12

**Time of Receipt:** 0940

**Source Code:** 60-1

**Shipping Container Sealed:** (YES) NO

**Custody Seal Present * :** YES (NO)

* Custody seal was intact unless otherwise noted in the discrepancy section

**Package:** Chilled (Not Chilled)

| Temperature of Shipping Containers | | | | | | | |
|---|---|---|---|---|---|---|---|
| Cooler # | Thermometer ID | Temperature (°C) | Temp Bottle (TB) or Surface Temp (ST) | Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP) | Ice Present? Y/N | Loose (L) Bagged Ice (B) or NA | Comments |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |

**Number of Trip Blanks received NOT listed on chain of custody:** 0

**Paperwork Discrepancy/Unpacking Problems:**

-Rcvd 22 pcs. 8 Swagelok tubing & 22 filters.

**Unpacker Signature/Emp#:** [signature] 2316 **Date/Time:** 1/3/12 1000

Issued by Dept. 6042 Management

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# Explanation of Symbols and Abbreviations

*The following defines common symbols and abbreviations used in reporting technical data:*

| | | | |
|---|---|---|---|
| **RL** | Reporting Limit | **BMQL** | Below Minimum Quantitation Level |
| **N.D.** | none detected | **MPN** | Most Probable Number |
| **TNTC** | Too Numerous To Count | **CP Units** | cobalt-chloroplatinate units |
| **IU** | International Units | **NTU** | nephelometric turbidity units |
| **umhos/cm** | micromhos/cm | **ng** | nanogram(s) |
| **C** | degrees Celsius | **F** | degrees Fahrenheit |
| **meq** | milliequivalents | **lb.** | pound(s) |
| **g** | gram(s) | **kg** | kilogram(s) |
| **µg** | microgram(s) | **mg** | milligram(s) |
| **mL** | milliliter(s) | **L** | liter(s) |
| **m3** | cubic meter(s) | **µL** | microliter(s) |
| | | **pg/L** | picogram/liter |

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**J** estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

*U.S. EPA CLP Data Qualifiers:*

**Organic Qualifiers**

| | |
|---|---|
| **A** | TIC is a possible aldol-condensation product |
| **B** | Analyte was also detected in the blank |
| **C** | Pesticide result confirmed by GC/MS |
| **D** | Compound quantitated on a diluted sample |
| **E** | Concentration exceeds the calibration range of the instrument |
| **N** | Presumptive evidence of a compound (TICs only) |
| **P** | Concentration difference between primary and confirmation columns >25% |
| **U** | Compound was not detected |
| **X,Y,Z** | Defined in case narrative |

**Inorganic Qualifiers**

| | |
|---|---|
| **B** | Value is <CRDL, but ≥IDL |
| **E** | Estimated due to interference |
| **M** | Duplicate injection precision not met |
| **N** | Spike sample not within control limits |
| **S** | Method of standard additions (MSA) used for calculation |
| **U** | Compound was not detected |
| **W** | Post digestion spike out of control limits |
| ***** | Duplicate analysis not within control limits |
| **+** | Correlation coefficient for MSA <0.995 |

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

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# Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

February 13, 2012

Project: Avery Dennison / Flowery Branch, GA

Submittal Date: 02/01/2012
Group Number: 1287512
PO Number: 1-0145-4
State of Sample Origin: GA

| Client Sample Description | Lancaster Labs (LLI) # |
|---|---|
| SVE3 Air | 6536945 |
| MP11 Air | 6536946 |
| MP03 Air | 6536947 |
| SVE4 Air | 6536948 |
| MP08 Air | 6536949 |
| VW6 Air | 6536950 |
| MP09 Air | 6536951 |
| SVE1 Air | 6536952 |
| MW64 Air | 6536953 |
| MP04 Air | 6536954 |
| SVE05 Air | 6536955 |
| VW5 Air | 6536956 |
| SVE6 Air | 6536957 |
| MP05 Air | 6536958 |
| MW65S Air | 6536959 |
| Undiluted Air | 6536960 |
| Blower Air | 6536961 |
| MP10 Air | 6536962 |
| MP02 Air | 6536963 |
| SVE2 Air | 6536964 |
| MP06 Air | 6536965 |
| MP07 Air | 6536966 |

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

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# Analysis Report

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ELECTRONIC COPY TO The Johnson Company, Inc. Attn: Todd Hall

Questions? Contact your Client Services Representative
Wendy A Kozma at (717) 656-2300 Ext. 1522

Respectfully Submitted,



Michele J. Smith
Senior Specialist

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# Analysis Report



**Sample Description:** SVE3 Air
Summa Can# 850
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6536945**
**LLI Group # 1287512**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 01/30/2012 12:23 by CP

Submitted: 02/01/2012 09:50
Reported: 02/13/2012 23:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | Acetone | 67-64-1 | N.D. | 10 | N.D. | 24 | 20 |
| 05298 | Benzene | 71-43-2 | N.D. | 4.0 | N.D. | 13 | 20 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | 4.0 | N.D. | 26 | 20 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | 4.0 | N.D. | 27 | 20 |
| 05298 | Bromoform | 75-25-2 | N.D. | 4.0 | N.D. | 41 | 20 |
| 05298 | Bromomethane | 74-83-9 | N.D. | 4.0 | N.D. | 16 | 20 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | 10 | N.D. | 22 | 20 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | 10 | N.D. | 29 | 20 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | 4.0 | N.D. | 12 | 20 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | 4.0 | N.D. | 25 | 20 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | 4.0 | N.D. | 18 | 20 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | 4.0 | N.D. | 14 | 20 |
| 05298 | Chloroethane | 75-00-3 | N.D. | 4.0 | N.D. | 11 | 20 |
| 05298 | Chloroform | 67-66-3 | N.D. | 4.0 | N.D. | 20 | 20 |
| 05298 | Chloromethane | 74-87-3 | N.D. | 4.0 | N.D. | 8.3 | 20 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | 4.0 | N.D. | 13 | 20 |
| 05298 | Cumene | 98-82-8 | N.D. | 4.0 | N.D. | 20 | 20 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | 4.0 | N.D. | 34 | 20 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | 4.0 | N.D. | 31 | 20 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | 4.0 | N.D. | 28 | 20 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 4.0 | N.D. | 24 | 20 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 4.0 | N.D. | 24 | 20 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 4.0 | N.D. | 24 | 20 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | 4.0 | N.D. | 20 | 20 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 42 | 4.0 | 170 | 16 | 20 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | 4.0 | N.D. | 16 | 20 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 1,000 | 40 | 4,000 | 160 | 200 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | 4.0 | N.D. | 16 | 20 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 4.0 | N.D. | 16 | 20 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | 4.0 | N.D. | 17 | 20 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | 4.0 | N.D. | 18 | 20 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | 4.0 | N.D. | 18 | 20 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | 4.0 | N.D. | 18 | 20 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | 4.0 | N.D. | 17 | 20 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | 4.0 | N.D. | 20 | 20 |
| 05298 | Freon 113 | 76-13-1 | N.D. | 10 | N.D. | 77 | 20 |
| 05298 | Freon 114 | 76-14-2 | N.D. | 4.0 | N.D. | 28 | 20 |
| 05298 | Heptane | 142-82-5 | N.D. | 4.0 | N.D. | 16 | 20 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | 4.0 | N.D. | 39 | 20 |
| 05298 | Hexane | 110-54-3 | N.D. | 4.0 | N.D. | 14 | 20 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | 10 | N.D. | 41 | 20 |
| 05298 | Isooctane | 540-84-1 | N.D. | 4.0 | N.D. | 19 | 20 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | 4.0 | N.D. | 14 | 20 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 10 | N.D. | 41 | 20 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | 4.0 | N.D. | 14 | 20 |
| 05298 | Octane | 111-65-9 | N.D. | 4.0 | N.D. | 19 | 20 |
| 05298 | Pentane | 109-66-0 | N.D. | 4.0 | N.D. | 12 | 20 |
| 05298 | Styrene | 100-42-5 | N.D. | 4.0 | N.D. | 17 | 20 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | 4.0 | N.D. | 27 | 20 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | 4.0 | N.D. | 27 | 20 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | 4.0 | N.D. | 27 | 20 |

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# Analysis Report



**Sample Description:** SVE3 Air
Summa Can# 850
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6536945**
**LLI Group # 1287512**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 01/30/2012 12:23 by CP

Submitted: 02/01/2012 09:50
Reported: 02/13/2012 23:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 160 | 4.0 | 600 | 15 | 20 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 760 | 40 | 4,100 | 220 | 200 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 4.0 | N.D. | 22 | 20 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 4.0 | N.D. | 21 | 20 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 4.0 | N.D. | 22 | 20 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 4.0 | N.D. | 24 | 20 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 4.0 | N.D. | 20 | 20 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 4.0 | N.D. | 20 | 20 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 4.0 | N.D. | 10 | 20 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 4.0 | N.D. | 17 | 20 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 4.0 | N.D. | 17 | 20 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1203830AB | 02/09/2012 04:28 | Jeffrey B Smith | 20 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1203830AC | 02/09/2012 15:57 | Jeffrey B Smith | 200 |

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# Analysis Report



**Sample Description: MP11 Air**
**Summa Can# 873**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6536946**
**LLI Group # 1287512**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 01/30/2012 12:35 by CP

Submitted: 02/01/2012 09:50
Reported: 02/13/2012 23:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 1,900 | | 50 | 4,500 | | 120 | 100 |
| 05298 | Benzene | 71-43-2 | N.D. | | 20 | N.D. | | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 50 | N.D. | | 110 | 100 |
| 05298 | 2-Butanone | 78-93-3 | 700 | | 50 | 2,100 | | 150 | 100 |
| 05298 | Carbon Disulfide | 75-15-0 | 310 | | 20 | 960 | | 62 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 29 | J | 20 | 100 | J | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 20 | N.D. | | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 20 | N.D. | | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 20 | N.D. | | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | N.D. | | 20 | N.D. | | 81 | 100 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 20 | N.D. | | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 1,900 | | 20 | 7,400 | | 79 | 100 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 20 | N.D. | | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | N.D. | | 20 | N.D. | | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | 38 | J | 20 | 130 | J | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 250 | | 20 | 860 | | 69 | 100 |
| 05298 | Octane | 111-65-9 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Pentane | 109-66-0 | 27 | J | 20 | 80 | J | 59 | 100 |
| 05298 | Styrene | 100-42-5 | 29 | J | 20 | 120 | J | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 20 | N.D. | | 140 | 100 |

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# Analysis Report



**Sample Description: MP11 Air**
**Summa Can# 873**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6536946**
**LLI Group # 1287512**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 01/30/2012 12:35 by CP

Submitted: 02/01/2012 09:50
Reported: 02/13/2012 23:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 22 | J | 20 | 84 | J | 75 | 100 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 480 | | 20 | 2,600 | | 110 | 100 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 20 | N.D. | | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 20 | N.D. | | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 20 | N.D. | | 87 | 100 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1203830AB | 02/09/2012 06:00 | Jeffrey B Smith | 100 |

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# Analysis Report



**Sample Description: MP03 Air**
**Summa Can# 1084**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6536947**
**LLI Group # 1287512**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 01/30/2012 11:54 by CP

Submitted: 02/01/2012 09:50
Reported: 02/13/2012 23:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | N.D. | | 10 | N.D. | | 24 | 20 |
| 05298 | Benzene | 71-43-2 | N.D. | | 4.0 | N.D. | | 13 | 20 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 4.0 | N.D. | | 26 | 20 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 4.0 | N.D. | | 41 | 20 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 10 | N.D. | | 22 | 20 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 10 | N.D. | | 29 | 20 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 4.0 | N.D. | | 12 | 20 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 4.0 | N.D. | | 25 | 20 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 4.0 | N.D. | | 11 | 20 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 4.0 | N.D. | | 8.3 | 20 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 4.0 | N.D. | | 13 | 20 |
| 05298 | Cumene | 98-82-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 4.0 | N.D. | | 34 | 20 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 4.0 | N.D. | | 31 | 20 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 4.0 | N.D. | | 28 | 20 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 12 | J | 4.0 | 50 | J | 16 | 20 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 340 | | 4.0 | 1,400 | | 16 | 20 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 10 | N.D. | | 77 | 20 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 4.0 | N.D. | | 28 | 20 |
| 05298 | Heptane | 142-82-5 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 4.0 | N.D. | | 39 | 20 |
| 05298 | Hexane | 110-54-3 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 10 | N.D. | | 41 | 20 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 4.0 | N.D. | | 19 | 20 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 10 | N.D. | | 41 | 20 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | Octane | 111-65-9 | N.D. | | 4.0 | N.D. | | 19 | 20 |
| 05298 | Pentane | 109-66-0 | N.D. | | 4.0 | N.D. | | 12 | 20 |
| 05298 | Styrene | 100-42-5 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 4.0 | N.D. | | 27 | 20 |

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# Analysis Report



**Sample Description: MP03 Air**
**Summa Can# 1084**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6536947**
**LLI Group # 1287512**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 01/30/2012 11:54 by CP

Submitted: 02/01/2012 09:50
Reported: 02/13/2012 23:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 8.3 | J | 4.0 | 31 | J | 15 | 20 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 35 | | 4.0 | 190 | | 22 | 20 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 4.0 | N.D. | | 22 | 20 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 4.0 | N.D. | | 21 | 20 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 4.0 | N.D. | | 22 | 20 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 4.0 | N.D. | | 10 | 20 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 4.0 | N.D. | | 17 | 20 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1203830AC | 02/09/2012 15:12 | Jeffrey B Smith | 20 |

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# Analysis Report



**Sample Description:** SVE4 Air
Summa Can# 890
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6536948**
**LLI Group # 1287512**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 01/30/2012 12:26 by CP

Submitted: 02/01/2012 09:50
Reported: 02/13/2012 23:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 4.0 | | 0.50 | 9.6 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | N.D. | | 0.20 | N.D. | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 0.61 | J | 0.50 | 1.8 | J | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 0.31 | J | 0.20 | 0.96 | J | 0.62 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 0.63 | J | 0.20 | 2.2 | J | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | 0.98 | J | 0.20 | 4.8 | J | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 0.34 | J | 0.20 | 0.71 | J | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 0.31 | J | 0.20 | 1.5 | J | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.61 | J | 0.20 | 3.0 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 2.0 | | 0.20 | 7.9 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 0.24 | J | 0.20 | 0.93 | J | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 0.20 | N.D. | | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.47 | J | 0.20 | 1.4 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 0.30 | J | 0.20 | 2.1 | J | 1.4 | 1 |

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# Analysis Report



**Sample Description:** SVE4 Air
Summa Can# 890
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6536948**
**LLI Group # 1287512**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 01/30/2012 12:26 by CP

Submitted: 02/01/2012 09:50
Reported: 02/13/2012 23:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | Toluene | 108-88-3 | N.D. | 0.20 | N.D. | 0.75 | 1 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 4.0 | 0.20 | 22 | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 0.20 | N.D. | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 0.20 | N.D. | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 1.9 | 0.20 | 11 | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 0.20 | N.D. | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 0.20 | N.D. | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 0.20 | N.D. | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 0.20 | N.D. | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 0.20 | N.D. | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 0.20 | N.D. | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1203430AA | 02/04/2012 03:10 | Michael A Ziegler | 1 |

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# Analysis Report



**Sample Description: MP08 Air**
**Summa Can# 1021**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6536949**
**LLI Group # 1287512**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 01/30/2012 12:13 by CP

Submitted: 02/01/2012 09:50
Reported: 02/13/2012 23:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | Acetone | 67-64-1 | N.D. | 10 | N.D. | 24 | 20 |
| 05298 | Benzene | 71-43-2 | N.D. | 4.0 | N.D. | 13 | 20 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | 4.0 | N.D. | 26 | 20 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | 4.0 | N.D. | 27 | 20 |
| 05298 | Bromoform | 75-25-2 | N.D. | 4.0 | N.D. | 41 | 20 |
| 05298 | Bromomethane | 74-83-9 | N.D. | 4.0 | N.D. | 16 | 20 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | 10 | N.D. | 22 | 20 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | 10 | N.D. | 29 | 20 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | 4.0 | N.D. | 12 | 20 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | 4.0 | N.D. | 25 | 20 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | 4.0 | N.D. | 18 | 20 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | 4.0 | N.D. | 14 | 20 |
| 05298 | Chloroethane | 75-00-3 | N.D. | 4.0 | N.D. | 11 | 20 |
| 05298 | Chloroform | 67-66-3 | N.D. | 4.0 | N.D. | 20 | 20 |
| 05298 | Chloromethane | 74-87-3 | N.D. | 4.0 | N.D. | 8.3 | 20 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | 4.0 | N.D. | 13 | 20 |
| 05298 | Cumene | 98-82-8 | N.D. | 4.0 | N.D. | 20 | 20 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | 4.0 | N.D. | 34 | 20 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | 4.0 | N.D. | 31 | 20 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | 4.0 | N.D. | 28 | 20 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 4.0 | N.D. | 24 | 20 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 4.0 | N.D. | 24 | 20 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 4.0 | N.D. | 24 | 20 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | 4.0 | N.D. | 20 | 20 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | N.D. | 4.0 | N.D. | 16 | 20 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | 4.0 | N.D. | 16 | 20 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 700 | 4.0 | 2,800 | 16 | 20 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | 4.0 | N.D. | 16 | 20 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 4.0 | N.D. | 16 | 20 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | 4.0 | N.D. | 17 | 20 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | 4.0 | N.D. | 18 | 20 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | 4.0 | N.D. | 18 | 20 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | 4.0 | N.D. | 18 | 20 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | 4.0 | N.D. | 17 | 20 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | 4.0 | N.D. | 20 | 20 |
| 05298 | Freon 113 | 76-13-1 | N.D. | 10 | N.D. | 77 | 20 |
| 05298 | Freon 114 | 76-14-2 | N.D. | 4.0 | N.D. | 28 | 20 |
| 05298 | Heptane | 142-82-5 | N.D. | 4.0 | N.D. | 16 | 20 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | 4.0 | N.D. | 39 | 20 |
| 05298 | Hexane | 110-54-3 | N.D. | 4.0 | N.D. | 14 | 20 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | 10 | N.D. | 41 | 20 |
| 05298 | Isooctane | 540-84-1 | N.D. | 4.0 | N.D. | 19 | 20 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | 4.0 | N.D. | 14 | 20 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 10 | N.D. | 41 | 20 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | 4.0 | N.D. | 14 | 20 |
| 05298 | Octane | 111-65-9 | N.D. | 4.0 | N.D. | 19 | 20 |
| 05298 | Pentane | 109-66-0 | N.D. | 4.0 | N.D. | 12 | 20 |
| 05298 | Styrene | 100-42-5 | N.D. | 4.0 | N.D. | 17 | 20 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | 4.0 | N.D. | 27 | 20 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | 4.0 | N.D. | 27 | 20 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | 4.0 | N.D. | 27 | 20 |

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# Analysis Report



**Sample Description: MP08 Air**
**Summa Can# 1021**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6536949**
**LLI Group # 1287512**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 01/30/2012 12:13 by CP

Submitted: 02/01/2012 09:50
Reported: 02/13/2012 23:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | Toluene | 108-88-3 | N.D. | 4.0 | N.D. | 15 | 20 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 82 | 4.0 | 450 | 22 | 20 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 4.0 | N.D. | 22 | 20 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 4.0 | N.D. | 21 | 20 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 4.0 | N.D. | 22 | 20 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 4.0 | N.D. | 24 | 20 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 4.0 | N.D. | 20 | 20 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 4.0 | N.D. | 20 | 20 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 4.0 | N.D. | 10 | 20 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 4.0 | N.D. | 17 | 20 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 4.0 | N.D. | 17 | 20 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1203830AC | 02/09/2012 22:00 | Jeffrey B Smith | 20 |

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# Analysis Report



**Sample Description:** VW6 Air
Summa Can# 895
Avery Dennison / Flowery Branch, GA

**LLI Sample #** AQ 6536950
**LLI Group #** 1287512
**Account #** 06556

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 01/30/2012 11:52 by CP

Submitted: 02/01/2012 09:50
Reported: 02/13/2012 23:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 11 | J | 10 | 25 | J | 24 | 20 |
| 05298 | Benzene | 71-43-2 | N.D. | | 4.0 | N.D. | | 13 | 20 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 4.0 | N.D. | | 26 | 20 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 4.0 | N.D. | | 41 | 20 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 10 | N.D. | | 22 | 20 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 10 | N.D. | | 29 | 20 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 4.0 | N.D. | | 12 | 20 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 4.0 | N.D. | | 25 | 20 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 4.0 | N.D. | | 11 | 20 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 4.0 | N.D. | | 8.3 | 20 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 4.0 | N.D. | | 13 | 20 |
| 05298 | Cumene | 98-82-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 4.0 | N.D. | | 34 | 20 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 4.0 | N.D. | | 31 | 20 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 4.0 | N.D. | | 28 | 20 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 60 | | 4.0 | 240 | | 16 | 20 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 2,800 | | 20 | 11,000 | | 79 | 100 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 10 | N.D. | | 77 | 20 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 4.0 | N.D. | | 28 | 20 |
| 05298 | Heptane | 142-82-5 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 4.0 | N.D. | | 39 | 20 |
| 05298 | Hexane | 110-54-3 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 10 | N.D. | | 41 | 20 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 4.0 | N.D. | | 19 | 20 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 10 | N.D. | | 41 | 20 |
| 05298 | Methylene Chloride | 75-09-2 | 5.6 | J | 4.0 | 19 | J | 14 | 20 |
| 05298 | Octane | 111-65-9 | N.D. | | 4.0 | N.D. | | 19 | 20 |
| 05298 | Pentane | 109-66-0 | N.D. | | 4.0 | N.D. | | 12 | 20 |
| 05298 | Styrene | 100-42-5 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 4.0 | N.D. | | 27 | 20 |

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# Analysis Report



**Sample Description: VW6 Air**
**Summa Can# 895**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6536950**
**LLI Group # 1287512**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 01/30/2012 11:52 by CP

Submitted: 02/01/2012 09:50
Reported: 02/13/2012 23:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | Toluene | 108-88-3 | N.D. | 4.0 | N.D. | 15 | 20 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 26 | 4.0 | 140 | 22 | 20 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 4.0 | N.D. | 22 | 20 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 4.0 | N.D. | 21 | 20 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 4.0 | N.D. | 22 | 20 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 4.0 | N.D. | 24 | 20 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 4.0 | N.D. | 20 | 20 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 4.0 | N.D. | 20 | 20 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 4.0 | N.D. | 10 | 20 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 4.0 | N.D. | 17 | 20 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 4.0 | N.D. | 17 | 20 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1203830AB | 02/08/2012 23:52 | Jeffrey B Smith | 100 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1203830AB | 02/09/2012 05:13 | Jeffrey B Smith | 20 |

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# Analysis Report



**Sample Description: MP09 Air**
**Summa Can# 803**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6536951**
**LLI Group # 1287512**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 01/30/2012 12:37 by CP

Submitted: 02/01/2012 09:50
Reported: 02/13/2012 23:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 38 | J | 10 | 90 | J | 24 | 20 |
| 05298 | Benzene | 71-43-2 | N.D. | | 4.0 | N.D. | | 13 | 20 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 4.0 | N.D. | | 26 | 20 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 4.0 | N.D. | | 41 | 20 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 10 | N.D. | | 22 | 20 |
| 05298 | 2-Butanone | 78-93-3 | 18 | J | 10 | 53 | J | 29 | 20 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 4.0 | N.D. | | 12 | 20 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 4.0 | N.D. | | 25 | 20 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 4.0 | N.D. | | 11 | 20 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 4.0 | N.D. | | 8.3 | 20 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 4.0 | N.D. | | 13 | 20 |
| 05298 | Cumene | 98-82-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 4.0 | N.D. | | 34 | 20 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 4.0 | N.D. | | 31 | 20 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 4.0 | N.D. | | 28 | 20 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 29 | | 4.0 | 120 | | 16 | 20 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 580 | | 4.0 | 2,300 | | 16 | 20 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 10 | N.D. | | 77 | 20 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 4.0 | N.D. | | 28 | 20 |
| 05298 | Heptane | 142-82-5 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 4.0 | N.D. | | 39 | 20 |
| 05298 | Hexane | 110-54-3 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 10 | N.D. | | 41 | 20 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 4.0 | N.D. | | 19 | 20 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 10 | N.D. | | 41 | 20 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | Octane | 111-65-9 | N.D. | | 4.0 | N.D. | | 19 | 20 |
| 05298 | Pentane | 109-66-0 | N.D. | | 4.0 | N.D. | | 12 | 20 |
| 05298 | Styrene | 100-42-5 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 4.0 | N.D. | | 27 | 20 |

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# Analysis Report



**Sample Description: MP09 Air**
**Summa Can# 803**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6536951**
**LLI Group # 1287512**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 01/30/2012 12:37 by CP

Submitted: 02/01/2012 09:50
Reported: 02/13/2012 23:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | Toluene | 108-88-3 | N.D. | 4.0 | N.D. | 15 | 20 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 190 | 4.0 | 1,100 | 22 | 20 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 4.0 | N.D. | 22 | 20 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 4.0 | N.D. | 21 | 20 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 4.0 | N.D. | 22 | 20 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 4.0 | N.D. | 24 | 20 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 4.0 | N.D. | 20 | 20 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 4.0 | N.D. | 20 | 20 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 4.0 | N.D. | 10 | 20 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 4.0 | N.D. | 17 | 20 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 4.0 | N.D. | 17 | 20 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1203830AC | 02/09/2012 16:42 | Jeffrey B Smith | 20 |

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# Analysis Report



**Sample Description:** SVE1 Air
Summa Can# 106
Avery Dennison / Flowery Branch, GA

**LLI Sample #** AQ 6536952
**LLI Group #** 1287512
**Account #** 06556

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 01/30/2012 12:19 by CP

Submitted: 02/01/2012 09:50
Reported: 02/13/2012 23:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 760 | | 50 | 1,800 | | 120 | 100 |
| 05298 | Benzene | 71-43-2 | N.D. | | 20 | N.D. | | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 50 | N.D. | | 110 | 100 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 50 | N.D. | | 150 | 100 |
| 05298 | Carbon Disulfide | 75-15-0 | 310 | | 20 | 980 | | 62 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 20 | N.D. | | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 20 | N.D. | | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 20 | N.D. | | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 20 | N.D. | | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 550 | | 20 | 2,200 | | 81 | 100 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 20 | N.D. | | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 8,300 | | 400 | 33,000 | | 1,600 | 2000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | 24 | J | 20 | 110 | J | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | N.D. | | 20 | N.D. | | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | 31 | J | 20 | 110 | J | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 170 | | 20 | 580 | | 69 | 100 |
| 05298 | Octane | 111-65-9 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Pentane | 109-66-0 | 28 | J | 20 | 82 | J | 59 | 100 |
| 05298 | Styrene | 100-42-5 | 44 | J | 20 | 190 | J | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 20 | N.D. | | 140 | 100 |

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# Analysis Report



**Sample Description:** SVE1 Air
Summa Can# 106
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6536952**
**LLI Group # 1287512**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 01/30/2012 12:19 by CP

Submitted: 02/01/2012 09:50
Reported: 02/13/2012 23:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 2,200 | | 400 | 8,300 | | 1,500 | 2000 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 22,000 | | 400 | 120,000 | | 2,200 | 2000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 20 | N.D. | | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | 88 | J | 20 | 380 | J | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | 47 | J | 20 | 200 | J | 87 | 100 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1203430AA | 02/04/2012 07:06 | Michael A Ziegler | 100 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1203430AA | 02/04/2012 13:52 | Michael A Ziegler | 2000 |

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# Analysis Report



**Sample Description: MW64 Air**
**Summa Can# 855**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6536953**
**LLI Group # 1287512**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 01/30/2012 12:10 by CP

Submitted: 02/01/2012 09:50
Reported: 02/13/2012 23:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | N.D. | | 1,000 | N.D. | | 2,400 | 2000 |
| 05298 | Benzene | 71-43-2 | N.D. | | 400 | N.D. | | 1,300 | 2000 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 400 | N.D. | | 2,600 | 2000 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 400 | N.D. | | 2,700 | 2000 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 400 | N.D. | | 4,100 | 2000 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 400 | N.D. | | 1,600 | 2000 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 1,000 | N.D. | | 2,200 | 2000 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 1,000 | N.D. | | 2,900 | 2000 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 400 | N.D. | | 1,200 | 2000 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 400 | N.D. | | 2,500 | 2000 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 400 | N.D. | | 1,800 | 2000 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 400 | N.D. | | 1,400 | 2000 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 400 | N.D. | | 1,100 | 2000 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 400 | N.D. | | 2,000 | 2000 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 400 | N.D. | | 830 | 2000 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 400 | N.D. | | 1,300 | 2000 |
| 05298 | Cumene | 98-82-8 | N.D. | | 400 | N.D. | | 2,000 | 2000 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 400 | N.D. | | 3,400 | 2000 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 400 | N.D. | | 3,100 | 2000 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 400 | N.D. | | 2,800 | 2000 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 400 | N.D. | | 2,400 | 2000 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 400 | N.D. | | 2,400 | 2000 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 400 | N.D. | | 2,400 | 2000 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 400 | N.D. | | 2,000 | 2000 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 5,600 | | 400 | 23,000 | | 1,600 | 2000 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 400 | N.D. | | 1,600 | 2000 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 350,000 | | 20,000 | 1,400,000 | | 79,000 | 100000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 400 | N.D. | | 1,600 | 2000 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 400 | N.D. | | 1,600 | 2000 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 400 | N.D. | | 1,700 | 2000 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 400 | N.D. | | 1,800 | 2000 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 400 | N.D. | | 1,800 | 2000 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 400 | N.D. | | 1,800 | 2000 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 400 | N.D. | | 1,700 | 2000 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 400 | N.D. | | 2,000 | 2000 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 1,000 | N.D. | | 7,700 | 2000 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 400 | N.D. | | 2,800 | 2000 |
| 05298 | Heptane | 142-82-5 | N.D. | | 400 | N.D. | | 1,600 | 2000 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 400 | N.D. | | 3,900 | 2000 |
| 05298 | Hexane | 110-54-3 | N.D. | | 400 | N.D. | | 1,400 | 2000 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 1,000 | N.D. | | 4,100 | 2000 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 400 | N.D. | | 1,900 | 2000 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 400 | N.D. | | 1,400 | 2000 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 1,000 | N.D. | | 4,100 | 2000 |
| 05298 | Methylene Chloride | 75-09-2 | 610 | J | 400 | 2,100 | J | 1,400 | 2000 |
| 05298 | Octane | 111-65-9 | N.D. | | 400 | N.D. | | 1,900 | 2000 |
| 05298 | Pentane | 109-66-0 | N.D. | | 400 | N.D. | | 1,200 | 2000 |
| 05298 | Styrene | 100-42-5 | N.D. | | 400 | N.D. | | 1,700 | 2000 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 400 | N.D. | | 2,700 | 2000 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 400 | N.D. | | 2,700 | 2000 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 400 | N.D. | | 2,700 | 2000 |

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# Analysis Report



**Sample Description: MW64 Air**
**Summa Can# 855**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6536953**
**LLI Group # 1287512**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 01/30/2012 12:10 by CP

Submitted: 02/01/2012 09:50
Reported: 02/13/2012 23:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 2,700 | 400 | 10,000 | 1,500 | 2000 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 92,000 | 400 | 500,000 | 2,200 | 2000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 400 | N.D. | 2,200 | 2000 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 400 | N.D. | 2,100 | 2000 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 400 | N.D. | 2,200 | 2000 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 400 | N.D. | 2,400 | 2000 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 400 | N.D. | 2,000 | 2000 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 400 | N.D. | 2,000 | 2000 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 400 | N.D. | 1,000 | 2000 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 400 | N.D. | 1,700 | 2000 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 400 | N.D. | 1,700 | 2000 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1203830AB | 02/09/2012 02:12 | Jeffrey B Smith | 2000 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1203830AC | 02/09/2012 17:26 | Jeffrey B Smith | 100000 |

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# Analysis Report



**Sample Description: MP04 Air**
**Summa Can# 851**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6536954**
**LLI Group # 1287512**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 01/30/2012 11:50 by CP

Submitted: 02/01/2012 09:50
Reported: 02/13/2012 23:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 3.9 | | 0.50 | 9.3 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | N.D. | | 0.20 | N.D. | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 0.90 | J | 0.50 | 2.6 | J | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 0.42 | J | 0.20 | 1.3 | J | 0.62 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 0.74 | J | 0.20 | 2.6 | J | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 0.27 | J | 0.20 | 0.56 | J | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 1.3 | | 0.20 | 6.6 | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.60 | J | 0.20 | 3.0 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 0.59 | J | 0.20 | 2.4 | J | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 5.1 | | 0.20 | 20 | | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 0.20 | N.D. | | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.35 | J | 0.20 | 1.0 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |

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# Analysis Report



**Sample Description: MP04 Air**
**Summa Can# 851**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6536954**
**LLI Group # 1287512**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 01/30/2012 11:50 by CP

Submitted: 02/01/2012 09:50
Reported: 02/13/2012 23:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | Toluene | 108-88-3 | N.D. | 0.20 | N.D. | 0.75 | 1 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.20 | N.D. | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 0.20 | N.D. | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 0.20 | N.D. | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 2.3 | 0.20 | 13 | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 0.20 | N.D. | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 0.20 | N.D. | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 0.20 | N.D. | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 0.20 | N.D. | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 0.20 | N.D. | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 0.20 | N.D. | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1203430AA | 02/04/2012 13:08 | Michael A Ziegler | 1 |

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# Analysis Report



**Sample Description:** SVE05 Air
Summa Can# 1022
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6536955**
**LLI Group # 1287512**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 01/30/2012 11:57 by CP

Submitted: 02/01/2012 09:50
Reported: 02/13/2012 23:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | Acetone | 67-64-1 | N.D. | 5.0 | N.D. | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | 2.0 | N.D. | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | 2.0 | N.D. | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | 2.0 | N.D. | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | 2.0 | N.D. | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | 2.0 | N.D. | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | 5.0 | N.D. | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | 5.0 | N.D. | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | 2.0 | N.D. | 6.2 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | 2.0 | N.D. | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | 2.0 | N.D. | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | 2.0 | N.D. | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | 2.0 | N.D. | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | 2.0 | N.D. | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | 2.0 | N.D. | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | 2.0 | N.D. | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | 2.0 | N.D. | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | 2.0 | N.D. | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 2.0 | N.D. | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 2.0 | N.D. | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 2.0 | N.D. | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | 2.0 | N.D. | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 11 | 2.0 | 43 | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | 2.0 | N.D. | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 350 | 2.0 | 1,400 | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | 2.0 | N.D. | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 2.0 | N.D. | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | 2.0 | N.D. | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | 2.0 | N.D. | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | 2.0 | N.D. | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | 2.0 | N.D. | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | 2.0 | N.D. | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | 5.0 | N.D. | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | 2.0 | N.D. | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | 2.0 | N.D. | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | 2.0 | N.D. | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | 2.0 | N.D. | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | 5.0 | N.D. | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | 2.0 | N.D. | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | 2.0 | N.D. | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | N.D. | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | 2.0 | N.D. | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | 2.0 | N.D. | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | 2.0 | N.D. | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | 2.0 | N.D. | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | 2.0 | N.D. | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | 2.0 | N.D. | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | 2.0 | N.D. | 14 | 10 |

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# Analysis Report



**Sample Description: SVE05 Air**
**Summa Can# 1022**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6536955**
**LLI Group # 1287512**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 01/30/2012 11:57 by CP

Submitted: 02/01/2012 09:50
Reported: 02/13/2012 23:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 4.2 | J | 2.0 | 16 | J | 7.5 | 10 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 18 | | 2.0 | 99 | | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 2.0 | N.D. | | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1204130AB | 02/10/2012 15:11 | Jeffrey B Smith | 10 |

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# Analysis Report



**Sample Description:** VW5 Air
Summa Can# 539
Avery Dennison / Flowery Branch, GA

**LLI Sample #** AQ 6536956
**LLI Group #** 1287512
**Account #** 06556

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 01/30/2012 12:08 by CP

Submitted: 02/01/2012 09:50
Reported: 02/13/2012 23:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 410 | | 50 | 970 | | 120 | 100 |
| 05298 | Benzene | 71-43-2 | N.D. | | 20 | N.D. | | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 50 | N.D. | | 110 | 100 |
| 05298 | 2-Butanone | 78-93-3 | 120 | J | 50 | 350 | J | 150 | 100 |
| 05298 | Carbon Disulfide | 75-15-0 | 73 | J | 20 | 230 | J | 62 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 20 | N.D. | | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 20 | N.D. | | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 20 | N.D. | | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 20 | N.D. | | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 800 | | 20 | 3,200 | | 81 | 100 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 20 | N.D. | | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 51,000 | | 200 | 200,000 | | 790 | 1000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 20 | N.D. | | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | N.D. | | 20 | N.D. | | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | N.D. | | 20 | N.D. | | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 47 | J | 20 | 160 | J | 69 | 100 |
| 05298 | Octane | 111-65-9 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Pentane | 109-66-0 | N.D. | | 20 | N.D. | | 59 | 100 |
| 05298 | Styrene | 100-42-5 | N.D. | | 20 | N.D. | | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 20 | N.D. | | 140 | 100 |

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# Analysis Report



**Sample Description: VW5 Air**
**Summa Can# 539**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6536956**
**LLI Group # 1287512**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 01/30/2012 12:08 by CP

Submitted: 02/01/2012 09:50
Reported: 02/13/2012 23:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 42 | J | 20 | 160 | J | 75 | 100 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 6,400 | | 200 | 35,000 | | 1,100 | 1000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | 42 | J | 20 | 230 | J | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 20 | N.D. | | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 20 | N.D. | | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 20 | N.D. | | 87 | 100 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1204130AB | 02/10/2012 15:59 | Jeffrey B Smith | 100 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1204130AB | 02/10/2012 16:43 | Jeffrey B Smith | 1000 |

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# Analysis Report



**Sample Description:** SVE6 Air
Summa Can# 553
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6536957**
**LLI Group # 1287512**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 01/30/2012 12:00 by CP

Submitted: 02/01/2012 09:50
Reported: 02/13/2012 23:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | Acetone | 67-64-1 | N.D. | 5.0 | N.D. | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | 2.0 | N.D. | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | 2.0 | N.D. | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | 2.0 | N.D. | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | 2.0 | N.D. | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | 2.0 | N.D. | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | 5.0 | N.D. | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | 5.0 | N.D. | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | 2.0 | N.D. | 6.2 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | 2.0 | N.D. | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | 2.0 | N.D. | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | 2.0 | N.D. | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | 2.0 | N.D. | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | 2.0 | N.D. | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | 2.0 | N.D. | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | 2.0 | N.D. | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | 2.0 | N.D. | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | 2.0 | N.D. | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 2.0 | N.D. | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 2.0 | N.D. | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 2.0 | N.D. | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | 2.0 | N.D. | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 13 | 2.0 | 54 | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | 2.0 | N.D. | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 310 | 2.0 | 1,200 | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | 2.0 | N.D. | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 2.0 | N.D. | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | 2.0 | N.D. | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | 2.0 | N.D. | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | 2.0 | N.D. | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | 2.0 | N.D. | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | 2.0 | N.D. | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | 5.0 | N.D. | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | 2.0 | N.D. | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | 2.0 | N.D. | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | 2.0 | N.D. | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | 2.0 | N.D. | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | 5.0 | N.D. | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | 2.0 | N.D. | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | 2.0 | N.D. | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | N.D. | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | 2.0 | N.D. | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | 2.0 | N.D. | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | 37 | 2.0 | 110 | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | 2.0 | N.D. | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | 2.0 | N.D. | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | 2.0 | N.D. | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | 2.0 | N.D. | 14 | 10 |

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# Analysis Report



**Sample Description: SVE6 Air**
**Summa Can# 553**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6536957**
**LLI Group # 1287512**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 01/30/2012 12:00 by CP

Submitted: 02/01/2012 09:50
Reported: 02/13/2012 23:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 2.6 | J | 2.0 | 9.7 | J | 7.5 | 10 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 16 | | 2.0 | 87 | | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 2.3 | J | 2.0 | 13 | J | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 2.0 | N.D. | | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1204130AB | 02/10/2012 17:28 | Jeffrey B Smith | 10 |

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# Analysis Report



**Sample Description: MP05 Air**
**Summa Can# 15**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6536958**
**LLI Group # 1287512**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 01/30/2012 11:47 by CP

Submitted: 02/01/2012 09:50
Reported: 02/13/2012 23:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 3.7 | | 0.50 | 8.8 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | N.D. | | 0.20 | N.D. | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 0.83 | J | 0.50 | 2.4 | J | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 0.41 | J | 0.20 | 1.3 | J | 0.62 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 0.51 | J | 0.20 | 1.8 | J | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 0.42 | J | 0.20 | 0.87 | J | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 2.0 | | 0.20 | 9.8 | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.51 | J | 0.20 | 2.5 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 54 | | 0.20 | 220 | | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 0.20 | N.D. | | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.28 | J | 0.20 | 0.82 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 0.86 | J | 0.20 | 5.8 | J | 1.4 | 1 |

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# Analysis Report



**Sample Description: MP05 Air**
**Summa Can# 15**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6536958**
**LLI Group # 1287512**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 01/30/2012 11:47 by CP

Submitted: 02/01/2012 09:50
Reported: 02/13/2012 23:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | N.D. | | 0.20 | N.D. | | 0.75 | 1 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 0.21 | J | 0.20 | 1.2 | J | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 1.6 | | 0.20 | 8.8 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 0.21 | J | 0.20 | 1.0 | J | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 0.59 | J | 0.20 | 2.6 | J | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 0.35 | J | 0.20 | 1.5 | J | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1204130AB | 02/11/2012 01:17 | Jeffrey B Smith | 1 |

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# Analysis Report



**Sample Description: MW65S Air**
**Summa Can# 1029**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6536959**
**LLI Group # 1287512**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 01/30/2012 12:16 by CP

Submitted: 02/01/2012 09:50
Reported: 02/13/2012 23:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 870 | | 50 | 2,100 | | 120 | 100 |
| 05298 | Benzene | 71-43-2 | N.D. | | 20 | N.D. | | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 50 | N.D. | | 110 | 100 |
| 05298 | 2-Butanone | 78-93-3 | 110 | J | 50 | 320 | J | 150 | 100 |
| 05298 | Carbon Disulfide | 75-15-0 | 130 | | 20 | 410 | | 62 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 20 | N.D. | | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 20 | N.D. | | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 20 | N.D. | | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 20 | N.D. | | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 300 | | 20 | 1,200 | | 81 | 100 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 20 | N.D. | | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 110,000 | | 500 | 450,000 | | 2,000 | 2500 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 20 | N.D. | | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | N.D. | | 20 | N.D. | | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | N.D. | | 20 | N.D. | | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 130 | | 20 | 440 | | 69 | 100 |
| 05298 | Octane | 111-65-9 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Pentane | 109-66-0 | 21 | J | 20 | 62 | J | 59 | 100 |
| 05298 | Styrene | 100-42-5 | N.D. | | 20 | N.D. | | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | 21 | J | 20 | 140 | J | 140 | 100 |

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# Analysis Report



**Sample Description: MW65S Air**
**Summa Can# 1029**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6536959**
**LLI Group # 1287512**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 01/30/2012 12:16 by CP

Submitted: 02/01/2012 09:50
Reported: 02/13/2012 23:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 100 | | 20 | 390 | | 75 | 100 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 12,000 | | 200 | 67,000 | | 1,100 | 1000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | 26 | J | 20 | 140 | J | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 20 | N.D. | | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 20 | N.D. | | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 20 | N.D. | | 87 | 100 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1204130AB | 02/10/2012 19:00 | Jeffrey B Smith | 100 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1204130AB | 02/10/2012 19:45 | Jeffrey B Smith | 1000 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1204130AB | 02/11/2012 02:02 | Jeffrey B Smith | 2500 |

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# Analysis Report



**Sample Description: Undiluted Air**
**Summa Can# 1082**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6536960**
**LLI Group # 1287512**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 01/30/2012 12:40 by CP

Submitted: 02/01/2012 09:50
Reported: 02/13/2012 23:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 8.8 | J | 5.0 | 21 | J | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 5.0 | N.D. | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 2.0 | N.D. | | 6.2 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 3.1 | J | 2.0 | 13 | J | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 220 | | 2.0 | 870 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | 2.8 | J | 2.0 | 9.7 | J | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | 210 | | 2.0 | 630 | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |

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# Analysis Report



**Sample Description: Undiluted Air**
**Summa Can# 1082**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6536960**
**LLI Group # 1287512**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 01/30/2012 12:40 by CP

Submitted: 02/01/2012 09:50
Reported: 02/13/2012 23:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 20 | 2.0 | 75 | 7.5 | 10 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 100 | 2.0 | 560 | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 2.0 | N.D. | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 2.0 | N.D. | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 2.0 | N.D. | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 2.0 | N.D. | 8.7 | 10 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1203830AC | 02/09/2012 19:02 | Jeffrey B Smith | 10 |

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# Analysis Report



**Sample Description:** Blower Air
Summa Can# 888
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6536961**
**LLI Group # 1287512**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 01/30/2012 12:43 by CP

Submitted: 02/01/2012 09:50
Reported: 02/13/2012 23:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | N.D. | | 5.0 | N.D. | | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 5.0 | N.D. | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 2.0 | N.D. | | 6.2 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 3.4 | J | 2.0 | 14 | J | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 240 | | 2.0 | 950 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 2.0 | N.D. | | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |

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# Analysis Report



**Sample Description: Blower Air**
**Summa Can# 888**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6536961**
**LLI Group # 1287512**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 01/30/2012 12:43 by CP

Submitted: 02/01/2012 09:50
Reported: 02/13/2012 23:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 16 | 2.0 | 62 | 7.5 | 10 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 110 | 2.0 | 580 | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 2.0 | N.D. | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 2.0 | N.D. | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 2.0 | N.D. | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 2.0 | N.D. | 8.7 | 10 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1203830AC | 02/09/2012 22:45 | Jeffrey B Smith | 10 |

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# Analysis Report



**Sample Description: MP10 Air**
**Summa Can# 21**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6536962**
**LLI Group # 1287512**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 01/30/2012 12:30 by CP

Submitted: 02/01/2012 09:50
Reported: 02/13/2012 23:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 43 | | 10 | 100 | | 24 | 20 |
| 05298 | Benzene | 71-43-2 | N.D. | | 4.0 | N.D. | | 13 | 20 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 4.0 | N.D. | | 26 | 20 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 4.0 | N.D. | | 41 | 20 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 10 | N.D. | | 22 | 20 |
| 05298 | 2-Butanone | 78-93-3 | 25 | J | 10 | 75 | J | 29 | 20 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 4.0 | N.D. | | 12 | 20 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 4.0 | N.D. | | 25 | 20 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 4.0 | N.D. | | 11 | 20 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 4.0 | N.D. | | 8.3 | 20 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 4.0 | N.D. | | 13 | 20 |
| 05298 | Cumene | 98-82-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 4.0 | N.D. | | 34 | 20 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 4.0 | N.D. | | 31 | 20 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 4.0 | N.D. | | 28 | 20 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 30 | | 4.0 | 120 | | 16 | 20 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 68 | | 4.0 | 270 | | 16 | 20 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 10 | N.D. | | 77 | 20 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 4.0 | N.D. | | 28 | 20 |
| 05298 | Heptane | 142-82-5 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 4.0 | N.D. | | 39 | 20 |
| 05298 | Hexane | 110-54-3 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 10 | N.D. | | 41 | 20 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 4.0 | N.D. | | 19 | 20 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 10 | N.D. | | 41 | 20 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | Octane | 111-65-9 | N.D. | | 4.0 | N.D. | | 19 | 20 |
| 05298 | Pentane | 109-66-0 | N.D. | | 4.0 | N.D. | | 12 | 20 |
| 05298 | Styrene | 100-42-5 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 4.0 | N.D. | | 27 | 20 |

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# Analysis Report



**Sample Description: MP10 Air**
**Summa Can# 21**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6536962**
**LLI Group # 1287512**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 01/30/2012 12:30 by CP

Submitted: 02/01/2012 09:50
Reported: 02/13/2012 23:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | Toluene | 108-88-3 | N.D. | 4.0 | N.D. | 15 | 20 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 430 | 4.0 | 2,400 | 22 | 20 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 4.0 | N.D. | 22 | 20 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 4.0 | N.D. | 21 | 20 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 4.0 | N.D. | 22 | 20 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 4.0 | N.D. | 24 | 20 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 4.0 | N.D. | 20 | 20 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 4.0 | N.D. | 20 | 20 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 4.0 | N.D. | 10 | 20 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 4.0 | N.D. | 17 | 20 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 4.0 | N.D. | 17 | 20 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1203830AC | 02/09/2012 20:31 | Jeffrey B Smith | 20 |

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# Analysis Report



**Sample Description: MP02 Air**
**Summa Can# 146**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6536963**
**LLI Group # 1287512**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 01/30/2012 12:32 by CP

Submitted: 02/01/2012 09:50
Reported: 02/13/2012 23:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 3,000 | | 100 | 7,200 | | 240 | 200 |
| 05298 | Benzene | 71-43-2 | N.D. | | 4.0 | N.D. | | 13 | 20 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 4.0 | N.D. | | 26 | 20 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 4.0 | N.D. | | 41 | 20 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 10 | N.D. | | 22 | 20 |
| 05298 | 2-Butanone | 78-93-3 | 2,500 | | 100 | 7,400 | | 290 | 200 |
| 05298 | Carbon Disulfide | 75-15-0 | 4.5 | J | 4.0 | 14 | J | 12 | 20 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 4.0 | N.D. | | 25 | 20 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 4.0 | N.D. | | 11 | 20 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 4.0 | N.D. | | 8.3 | 20 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 4.0 | N.D. | | 13 | 20 |
| 05298 | Cumene | 98-82-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 4.0 | N.D. | | 34 | 20 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 4.0 | N.D. | | 31 | 20 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 4.0 | N.D. | | 28 | 20 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 33 | | 4.0 | 130 | | 16 | 20 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 1,700 | | 40 | 6,600 | | 160 | 200 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 10 | N.D. | | 77 | 20 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 4.0 | N.D. | | 28 | 20 |
| 05298 | Heptane | 142-82-5 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 4.0 | N.D. | | 39 | 20 |
| 05298 | Hexane | 110-54-3 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 10 | N.D. | | 41 | 20 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 4.0 | N.D. | | 19 | 20 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | 11 | J | 10 | 44 | J | 41 | 20 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | Octane | 111-65-9 | N.D. | | 4.0 | N.D. | | 19 | 20 |
| 05298 | Pentane | 109-66-0 | 11 | J | 4.0 | 34 | J | 12 | 20 |
| 05298 | Styrene | 100-42-5 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 4.0 | N.D. | | 27 | 20 |

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# Analysis Report



**Sample Description: MP02 Air**
**Summa Can# 146**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6536963**
**LLI Group # 1287512**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 01/30/2012 12:32 by CP

Submitted: 02/01/2012 09:50
Reported: 02/13/2012 23:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | N.D. | | 4.0 | N.D. | | 15 | 20 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 730 | | 4.0 | 4,000 | | 22 | 20 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 4.0 | N.D. | | 22 | 20 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 4.0 | N.D. | | 21 | 20 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 4.0 | N.D. | | 22 | 20 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Vinyl Chloride | 75-01-4 | 5.8 | J | 4.0 | 15 | J | 10 | 20 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 4.0 | N.D. | | 17 | 20 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1203830AC | 02/09/2012 21:16 | Jeffrey B Smith | 20 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1203830AC | 02/10/2012 02:37 | Jeffrey B Smith | 200 |

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# Analysis Report



**Sample Description:** SVE2 Air
Summa Can# 32
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6536964**
**LLI Group # 1287512**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 01/30/2012 12:21 by CP

Submitted: 02/01/2012 09:50
Reported: 02/13/2012 23:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 680 | | 50 | 1,600 | | 120 | 100 |
| 05298 | Benzene | 71-43-2 | 66 | J | 20 | 210 | J | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 50 | N.D. | | 110 | 100 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 50 | N.D. | | 150 | 100 |
| 05298 | Carbon Disulfide | 75-15-0 | 480 | | 20 | 1,500 | | 62 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 20 | N.D. | | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 20 | N.D. | | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 20 | N.D. | | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 20 | N.D. | | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 370 | | 20 | 1,500 | | 81 | 100 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 20 | N.D. | | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 6,700 | | 200 | 27,000 | | 790 | 1000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | 32 | J | 20 | 140 | J | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | N.D. | | 20 | N.D. | | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | 35 | J | 20 | 120 | J | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 200 | | 20 | 690 | | 69 | 100 |
| 05298 | Octane | 111-65-9 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Pentane | 109-66-0 | 29 | J | 20 | 85 | J | 59 | 100 |
| 05298 | Styrene | 100-42-5 | 44 | J | 20 | 190 | J | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 20 | N.D. | | 140 | 100 |

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# Analysis Report



**Sample Description:** SVE2 Air
Summa Can# 32
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6536964**
**LLI Group # 1287512**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 01/30/2012 12:21 by CP

Submitted: 02/01/2012 09:50
Reported: 02/13/2012 23:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 6,000 | | 20 | 23,000 | | 75 | 100 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 3,600 | | 20 | 20,000 | | 110 | 100 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | 35 | J | 20 | 190 | J | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 20 | N.D. | | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | 94 | J | 20 | 410 | J | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | 37 | J | 20 | 160 | J | 87 | 100 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1203830AC | 02/10/2012 00:17 | Jeffrey B Smith | 100 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1203830AC | 02/10/2012 03:22 | Jeffrey B Smith | 1000 |

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# Analysis Report



**Sample Description: MP06 Air**
**Summa Can# 84**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6536965**
**LLI Group # 1287512**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 01/30/2012 12:03 by CP

Submitted: 02/01/2012 09:50
Reported: 02/13/2012 23:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 5.5 | J | 5.0 | 13 | J | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 5.0 | N.D. | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 2.0 | N.D. | | 6.2 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 22 | | 2.0 | 88 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 2.0 | N.D. | | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | 140 | | 2.0 | 420 | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |

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# Analysis Report



**Sample Description: MP06 Air**
**Summa Can# 84**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6536965**
**LLI Group # 1287512**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 01/30/2012 12:03 by CP

Submitted: 02/01/2012 09:50
Reported: 02/13/2012 23:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 2.6 | J | 2.0 | 9.7 | J | 7.5 | 10 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 7.1 | J | 2.0 | 39 | J | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 2.0 | N.D. | | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1203830AC | 02/10/2012 04:52 | Jeffrey B Smith | 10 |

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# Analysis Report



**Sample Description: MP07 Air**
**Summa Can# 404**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6536966**
**LLI Group # 1287512**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 01/30/2012 12:06 by CP

Submitted: 02/01/2012 09:50
Reported: 02/13/2012 23:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | N.D. | | 5.0 | N.D. | | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 5.0 | N.D. | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 2.0 | N.D. | | 6.2 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 5.3 | J | 2.0 | 22 | J | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 560 | | 2.0 | 2,200 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | 3.2 | J | 2.0 | 11 | J | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | 3.5 | J | 2.0 | 10 | J | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |

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# Analysis Report



**Sample Description: MP07 Air**
**Summa Can# 404**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6536966**
**LLI Group # 1287512**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 01/30/2012 12:06 by CP

Submitted: 02/01/2012 09:50
Reported: 02/13/2012 23:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 35 | 2.0 | 130 | 7.5 | 10 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 230 | 2.0 | 1,300 | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 2.0 | N.D. | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 2.0 | N.D. | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 2.0 | N.D. | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 2.0 | N.D. | 8.7 | 10 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1203830AC | 02/10/2012 05:37 | Jeffrey B Smith | 10 |

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# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1287512
Reported: 02/13/12 at 11:11 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

## Laboratory Compliance Quality Control

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: D1203430AA | Sample number(s): 6536948,6536952,6536954 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 84 | 87 | 67-138 | 4 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 81 | 79 | 70-130 | 1 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 88 | 86 | 70-138 | 2 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 86 | 86 | 71-150 | 0 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 96 | 101 | 70-130 | 5 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 89 | 84 | 60-135 | 6 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 72 | 73 | 66-129 | 2 | 25 |
| Carbon Disulfide | N.D. | 0.20 | ppb(v) | 76 | 80 | 56-106 | 5 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 90 | 90 | 70-130 | 0 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 76 | 77 | 70-130 | 1 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 82 | 84 | 71-129 | 2 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 82 | 81 | 70-130 | 1 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 95 | 93 | 58-129 | 2 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 82 | 83 | 68-138 | 1 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 79 | 78 | 71-135 | 1 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 78 | 80 | 71-143 | 2 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 77 | 78 | 68-136 | 1 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 77 | 78 | 67-140 | 1 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 107 | 110 | 72-140 | 2 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 82 | 85 | 66-126 | 3 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 92 | 91 | 70-130 | 2 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 84 | 85 | 64-117 | 1 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 76 | 77 | 69-120 | 2 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 81 | 82 | 67-121 | 2 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 73 | 72 | 70-130 | 2 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 76 | 74 | 67-134 | 2 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 73 | 75 | 67-134 | 2 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 80 | 80 | 70-130 | 0 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 72 | 72 | 69-135 | 0 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 80 | 81 | 67-115 | 1 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 93 | 94 | 66-120 | 1 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 77 | 74 | 60-125 | 3 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 71 | 75 | 62-120 | 5 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 75 | 79 | 54-166 | 5 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 73 | 74 | 64-124 | 2 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 80 | 79 | 61-145 | 0 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 78 | 80 | 70-130 | 2 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1287512
Reported: 02/13/12 at 11:11 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 79 | 79 | 70-139 | 0 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 75 | 75 | 67-145 | 0 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 79 | 81 | 70-130 | 2 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 78 | 78 | 70-130 | 0 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 86 | 87 | 70-130 | 1 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 80 | 80 | 68-128 | 0 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 88 | 87 | 70-130 | 1 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 109 | 109 | 70-130 | 0 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 74 | 74 | 69-138 | 1 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 77 | 77 | 71-142 | 0 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 96 | 99 | 70-130 | 3 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 88 | 87 | 70-130 | 1 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 85 | 83 | 70-130 | 2 | 25 |
| Batch number: D1203830AB | Sample number(s): 6536945-6536946,6536950,6536953 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 96 | 93 | 67-138 | 4 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 106 | 94 | 70-130 | 12 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 106 | 94 | 70-138 | 12 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 117 | 98 | 71-150 | 17 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 103 | 101 | 70-130 | 2 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 103 | 103 | 60-135 | 0 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 99 | 95 | 66-129 | 4 | 25 |
| Carbon Disulfide | N.D. | 0.20 | ppb(v) | 80 | 79 | 56-106 | 1 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 98 | 97 | 70-130 | 1 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 107 | 91 | 70-130 | 16 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 103 | 102 | 71-129 | 1 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 93 | 91 | 70-130 | 2 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 99 | 97 | 58-129 | 2 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 111 | 94 | 68-138 | 17 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 110 | 94 | 71-135 | 16 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 105 | 89 | 71-143 | 17 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 103 | 88 | 68-136 | 16 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 104 | 88 | 67-140 | 17 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 105 | 103 | 72-140 | 2 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 97 | 94 | 66-126 | 3 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 106 | 95 | 70-130 | 10 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 90 | 89 | 64-117 | 1 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 94 | 94 | 69-120 | 1 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 91 | 90 | 67-121 | 1 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 98 | 87 | 70-130 | 12 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 110 | 99 | 67-134 | 10 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 107 | 91 | 67-134 | 16 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 115 | 96 | 70-130 | 18 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 113 | 93 | 69-135 | 20 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 91 | 89 | 67-115 | 2 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 92 | 90 | 66-120 | 3 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 103 | 93 | 60-125 | 10 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1287512
Reported: 02/13/12 at 11:11 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Hexane | N.D. | 0.20 | ppb(v) | 94 | 92 | 62-120 | 2 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 104 | 85 | 54-166 | 20 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 98 | 94 | 64-124 | 4 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 112 | 99 | 61-145 | 13 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 91 | 92 | 70-130 | 1 | 25 |
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 119 | 99 | 70-139 | 18 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 108 | 89 | 67-145 | 19 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 105 | 88 | 70-130 | 17 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 112 | 93 | 70-130 | 18 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 95 | 94 | 70-130 | 1 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 109 | 92 | 68-128 | 17 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 100 | 92 | 70-130 | 8 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 101 | 100 | 70-130 | 1 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 111 | 93 | 69-138 | 18 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 119 | 99 | 71-142 | 19 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 109 | 107 | 70-130 | 2 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 127 | 106 | 70-130 | 19 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 122 | 102 | 70-130 | 18 | 25 |
| Batch number: D1203830AC | Sample number(s): 6536945,6536947,6536949,6536951,6536953,6536960-6536966 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 96 | 93 | 67-138 | 4 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 106 | 94 | 70-130 | 12 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 106 | 94 | 70-138 | 12 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 117 | 98 | 71-150 | 17 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 103 | 101 | 70-130 | 2 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 103 | 103 | 60-135 | 0 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 99 | 95 | 66-129 | 4 | 25 |
| Carbon Disulfide | N.D. | 0.20 | ppb(v) | 80 | 79 | 56-106 | 1 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 98 | 97 | 70-130 | 1 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 107 | 91 | 70-130 | 16 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 103 | 102 | 71-129 | 1 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 93 | 91 | 70-130 | 2 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 99 | 97 | 58-129 | 2 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 111 | 94 | 68-138 | 17 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 110 | 94 | 71-135 | 16 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 105 | 89 | 71-143 | 17 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 103 | 88 | 68-136 | 16 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 104 | 88 | 67-140 | 17 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 105 | 103 | 72-140 | 2 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 97 | 94 | 66-126 | 3 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 106 | 95 | 70-130 | 10 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 90 | 89 | 64-117 | 1 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 94 | 94 | 69-120 | 1 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 91 | 90 | 67-121 | 1 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 98 | 87 | 70-130 | 12 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 110 | 99 | 67-134 | 10 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 107 | 91 | 67-134 | 16 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1287512
Reported: 02/13/12 at 11:11 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 115 | 96 | 70-130 | 18 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 113 | 93 | 69-135 | 20 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 91 | 89 | 67-115 | 2 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 92 | 90 | 66-120 | 3 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 103 | 93 | 60-125 | 10 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 94 | 92 | 62-120 | 2 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 104 | 85 | 54-166 | 20 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 98 | 94 | 64-124 | 4 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 112 | 99 | 61-145 | 13 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 91 | 92 | 70-130 | 1 | 25 |
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 119 | 99 | 70-139 | 18 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 108 | 89 | 67-145 | 19 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 105 | 88 | 70-130 | 17 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 112 | 93 | 70-130 | 18 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 95 | 94 | 70-130 | 1 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 109 | 92 | 68-128 | 17 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 100 | 92 | 70-130 | 8 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 101 | 100 | 70-130 | 1 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 111 | 93 | 69-138 | 18 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 119 | 99 | 71-142 | 19 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 109 | 107 | 70-130 | 2 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 127 | 106 | 70-130 | 19 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 122 | 102 | 70-130 | 18 | 25 |
| Batch number: D1204130AB | Sample number(s): 6536955-6536959 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 91 | 89 | 67-138 | 2 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 91 | 92 | 70-130 | 1 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 95 | 95 | 70-138 | 1 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 100 | 99 | 71-150 | 1 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 104 | 104 | 70-130 | 0 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 96 | 98 | 60-135 | 2 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 85 | 85 | 66-129 | 0 | 25 |
| Carbon Disulfide | N.D. | 0.20 | ppb(v) | 80 | 82 | 56-106 | 3 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 95 | 94 | 70-130 | 1 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 92 | 91 | 70-130 | 2 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 99 | 101 | 71-129 | 2 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 92 | 91 | 70-130 | 0 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 104 | 97 | 58-129 | 6 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 95 | 94 | 68-138 | 1 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 91 | 92 | 71-135 | 0 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 89 | 86 | 71-143 | 3 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 86 | 84 | 68-136 | 2 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 87 | 84 | 67-140 | 3 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 106 | 106 | 72-140 | 0 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 93 | 95 | 66-126 | 2 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 97 | 93 | 70-130 | 4 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 86 | 89 | 64-117 | 3 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1287512
Reported: 02/13/12 at 11:11 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 83 | 86 | 69-120 | 4 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 87 | 89 | 67-121 | 2 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 86 | 84 | 70-130 | 2 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 92 | 92 | 67-134 | 1 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 86 | 87 | 67-134 | 1 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 94 | 93 | 70-130 | 2 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 90 | 89 | 69-135 | 2 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 90 | 89 | 67-115 | 0 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 91 | 91 | 66-120 | 0 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 92 | 90 | 60-125 | 2 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 89 | 89 | 62-120 | 0 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 78 | 78 | 54-166 | 1 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 85 | 89 | 64-124 | 4 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 91 | 89 | 61-145 | 1 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 88 | 91 | 70-130 | 3 | 25 |
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 99 | 98 | 70-139 | 1 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 88 | 85 | 67-145 | 4 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 87 | 86 | 70-130 | 0 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 95 | 93 | 70-130 | 1 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 91 | 91 | 70-130 | 0 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 91 | 92 | 68-128 | 1 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 90 | 91 | 70-130 | 1 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 102 | 101 | 70-130 | 1 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 89 | 87 | 69-138 | 3 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 97 | 95 | 71-142 | 2 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 104 | 106 | 70-130 | 2 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 107 | 104 | 70-130 | 2 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 100 | 98 | 70-130 | 2 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Lancaster Laboratories Inc
2425 New Holland Pike
Lancaster, PA 17601
Tel: (717) 656-2300

# TO-15 External Chain of Custody Record/Field Test Data Sheets

A6556 / 1287512 / 6536945-66

Lancaster Laboratories

| | | | |
|---|---|---|---|
| **Client Contact Information** | **Project Manager:** Todd Hall | **Carrier:** | 1 of 4 COCs |
| Company: Roadrunner Express Inc. | **Phone:** 802-229-4600 | **Samplers Name(s)** Calvin Pruitt | **Analysis** / **Matrix** |
| Address: 3945 Thurmond Tanner Road, , | **Site Contact:** | | |
| City/State/Zip: Flowery Branch,GA 30542 | Nathan Williams | | |
| Phone: 770-967-6501 | | | |
| FAX: | | | |
| Project Name: Avery Dennison / Flowery Branch, GA | **Analysis Turnaround Time** | | |
| Site: | Standard (Specify) ✓ | | |
| PO # : | Rush (Specify) | | |

| Sample Identification | Sample Date(s) | Time Start (24 hr clock) | Time Stop (24 hr clock) | Canister Pressure in Field ("Hg) (Start) | Canister Pressure in Field ("Hg) (Stop) | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Flow Reg. ID | Can ID | Can Size (L) | Controller Flowrate (ml/min) | TO-15 | Indoor Air | Ambient Air | Soil Gas | Sub Slab |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SVE 3 | 1/30/12 | 12:23 | | | | | | | 850 | 6 | | X | | | | |
| MP 11 | 1/30/12 | 12:35 | | | | | | | 873 | 6 | | X | | | | |
| MP 03 | " | 11:54 | | | | | | | 1084 | 6 | | X | | | | |
| SVE 4 | " | 12:26 | | | | | | | 890 | 6 | | X | | | | |
| MP 08 | " | 12:13 | | | | | | | 1021 | 6 | | X | | | | |
| VW 6 | " | 11:52 | | | | | | | 895 | 6 | | X | | | | |

| Temperature (Fahrenheit) | Ambient | Maximum | Minimum |
|---|---|---|---|
| Start | | | |
| Stop | | | |

| Pressure (inches of Hg) | Ambient | Maximum | Minimum |
|---|---|---|---|
| Start | | | |
| Stop | | | |

**Special Instructions/QC Requirements & Comments:**

| | | | |
|---|---|---|---|
| Canisters Shipped by: | Date/Time: 1/27/12 11:00 | Canisters Received by: Calvin Pruitt | Date/Time: 1/30 8:30am |
| Samples Relinquished by: Calvin Pruitt | Date/Time: 1/30/12 1:30pm | Received by: FedEx | Date/Time: |
| Relinquished by: | Date/Time: | Received by: Deloana Neal | Date/Time: 2/1/12 0950 |

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Lancaster, PA 17601
Tel: (717) 656-2300

# TO-15 External Chain of Custody Record/Field Test Data Sheets

Lancaster Laboratories

A6556 / 1287512 / 6536945-66

| | | | |
|---|---|---|---|
| **Client Contact Information** | **Project Manager:** | **Carrier:** | 2 of 4 COCs |
| Company: Roadrunner Express Inc. | **Phone:** | **Samplers Name(s)** | **Analysis** / **Matrix** |
| Address: 3945 Thurmond Tanner Road, , | **Site Contact:** | | |
| City/State/Zip: Flowery Branch,GA 30542 | | | |
| Phone: 770-967-6501 | | | |
| FAX: | | | |
| Project Name: Avery Dennison / Flowery Branch, GA | **Analysis Turnaround Time** | | |
| Site: | Standard (Specify) | | |
| PO # : | Rush (Specify) | | |

| Sample Identification | Sample Date(s) | Time Start (24 hr clock) | Time Stop (24 hr clock) | Canister Pressure in Field ("Hg) (Start) | Canister Pressure in Field ("Hg) (Stop) | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Flow Reg. ID | Can ID | Can Size (L) | Controller Flowrate (ml/min) | TO-15 | | | Indoor Air | Ambient Air | Soil Gas | Sub Slab |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MP 09 | 1/30/12 | 12:37 | | | | | | | 803 | 6 | | X | | | | | | |
| SVE 1 | 1/30/12 | 12:19 | | | | | | | 106 | 6 | | X | | | | | | |
| MW 64 | 1/30/12 | 12:10 | | | | | | | 855 | 6 | | X | | | | | | |
| MP 04 | 1/30/12 | 11:50 | | | | | | | 851 | 6 | | X | | | | | | |
| SVE 05 | 1/30/12 | 11:57 | | | | | | | 1022 | 6 | | X | | | | | | |
| VW 5 | 1/30/12 | 12:08 | | | | | | | 539 | 6 | | X | | | | | | |

| Temperature (Fahrenheit) | Ambient | Maximum | Minimum |
|---|---|---|---|
| Start | | | |
| Stop | | | |

| Pressure (inches of Hg) | Ambient | Maximum | Minimum |
|---|---|---|---|
| Start | | | |
| Stop | | | |

**Special Instructions/QC Requirements & Comments:**

| | | | |
|---|---|---|---|
| Canisters Shipped by: [illegible] | Date/Time: 1/31/12 11:20 | Canisters Received by: | Date/Time: |
| Samples Relinquished by: | Date/Time: | Received by: | Date/Time: |
| Relinquished by: | Date/Time: | Received by: Deborah Nesbitt | Date/Time: 2/1/12 0950 |

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Lancaster, PA 17601
Tel: (717) 656-2300

# TO-15 External Chain of Custody Record/Field Test Data Sheets

A6556 / 1287512 / 6536945-66

Lancaster Laboratories

| Client Contact Information | Project Manager: | Carrier: | 3 of 4 COCs |
|---|---|---|---|
| Company: Roadrunner Express Inc. | Phone: | Samplers Name(s) | Analysis / Matrix |
| Address: 3945 Thurmond Tanner Road, , | Site Contact: | | |
| City/State/Zip: Flowery Branch,GA 30542 | | | |
| Phone: 770-967-6501 | | | |
| FAX: | | | |
| Project Name: Avery Dennison / Flowery Branch, GA | Analysis Turnaround Time | | |
| Site: | Standard (Specify) | | |
| PO # : | Rush (Specify) | | |

| Sample Identification | Sample Date(s) | Time Start (24 hr clock) | Time Stop (24 hr clock) | Canister Pressure in Field ("Hg) (Start) | Canister Pressure in Field ("Hg) (Stop) | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Flow Reg. ID | Can ID | Can Size (L) | Controller Flowrate (ml/min) | TO-15 | | | Indoor Air | Ambient Air | Soil Gas | Sub Slab |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SVE 6 | 1/30/12 | 12:00 | | | | | | | 553 | 6 | | X | | | | | | |
| MP 05 | 1/30/12 | 11:47 | | | | | | | 15 | 6 | | X | | | | | | |
| MW 65S | 1/30/12 | 12:16 | | | | | | | 1029 | 6 | | X | | | | | | |
| Undiluted | 1/30/12 | 12:40 | | | | | | | 1082 | 6 | | X | | | | | | |
| Blower | 1/30/12 | 12:43 | | | | | | | 888 | 6 | | | | | | | | |
| MP 10 | 1/30/12 | 12:30 | | | | | | | 21 | 6 | | X | | | | | | |

| Temperature (Fahrenheit) | Ambient | Maximum | Minimum |
|---|---|---|---|
| Start | | | |
| Stop | | | |

| Pressure (inches of Hg) | Ambient | Maximum | Minimum |
|---|---|---|---|
| Start | | | |
| Stop | | | |

**Special Instructions/QC Requirements & Comments:**

| Canisters Shipped by: | Date/Time: | Canisters Received by: | Date/Time: |
|---|---|---|---|
| Samples Relinquished by: | Date/Time: | Received by: | Date/Time: |
| Relinquished by: | Date/Time: | Received by: Deborah Reed | Date/Time: 2/1/12 0950 |

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Tel: (717) 656-2300

# TO-15 External Chain of Custody Record/Field Test Data Sheets

A6556 / 1287512 / 6536945-66

Lancaster Laboratories

| Client Contact Information | Project Manager: Todd Hall | Carrier: | 4 of 4 COCs |
|---|---|---|---|
| Company: Roadrunner Express Inc. | Phone: 802-229-4600 | Samplers Name(s) | Analysis / Matrix |
| Address: 3945 Thurmond Tanner Road, . | Site Contact: | | |
| City/State/Zip: Flowery Branch,GA 30542 | | | |
| Phone: 770-967-6501 | | | |
| FAX: | | | |
| Project Name: Avery Dennison / Flowery Branch, GA | Analysis Turnaround Time | | |
| Site: | Standard (Specify) ✓ | | |
| PO # : | Rush (Specify) | | |

| Sample Identification | Sample Date(s) | Time Start (24 hr clock) | Time Stop (24 hr clock) | Canister Pressure in Field ("Hg) (Start) | Canister Pressure in Field ("Hg) (Stop) | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Flow Reg. ID | Can ID | Can Size (L) | Controller Flowrate (ml/min) | TO-15 | | | Indoor Air | Ambient Air | Soil Gas | Sub Slab |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MP 02 | 1/30/12 | 12:32 | | | | | | | 146 | 6 | | X | | | | | | |
| SVE 2 | 1/30/12 | 12:21 | | | | | | | 32 | 6 | | X | | | | | | |
| MP 06 | 1/30/12 | 12:03 | | | | | | | 84 | 6 | | X | | | | | | |
| MP 07 | 1/30/12 | 12:06 | | | | | | | 404 | 6 | | X | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |

| Temperature (Fahrenheit) | Ambient | Maximum | Minimum |
|---|---|---|---|
| Start | | | |
| Stop | | | |

| Pressure (inches of Hg) | Ambient | Maximum | Minimum |
|---|---|---|---|
| Start | | | |
| Stop | | | |

**Special Instructions/QC Requirements & Comments:**

| Canisters Shipped by: | Date/Time: 1/30/12 1100 | Canisters Received by: | Date/Time: |
|---|---|---|---|
| Samples Relinquished by: | Date/Time: | Received by: | Date/Time: |
| Relinquished by: | Date/Time: | Received by: Deborah Rosell | Date/Time: 2/1/12 0950 |

A6556/1287512/6536945-66

**Interim Soil Vapor Extraction System - System Data**
**Avery Dennison Facility, Flowery Branch, GA**

Date: 1-30-12 Field Representative(s): _____

| Sample Location | Time Collected | Cannister # | Starting Pressure | Final Pressure | Comments |
|---|---|---|---|---|---|
| MP-02 | 12:32 | 146 ✓ | | | |
| MP-03 | 11:54 | 1084 ✓ | | | |
| MP-04 | 11:50 | 851 ✓ | | | |
| MP-05 | 11:47 | 015 ✓ | | | |
| MP-06 | 12:03 | 084 ✓ | | | |
| MP-07 | 12:06 | 404 ✓ | | | |
| MP-08 | 12:13 | 1021 ✓ | | | |
| MP-09 | 12:37 | 803 ✓ | | | |
| MP-10 | 12:30 | 021 ✓ | | | |
| MP-11 | 12:35 | 873 ✓ | | | |
| VW-3 | OFF | OFF | | | |
| VW-5 | 12:08 | 539 ✓ | | | |
| VW-6 | 11:52 | 895 ✓ | | | |
| MW-64 | 12:10 | 8:55 ✓ | | | |
| MW-65s | 12:16 | 1029 ✓ | | | |
| SVE-1 | 12:19 | 106 ✓ | | | |
| SVE-2 | 12:21 | 032 ✓ | | | |
| SVE-3 | 12:23 | 850 ✓ | | | |
| SVE-4 | 12:26 | 890 ✓ | | | |
| SVE-5 | 11:57 | 1022 ✓ | | | |
| SVE-6 | 12:00 | 553 ✓ | | | |
| Undiluted | 12:40 | 1082 ✓ | | | |
| Blower Exhaust | 12:43 | 588 | | | |

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# Environmental Sample Administration
# Receipt Documentation Log

**Client/Project:** Avery Dennison

**Date of Receipt:** 2/1/12

**Time of Receipt:** 0950

**Source Code:** 60-1

**Shipping Container Sealed:** (YES) NO

**Custody Seal Present * :** YES (NO)

* Custody seal was intact unless otherwise noted in the discrepancy section

**Package:** Chilled (Not Chilled)

Temperature of Shipping Containers

| Cooler # | Thermometer ID | Temperature (°C) | Temp Bottle (TB) or Surface Temp (ST) | Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP) | Ice Present? Y/N | Loose (L) Bagged Ice (B) or NA | Comments |
|---|---|---|---|---|---|---|---|
| 1 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |

**Number of Trip Blanks received NOT listed on chain of custody:** Ø

**Paperwork Discrepancy/Unpacking Problems:**

+2 Flow Controllers

**Unpacker Signature/Emp#:** [signature] /208 **Date/Time:** 2/1/12 / 1010

Issued by Dept. 6042 Management

2174.06

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# Explanation of Symbols and Abbreviations

*The following defines common symbols and abbreviations used in reporting technical data:*

| | | | |
|---|---|---|---|
| **RL** | Reporting Limit | **BMQL** | Below Minimum Quantitation Level |
| **N.D.** | none detected | **MPN** | Most Probable Number |
| **TNTC** | Too Numerous To Count | **CP Units** | cobalt-chloroplatinate units |
| **IU** | International Units | **NTU** | nephelometric turbidity units |
| **umhos/cm** | micromhos/cm | **ng** | nanogram(s) |
| **C** | degrees Celsius | **F** | degrees Fahrenheit |
| **meq** | milliequivalents | **lb.** | pound(s) |
| **g** | gram(s) | **kg** | kilogram(s) |
| **µg** | microgram(s) | **mg** | milligram(s) |
| **mL** | milliliter(s) | **L** | liter(s) |
| **m3** | cubic meter(s) | **µL** | microliter(s) |
| | | **pg/L** | picogram/liter |

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**J** estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

*U.S. EPA CLP Data Qualifiers:*

**Organic Qualifiers**

| | |
|---|---|
| **A** | TIC is a possible aldol-condensation product |
| **B** | Analyte was also detected in the blank |
| **C** | Pesticide result confirmed by GC/MS |
| **D** | Compound quantitated on a diluted sample |
| **E** | Concentration exceeds the calibration range of the instrument |
| **N** | Presumptive evidence of a compound (TICs only) |
| **P** | Concentration difference between primary and confirmation columns >25% |
| **U** | Compound was not detected |
| **X,Y,Z** | Defined in case narrative |

**Inorganic Qualifiers**

| | |
|---|---|
| **B** | Value is <CRDL, but ≥IDL |
| **E** | Estimated due to interference |
| **M** | Duplicate injection precision not met |
| **N** | Spike sample not within control limits |
| **S** | Method of standard additions (MSA) used for calculation |
| **U** | Compound was not detected |
| **W** | Post digestion spike out of control limits |
| ***** | Duplicate analysis not within control limits |
| **+** | Correlation coefficient for MSA <0.995 |

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

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# Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

March 19, 2012

Project: Avery Dennison / Flowery Branch, GA

Submittal Date: 02/28/2012
Group Number: 1291899
PO Number: 1-0145-4
State of Sample Origin: GA

| Client Sample Description | Lancaster Labs (LLI) # |
|---|---|
| MP 11 Summa Can 943 Air | 6559951 |
| Undiluted Summa Can 991 Air | 6559952 |
| MP 03 Summa Can 939 Air | 6559953 |
| Blower Summa Can 984 Air | 6559954 |
| MP 04 Summa Can 942 Air | 6559955 |
| MW 64 Summa Can 1045 Air | 6559956 |
| MP 08 Summa Can 987 Air | 6559957 |
| VW 6 Summa Can 988 Air | 6559958 |
| MP 05 Summa Can 951 Air | 6559959 |
| MW 65S Summa Can 929 Air | 6559960 |
| MP 07 Summa Can 985 Air | 6559961 |
| SVE 3 Summa Can 979 Air | 6559962 |
| MP 06 Summa Can 971 Air | 6559963 |
| SVE 6 Summa Can 986 Air | 6559964 |
| VW-5 Summa Can 997 Air | 6559965 |
| SVE 4 Summa Can 958 Air | 6559966 |
| MP 10 Summa Can 989 Air | 6559967 |
| MP 02 Summa Can 946 Air | 6559968 |
| SVE 1 Summa Can 1061 Air | 6559969 |
| SVE 5 Summa Can 965 Air | 6559970 |
| SVE 2 Summa Can 1011 Air | 6559971 |
| MP 09 Summa Can 916 Air | 6559972 |

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

| | | |
|---|---|---|
| ELECTRONIC COPY TO | The Johnson Company, Inc. | Attn: Todd Hall |
| ELECTRONIC COPY TO | The Johnson Company, Inc. | Attn: Patrick Smart |

Respectfully Submitted,



Wendy A. Kozma
Principal Specialist Group Leader

(717) 556-7257

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2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

# Analysis Report



**Sample Description: MP 11 Summa Can 943 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6559951**
**LLI Group # 1291899**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 02/23/2012 16:01 by CP

Submitted: 02/28/2012 09:30
Reported: 03/19/2012 17:56

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 3,300 | | 50 | 7,800 | | 120 | 100 |
| 05298 | Benzene | 71-43-2 | N.D. | | 20 | N.D. | | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 50 | N.D. | | 110 | 100 |
| 05298 | 2-Butanone | 78-93-3 | 2,000 | | 50 | 6,000 | | 150 | 100 |
| 05298 | Carbon Disulfide | 75-15-0 | 380 | | 50 | 1,200 | | 160 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 20 | N.D. | | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 20 | N.D. | | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 20 | N.D. | | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 20 | N.D. | | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 33 | J | 20 | 130 | J | 81 | 100 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 20 | N.D. | | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 4,200 | | 20 | 17,000 | | 79 | 100 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 20 | N.D. | | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | N.D. | | 20 | N.D. | | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | 55 | J | 20 | 200 | J | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 94 | J | 20 | 330 | J | 69 | 100 |
| 05298 | Octane | 111-65-9 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Pentane | 109-66-0 | 150 | | 20 | 450 | | 59 | 100 |
| 05298 | Styrene | 100-42-5 | 45 | J | 20 | 190 | J | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Toluene | 108-88-3 | 68 | J | 20 | 260 | J | 75 | 100 |

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# Analysis Report



**Sample Description: MP 11 Summa Can 943 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6559951**
**LLI Group # 1291899**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 02/23/2012 16:01 by CP

Submitted: 02/28/2012 09:30
Reported: 03/19/2012 17:56

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 1,000 | | 20 | 5,700 | | 110 | 100 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | 86 | J | 20 | 460 | J | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 22 | J | 20 | 110 | J | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 20 | N.D. | | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | 29 | J | 20 | 130 | J | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 20 | N.D. | | 87 | 100 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1206130AB | 03/03/2012 23:30 | Michael A Ziegler | 100 |

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# Analysis Report



**Sample Description: Undiluted Summa Can 991 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6559952**
**LLI Group # 1291899**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 02/23/2012 15:53 by CP

Submitted: 02/28/2012 09:30
Reported: 03/19/2012 17:56

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 53 | | 10 | 130 | | 24 | 20 |
| 05298 | Benzene | 71-43-2 | 0.35 | J | 0.20 | 1.1 | J | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 8.5 | | 0.50 | 25 | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 1.2 | | 0.50 | 3.8 | | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 1.0 | | 0.20 | 3.7 | | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 0.91 | J | 0.20 | 1.9 | J | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 9.1 | | 0.20 | 45 | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | 0.51 | J | 0.20 | 3.0 | J | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | 0.50 | J | 0.20 | 3.0 | J | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | 0.56 | J | 0.20 | 3.4 | J | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.54 | J | 0.20 | 2.7 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 7.9 | | 0.20 | 32 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 0.30 | J | 0.20 | 1.2 | J | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 350 | | 4.0 | 1,400 | | 16 | 20 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 0.77 | J | 0.20 | 3.3 | J | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | 0.63 | J | 0.20 | 3.1 | J | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | 0.20 | J | 0.20 | 0.71 | J | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | 0.22 | J | 0.20 | 1.0 | J | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 0.99 | J | 0.20 | 3.5 | J | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | N.D. | | 0.20 | N.D. | | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | 0.23 | J | 0.20 | 0.96 | J | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 0.43 | J | 0.20 | 2.9 | J | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 57 | | 0.20 | 210 | | 0.75 | 1 |

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# Analysis Report



**Sample Description: Undiluted Summa Can 991 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6559952**
**LLI Group # 1291899**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 02/23/2012 15:53 by CP

Submitted: 02/28/2012 09:30
Reported: 03/19/2012 17:56

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 250 | | 4.0 | 1,400 | | 22 | 20 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | 0.26 | J | 0.20 | 1.4 | J | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 5.1 | | 0.20 | 29 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 2.8 | | 0.20 | 14 | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | 1.0 | | 0.20 | 5.2 | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 3.1 | | 0.20 | 13 | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 1.6 | | 0.20 | 6.8 | | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1206130AB | 03/04/2012 00:18 | Michael A Ziegler | 1 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1206130AC | 03/05/2012 09:23 | Michael A Ziegler | 20 |

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# Analysis Report



**Sample Description: MP 03 Summa Can 939 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6559953**
**LLI Group # 1291899**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 02/23/2012 14:51 by CP

Submitted: 02/28/2012 09:30
Reported: 03/19/2012 17:56

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 15 | J | 10 | 35 | J | 24 | 20 |
| 05298 | Benzene | 71-43-2 | N.D. | | 4.0 | N.D. | | 13 | 20 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 4.0 | N.D. | | 26 | 20 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 4.0 | N.D. | | 41 | 20 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 10 | N.D. | | 22 | 20 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 10 | N.D. | | 29 | 20 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 4.0 | N.D. | | 12 | 20 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 4.0 | N.D. | | 25 | 20 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 4.0 | N.D. | | 11 | 20 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 4.0 | N.D. | | 8.3 | 20 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 4.0 | N.D. | | 13 | 20 |
| 05298 | Cumene | 98-82-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 4.0 | N.D. | | 34 | 20 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 4.0 | N.D. | | 31 | 20 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 4.0 | N.D. | | 28 | 20 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 16 | J | 4.0 | 64 | J | 16 | 20 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 480 | | 4.0 | 1,900 | | 16 | 20 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 10 | N.D. | | 77 | 20 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 4.0 | N.D. | | 28 | 20 |
| 05298 | Heptane | 142-82-5 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 4.0 | N.D. | | 39 | 20 |
| 05298 | Hexane | 110-54-3 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 10 | N.D. | | 41 | 20 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 4.0 | N.D. | | 19 | 20 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 10 | N.D. | | 41 | 20 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | Octane | 111-65-9 | N.D. | | 4.0 | N.D. | | 19 | 20 |
| 05298 | Pentane | 109-66-0 | N.D. | | 4.0 | N.D. | | 12 | 20 |
| 05298 | Styrene | 100-42-5 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Toluene | 108-88-3 | 15 | J | 4.0 | 55 | J | 15 | 20 |

**Sample Description: MP 03 Summa Can 939 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6559953**
**LLI Group # 1291899**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 02/23/2012 14:51 by CP

Submitted: 02/28/2012 09:30
Reported: 03/19/2012 17:56

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 63 | 4.0 | 340 | 22 | 20 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 4.0 | N.D. | 22 | 20 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 4.0 | N.D. | 21 | 20 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 4.0 | N.D. | 22 | 20 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 4.0 | N.D. | 24 | 20 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 4.0 | N.D. | 20 | 20 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 4.0 | N.D. | 20 | 20 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 4.0 | N.D. | 10 | 20 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 4.0 | N.D. | 17 | 20 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 4.0 | N.D. | 17 | 20 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1206230AC | 03/05/2012 02:03 | Michael A Ziegler | 20 |

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# Analysis Report



**Sample Description:** Blower Summa Can 984 Air
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6559954**
**LLI Group # 1291899**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 02/23/2012 15:50 by CP

Submitted: 02/28/2012 09:30
Reported: 03/19/2012 17:56

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 15 | J | 5.0 | 35 | J | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 5.0 | N.D. | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 2.0 | N.D. | | 6.2 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 3.5 | J | 2.0 | 14 | J | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 230 | | 2.0 | 900 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 2.0 | N.D. | | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Toluene | 108-88-3 | 20 | | 2.0 | 75 | | 7.5 | 10 |

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# Analysis Report



**Sample Description: Blower Summa Can 984 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6559954**
**LLI Group # 1291899**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 02/23/2012 15:50 by CP

Submitted: 02/28/2012 09:30
Reported: 03/19/2012 17:56

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 160 | | 2.0 | 860 | | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 3.0 | J | 2.0 | 17 | J | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 2.0 | N.D. | | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1206230AC | 03/05/2012 07:17 | Jeffrey B Smith | 10 |

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# Analysis Report



**Sample Description: MP 04 Summa Can 942 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6559955**
**LLI Group # 1291899**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 02/23/2012 14:42 by CP

Submitted: 02/28/2012 09:30
Reported: 03/19/2012 17:56

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 28 | | 0.50 | 67 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | 0.43 | J | 0.20 | 1.4 | J | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 21 | | 0.50 | 61 | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 1.2 | | 0.20 | 3.7 | | 0.62 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 0.20 | N.D. | | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | 1.3 | | 0.20 | 6.4 | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 0.85 | J | 0.20 | 1.7 | J | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 12 | | 0.20 | 61 | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | 0.27 | J | 0.20 | 1.6 | J | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | 0.27 | J | 0.20 | 1.6 | J | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | 0.38 | J | 0.20 | 2.3 | J | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 1.0 | | 0.20 | 5.1 | | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 0.50 | J | 0.20 | 2.0 | J | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 4.4 | | 0.20 | 17 | | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 0.53 | J | 0.20 | 2.3 | J | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | 0.36 | J | 0.20 | 1.8 | J | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | 0.93 | J | 0.20 | 3.8 | J | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | 1.6 | | 0.20 | 5.6 | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | 0.45 | J | 0.20 | 2.1 | J | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 6.2 | | 0.20 | 21 | | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 8.2 | | 0.20 | 24 | | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 0.25 | J | 0.20 | 1.7 | J | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 2.1 | | 0.20 | 8.0 | | 0.75 | 1 |

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# Analysis Report



**Sample Description: MP 04 Summa Can 942 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6559955**
**LLI Group # 1291899**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 02/23/2012 14:42 by CP

Submitted: 02/28/2012 09:30
Reported: 03/19/2012 17:56

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 0.20 | J | 0.20 | 1.1 | J | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 5.4 | | 0.20 | 30 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 1.1 | | 0.20 | 5.6 | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | 0.43 | J | 0.20 | 2.1 | J | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 1.5 | | 0.20 | 6.5 | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 1.1 | | 0.20 | 5.0 | | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1206230AC | 03/05/2012 07:55 | Jeffrey B Smith | 1 |

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# Analysis Report



**Sample Description: MW 64 Summa Can 1045 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6559956**
**LLI Group # 1291899**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 02/23/2012 15:14 by CP

Submitted: 02/28/2012 09:30
Reported: 03/19/2012 17:56

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 1,000 | J | 500 | 2,400 | J | 1,200 | 1000 |
| 05298 | Benzene | 71-43-2 | N.D. | | 200 | N.D. | | 640 | 1000 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 200 | N.D. | | 2,100 | 1000 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 200 | N.D. | | 780 | 1000 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 500 | N.D. | | 1,100 | 1000 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 500 | N.D. | | 1,500 | 1000 |
| 05298 | Carbon Disulfide | 75-15-0 | 300 | J | 200 | 940 | J | 620 | 1000 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 200 | N.D. | | 710 | 1000 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 200 | N.D. | | 530 | 1000 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 200 | N.D. | | 410 | 1000 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 200 | N.D. | | 630 | 1000 |
| 05298 | Cumene | 98-82-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 200 | N.D. | | 1,700 | 1000 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 200 | N.D. | | 1,500 | 1000 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 200 | N.D. | | 990 | 1000 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 10,000 | | 200 | 42,000 | | 810 | 1000 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 200 | N.D. | | 810 | 1000 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 350,000 | | 5,000 | 1,400,000 | | 20,000 | 25000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 200 | N.D. | | 840 | 1000 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 200 | N.D. | | 870 | 1000 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 500 | N.D. | | 3,800 | 1000 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Heptane | 142-82-5 | N.D. | | 200 | N.D. | | 820 | 1000 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 200 | N.D. | | 1,900 | 1000 |
| 05298 | Hexane | 110-54-3 | N.D. | | 200 | N.D. | | 700 | 1000 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 200 | N.D. | | 720 | 1000 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Methylene Chloride | 75-09-2 | 760 | J | 200 | 2,600 | J | 690 | 1000 |
| 05298 | Octane | 111-65-9 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Pentane | 109-66-0 | N.D. | | 200 | N.D. | | 590 | 1000 |
| 05298 | Styrene | 100-42-5 | N.D. | | 200 | N.D. | | 850 | 1000 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Tetrachloroethene | 127-18-4 | 280 | J | 200 | 1,900 | J | 1,400 | 1000 |
| 05298 | Toluene | 108-88-3 | 4,700 | | 200 | 18,000 | | 750 | 1000 |

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# Analysis Report



**Sample Description: MW 64 Summa Can 1045 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6559956**
**LLI Group # 1291899**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 02/23/2012 15:14 by CP

Submitted: 02/28/2012 09:30
Reported: 03/19/2012 17:56

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 110,000 | | 5,000 | 600,000 | | 27,000 | 25000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 200 | N.D. | | 1,100 | 1000 |
| 05298 | Trichloroethene | 79-01-6 | 450 | J | 200 | 2,400 | J | 1,100 | 1000 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 200 | N.D. | | 1,100 | 1000 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Vinyl Chloride | 75-01-4 | 220 | J | 200 | 550 | J | 510 | 1000 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 200 | N.D. | | 870 | 1000 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 200 | N.D. | | 870 | 1000 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1206230AC | 03/05/2012 03:57 | Jeffrey B Smith | 1000 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1206230AC | 03/05/2012 12:26 | Michael A Ziegler | 25000 |

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# Analysis Report



**Sample Description: MP 08 Summa Can 987 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6559957**
**LLI Group # 1291899**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 02/23/2012 15:21 by CP

Submitted: 02/28/2012 09:30
Reported: 03/19/2012 17:56

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 17 | J | 10 | 41 | J | 24 | 20 |
| 05298 | Benzene | 71-43-2 | N.D. | | 4.0 | N.D. | | 13 | 20 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 4.0 | N.D. | | 26 | 20 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 4.0 | N.D. | | 41 | 20 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 10 | N.D. | | 22 | 20 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 10 | N.D. | | 29 | 20 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 4.0 | N.D. | | 12 | 20 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 4.0 | N.D. | | 25 | 20 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 4.0 | N.D. | | 11 | 20 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 4.0 | N.D. | | 8.3 | 20 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 4.0 | N.D. | | 13 | 20 |
| 05298 | Cumene | 98-82-8 | 10 | J | 4.0 | 50 | J | 20 | 20 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 4.0 | N.D. | | 34 | 20 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 4.0 | N.D. | | 31 | 20 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 4.0 | N.D. | | 28 | 20 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 570 | | 4.0 | 2,200 | | 16 | 20 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 10 | N.D. | | 77 | 20 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 4.0 | N.D. | | 28 | 20 |
| 05298 | Heptane | 142-82-5 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 4.0 | N.D. | | 39 | 20 |
| 05298 | Hexane | 110-54-3 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 10 | N.D. | | 41 | 20 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 4.0 | N.D. | | 19 | 20 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 10 | N.D. | | 41 | 20 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | Octane | 111-65-9 | N.D. | | 4.0 | N.D. | | 19 | 20 |
| 05298 | Pentane | 109-66-0 | N.D. | | 4.0 | N.D. | | 12 | 20 |
| 05298 | Styrene | 100-42-5 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Toluene | 108-88-3 | N.D. | | 4.0 | N.D. | | 15 | 20 |

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# Analysis Report



**Sample Description: MP 08 Summa Can 987 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6559957**
**LLI Group # 1291899**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 02/23/2012 15:21 by CP

Submitted: 02/28/2012 09:30
Reported: 03/19/2012 17:56

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 80 | | 4.0 | 430 | | 22 | 20 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 4.0 | N.D. | | 22 | 20 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 4.0 | N.D. | | 21 | 20 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 4.0 | J | 4.0 | 22 | J | 22 | 20 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 4.0 | N.D. | | 10 | 20 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 4.0 | N.D. | | 17 | 20 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1206230AC | 03/05/2012 04:35 | Jeffrey B Smith | 20 |

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# Analysis Report



**Sample Description: VW 6 Summa Can 988 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6559958**
**LLI Group # 1291899**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 02/23/2012 14:47 by CP

Submitted: 02/28/2012 09:30
Reported: 03/19/2012 17:56

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 13 | J | 10 | 31 | J | 24 | 20 |
| 05298 | Benzene | 71-43-2 | N.D. | | 4.0 | N.D. | | 13 | 20 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 4.0 | N.D. | | 26 | 20 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 4.0 | N.D. | | 41 | 20 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 10 | N.D. | | 22 | 20 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 10 | N.D. | | 29 | 20 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 4.0 | N.D. | | 12 | 20 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 4.0 | N.D. | | 25 | 20 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 4.0 | N.D. | | 11 | 20 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 4.0 | N.D. | | 8.3 | 20 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 4.0 | N.D. | | 13 | 20 |
| 05298 | Cumene | 98-82-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 4.0 | N.D. | | 34 | 20 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 4.0 | N.D. | | 31 | 20 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 4.0 | N.D. | | 28 | 20 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 38 | | 4.0 | 150 | | 16 | 20 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 1,900 | | 40 | 7,500 | | 160 | 200 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 10 | N.D. | | 77 | 20 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 4.0 | N.D. | | 28 | 20 |
| 05298 | Heptane | 142-82-5 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 4.0 | N.D. | | 39 | 20 |
| 05298 | Hexane | 110-54-3 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 10 | N.D. | | 41 | 20 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 4.0 | N.D. | | 19 | 20 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 10 | N.D. | | 41 | 20 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | Octane | 111-65-9 | N.D. | | 4.0 | N.D. | | 19 | 20 |
| 05298 | Pentane | 109-66-0 | N.D. | | 4.0 | N.D. | | 12 | 20 |
| 05298 | Styrene | 100-42-5 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Toluene | 108-88-3 | N.D. | | 4.0 | N.D. | | 15 | 20 |

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# Analysis Report



**Sample Description: VW 6 Summa Can 988 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6559958**
**LLI Group # 1291899**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 02/23/2012 14:47 by CP

Submitted: 02/28/2012 09:30
Reported: 03/19/2012 17:56

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 16 | J | 4.0 | 90 | J | 22 | 20 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 4.0 | N.D. | | 22 | 20 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 4.0 | N.D. | | 21 | 20 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 4.0 | N.D. | | 22 | 20 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 4.0 | N.D. | | 10 | 20 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 4.0 | N.D. | | 17 | 20 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1206630AA | 03/07/2012 14:15 | Michael A Ziegler | 20 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1206630AB | 03/07/2012 23:12 | Michael A Ziegler | 200 |

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# Analysis Report



**Sample Description: MP 05 Summa Can 951 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6559959**
**LLI Group # 1291899**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 02/23/2012 14:38 by CP

Submitted: 02/28/2012 09:30
Reported: 03/19/2012 17:56

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 15 | | 0.50 | 36 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | N.D. | | 0.20 | N.D. | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 3.9 | | 0.50 | 11 | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 0.81 | J | 0.20 | 2.5 | J | 0.62 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 0.77 | J | 0.20 | 2.7 | J | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 0.46 | J | 0.20 | 0.94 | J | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 12 | | 0.20 | 60 | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.56 | J | 0.20 | 2.7 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 0.21 | J | 0.20 | 0.85 | J | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 44 | | 0.20 | 170 | | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 0.25 | J | 0.20 | 1.1 | J | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | 0.25 | J | 0.20 | 1.2 | J | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | 0.23 | J | 0.20 | 0.81 | J | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | 0.22 | J | 0.20 | 1.0 | J | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 0.26 | J | 0.20 | 0.91 | J | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.83 | J | 0.20 | 2.4 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 0.38 | J | 0.20 | 1.4 | J | 0.75 | 1 |

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# Analysis Report



**Sample Description: MP 05 Summa Can 951 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6559959**
**LLI Group # 1291899**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 02/23/2012 14:38 by CP

Submitted: 02/28/2012 09:30
Reported: 03/19/2012 17:56

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 0.32 | J | 0.20 | 1.7 | J | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 3.6 | | 0.20 | 20 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 1.1 | | 0.20 | 5.6 | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | 0.37 | J | 0.20 | 1.8 | J | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 0.78 | J | 0.20 | 3.4 | J | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 0.48 | J | 0.20 | 2.1 | J | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1206630AB | 03/07/2012 20:31 | Michael A Ziegler | 1 |

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# Analysis Report



**Sample Description: MW 65S Summa Can 929 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6559960**
**LLI Group # 1291899**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 02/23/2012 15:26 by CP

Submitted: 02/28/2012 09:30
Reported: 03/19/2012 17:56

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 73,000 | | 5,000 | 170,000 | | 12,000 | 10000 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2,000 | N.D. | | 6,400 | 10000 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2,000 | N.D. | | 13,000 | 10000 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2,000 | N.D. | | 13,000 | 10000 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2,000 | N.D. | | 21,000 | 10000 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2,000 | N.D. | | 7,800 | 10000 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5,000 | N.D. | | 11,000 | 10000 |
| 05298 | 2-Butanone | 78-93-3 | 8,200 | J | 5,000 | 24,000 | J | 15,000 | 10000 |
| 05298 | Carbon Disulfide | 75-15-0 | 20,000 | | 5,000 | 61,000 | | 16,000 | 10000 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2,000 | N.D. | | 13,000 | 10000 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2,000 | N.D. | | 9,200 | 10000 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 3,400 | J | 2,000 | 12,000 | J | 7,100 | 10000 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2,000 | N.D. | | 5,300 | 10000 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2,000 | N.D. | | 9,800 | 10000 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2,000 | N.D. | | 4,100 | 10000 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2,000 | N.D. | | 6,300 | 10000 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2,000 | N.D. | | 9,800 | 10000 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2,000 | N.D. | | 17,000 | 10000 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2,000 | N.D. | | 15,000 | 10000 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2,000 | N.D. | | 14,000 | 10000 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2,000 | N.D. | | 12,000 | 10000 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2,000 | N.D. | | 12,000 | 10000 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2,000 | N.D. | | 12,000 | 10000 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2,000 | N.D. | | 9,900 | 10000 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | N.D. | | 2,000 | N.D. | | 8,100 | 10000 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2,000 | N.D. | | 8,100 | 10000 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 630,000 | | 2,000 | 2,500,000 | | 7,900 | 10000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2,000 | N.D. | | 7,900 | 10000 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2,000 | N.D. | | 7,900 | 10000 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2,000 | N.D. | | 8,400 | 10000 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2,000 | N.D. | | 9,200 | 10000 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2,000 | N.D. | | 9,100 | 10000 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2,000 | N.D. | | 9,100 | 10000 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2,000 | N.D. | | 8,700 | 10000 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2,000 | N.D. | | 9,800 | 10000 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5,000 | N.D. | | 38,000 | 10000 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2,000 | N.D. | | 14,000 | 10000 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2,000 | N.D. | | 8,200 | 10000 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2,000 | N.D. | | 19,000 | 10000 |
| 05298 | Hexane | 110-54-3 | 12,000 | | 2,000 | 42,000 | | 7,000 | 10000 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5,000 | N.D. | | 20,000 | 10000 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2,000 | N.D. | | 9,300 | 10000 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2,000 | N.D. | | 7,200 | 10000 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5,000 | N.D. | | 20,000 | 10000 |
| 05298 | Methylene Chloride | 75-09-2 | 14,000 | | 2,000 | 47,000 | | 6,900 | 10000 |
| 05298 | Octane | 111-65-9 | N.D. | | 2,000 | N.D. | | 9,300 | 10000 |
| 05298 | Pentane | 109-66-0 | 4,300 | J | 2,000 | 13,000 | J | 5,900 | 10000 |
| 05298 | Styrene | 100-42-5 | 6,900 | J | 2,000 | 29,000 | J | 8,500 | 10000 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2,000 | N.D. | | 14,000 | 10000 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2,000 | N.D. | | 14,000 | 10000 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2,000 | N.D. | | 14,000 | 10000 |
| 05298 | Toluene | 108-88-3 | 6,900 | J | 2,000 | 26,000 | J | 7,500 | 10000 |

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# Analysis Report



**Sample Description: MW 65S Summa Can 929 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6559960**
**LLI Group # 1291899**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 02/23/2012 15:26 by CP

Submitted: 02/28/2012 09:30
Reported: 03/19/2012 17:56

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 80,000 | | 2,000 | 440,000 | | 11,000 | 10000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2,000 | N.D. | | 11,000 | 10000 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 2,000 | N.D. | | 11,000 | 10000 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 2,000 | N.D. | | 11,000 | 10000 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2,000 | N.D. | | 12,000 | 10000 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2,000 | N.D. | | 9,800 | 10000 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2,000 | N.D. | | 9,800 | 10000 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 2,000 | N.D. | | 5,100 | 10000 |
| 05298 | m/p-Xylene | 179601-23-1 | 2,400 | J | 2,000 | 11,000 | J | 8,700 | 10000 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 2,000 | N.D. | | 8,700 | 10000 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1207130AC | 03/14/2012 02:49 | Michael A Ziegler | 10000 |

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# Analysis Report



**Sample Description: MP 07 Summa Can 985 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6559961**
**LLI Group # 1291899**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 02/23/2012 15:09 by CP

Submitted: 02/28/2012 09:30
Reported: 03/19/2012 17:56

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 10 | J | 10 | 25 | J | 24 | 20 |
| 05298 | Benzene | 71-43-2 | N.D. | | 4.0 | N.D. | | 13 | 20 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 4.0 | N.D. | | 26 | 20 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 4.0 | N.D. | | 41 | 20 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 10 | N.D. | | 22 | 20 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 10 | N.D. | | 29 | 20 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 10 | N.D. | | 31 | 20 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 4.0 | N.D. | | 25 | 20 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 4.0 | N.D. | | 11 | 20 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 4.0 | N.D. | | 8.3 | 20 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 4.0 | N.D. | | 13 | 20 |
| 05298 | Cumene | 98-82-8 | 4.7 | J | 4.0 | 23 | J | 20 | 20 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 4.0 | N.D. | | 34 | 20 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 4.0 | N.D. | | 31 | 20 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 4.0 | N.D. | | 28 | 20 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 6.3 | J | 4.0 | 25 | J | 16 | 20 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 530 | | 4.0 | 2,100 | | 16 | 20 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 10 | N.D. | | 77 | 20 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 4.0 | N.D. | | 28 | 20 |
| 05298 | Heptane | 142-82-5 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 4.0 | N.D. | | 39 | 20 |
| 05298 | Hexane | 110-54-3 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 10 | N.D. | | 41 | 20 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 4.0 | N.D. | | 19 | 20 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 10 | N.D. | | 41 | 20 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | Octane | 111-65-9 | N.D. | | 4.0 | N.D. | | 19 | 20 |
| 05298 | Pentane | 109-66-0 | N.D. | | 4.0 | N.D. | | 12 | 20 |
| 05298 | Styrene | 100-42-5 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Toluene | 108-88-3 | 48 | | 4.0 | 180 | | 15 | 20 |

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# Analysis Report



**Sample Description: MP 07 Summa Can 985 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6559961**
**LLI Group # 1291899**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 02/23/2012 15:09 by CP

Submitted: 02/28/2012 09:30
Reported: 03/19/2012 17:56

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 320 | 4.0 | 1,700 | 22 | 20 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 4.0 | N.D. | 22 | 20 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 4.0 | N.D. | 21 | 20 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 4.0 | N.D. | 22 | 20 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 4.0 | N.D. | 24 | 20 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 4.0 | N.D. | 20 | 20 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 4.0 | N.D. | 20 | 20 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 4.0 | N.D. | 10 | 20 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 4.0 | N.D. | 17 | 20 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 4.0 | N.D. | 17 | 20 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1207130AB | 03/13/2012 12:43 | Michael A Ziegler | 20 |

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# Analysis Report



**Sample Description: SVE 3 Summa Can 979 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6559962**
**LLI Group # 1291899**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 02/23/2012 15:36 by CP

Submitted: 02/28/2012 09:30
Reported: 03/19/2012 17:56

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 160 | | 10 | 370 | | 24 | 20 |
| 05298 | Benzene | 71-43-2 | 5.0 | J | 4.0 | 16 | J | 13 | 20 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 4.0 | N.D. | | 26 | 20 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 4.0 | N.D. | | 41 | 20 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 10 | N.D. | | 22 | 20 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 10 | N.D. | | 29 | 20 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 10 | N.D. | | 31 | 20 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 4.0 | N.D. | | 25 | 20 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 4.0 | N.D. | | 11 | 20 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 4.0 | N.D. | | 8.3 | 20 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 4.0 | N.D. | | 13 | 20 |
| 05298 | Cumene | 98-82-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 4.0 | N.D. | | 34 | 20 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 4.0 | N.D. | | 31 | 20 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 4.0 | N.D. | | 28 | 20 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 36 | | 4.0 | 140 | | 16 | 20 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 640 | | 4.0 | 2,500 | | 16 | 20 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 10 | N.D. | | 77 | 20 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 4.0 | N.D. | | 28 | 20 |
| 05298 | Heptane | 142-82-5 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 4.0 | N.D. | | 39 | 20 |
| 05298 | Hexane | 110-54-3 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 10 | N.D. | | 41 | 20 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 4.0 | N.D. | | 19 | 20 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 10 | N.D. | | 41 | 20 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | Octane | 111-65-9 | N.D. | | 4.0 | N.D. | | 19 | 20 |
| 05298 | Pentane | 109-66-0 | N.D. | | 4.0 | N.D. | | 12 | 20 |
| 05298 | Styrene | 100-42-5 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Toluene | 108-88-3 | 64 | | 4.0 | 240 | | 15 | 20 |

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# Analysis Report



**Sample Description: SVE 3 Summa Can 979 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6559962**
**LLI Group # 1291899**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 02/23/2012 15:36 by CP

Submitted: 02/28/2012 09:30
Reported: 03/19/2012 17:56

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 590 | 4.0 | 3,200 | 22 | 20 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 4.0 | N.D. | 22 | 20 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 4.0 | N.D. | 21 | 20 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 4.0 | N.D. | 22 | 20 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 4.0 | N.D. | 24 | 20 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 4.0 | N.D. | 20 | 20 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 4.0 | N.D. | 20 | 20 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 4.0 | N.D. | 10 | 20 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 4.0 | N.D. | 17 | 20 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 4.0 | N.D. | 17 | 20 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1207130AC | 03/14/2012 12:01 | Michael A Ziegler | 20 |

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# Analysis Report



**Sample Description: MP 06 Summa Can 971 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6559963**
**LLI Group # 1291899**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 02/23/2012 15:05 by CP

Submitted: 02/28/2012 09:30
Reported: 03/19/2012 17:56

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 38 | | 0.50 | 90 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | 0.22 | J | 0.20 | 0.69 | J | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 5.3 | | 0.50 | 16 | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 0.70 | J | 0.50 | 2.2 | J | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 1.3 | | 0.20 | 4.5 | | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 1.3 | | 0.20 | 2.7 | | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 5.8 | | 0.20 | 28 | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.67 | J | 0.20 | 3.3 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 1.1 | | 0.20 | 4.4 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 56 | | 0.20 | 220 | | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 0.32 | J | 0.20 | 1.4 | J | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | 0.22 | J | 0.20 | 1.1 | J | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | 0.25 | J | 0.20 | 1.8 | J | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | 0.23 | J | 0.20 | 1.1 | J | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 0.53 | J | 0.20 | 1.8 | J | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.46 | J | 0.20 | 1.4 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 3.7 | | 0.20 | 14 | | 0.75 | 1 |

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# Analysis Report



**Sample Description: MP 06 Summa Can 971 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6559963**
**LLI Group # 1291899**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 02/23/2012 15:05 by CP

Submitted: 02/28/2012 09:30
Reported: 03/19/2012 17:56

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 23 | | 0.20 | 130 | | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 7.1 | | 0.20 | 40 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 1.2 | | 0.20 | 5.8 | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | 0.44 | J | 0.20 | 2.2 | J | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 1.1 | | 0.20 | 5.0 | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 0.65 | J | 0.20 | 2.8 | J | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1207430AB | 03/16/2012 03:45 | Florida A Cimino | 1 |

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# Analysis Report



**Sample Description:** SVE 6 Summa Can 986 Air
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6559964**
**LLI Group # 1291899**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 02/23/2012 15:00 by CP

Submitted: 02/28/2012 09:30
Reported: 03/19/2012 17:56

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 30 | | 1.0 | 71 | | 2.4 | 2 |
| 05298 | Benzene | 71-43-2 | 1.8 | J | 0.40 | 5.7 | J | 1.3 | 2 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.40 | N.D. | | 2.6 | 2 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.40 | N.D. | | 2.7 | 2 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.40 | N.D. | | 4.1 | 2 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.40 | N.D. | | 1.6 | 2 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 1.0 | N.D. | | 2.2 | 2 |
| 05298 | 2-Butanone | 78-93-3 | 4.1 | | 1.0 | 12 | | 2.9 | 2 |
| 05298 | Carbon Disulfide | 75-15-0 | 0.81 | J | 0.40 | 2.5 | J | 1.2 | 2 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.40 | N.D. | | 2.5 | 2 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.40 | N.D. | | 1.8 | 2 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 0.74 | J | 0.40 | 2.6 | J | 1.4 | 2 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.40 | N.D. | | 1.1 | 2 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.40 | N.D. | | 2.0 | 2 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 0.40 | N.D. | | 0.83 | 2 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.40 | N.D. | | 1.3 | 2 |
| 05298 | Cumene | 98-82-8 | 17 | | 0.40 | 84 | | 2.0 | 2 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.40 | N.D. | | 3.4 | 2 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.40 | N.D. | | 3.1 | 2 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.40 | N.D. | | 2.8 | 2 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.40 | N.D. | | 2.4 | 2 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.40 | N.D. | | 2.4 | 2 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.40 | N.D. | | 2.4 | 2 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 0.40 | N.D. | | 2.0 | 2 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 13 | | 0.40 | 53 | | 1.6 | 2 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 0.47 | J | 0.40 | 1.9 | J | 1.6 | 2 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 150 | | 4.0 | 580 | | 16 | 20 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.40 | N.D. | | 1.6 | 2 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.40 | N.D. | | 1.6 | 2 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.40 | N.D. | | 1.7 | 2 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.40 | N.D. | | 1.8 | 2 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.40 | N.D. | | 1.8 | 2 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.40 | N.D. | | 1.8 | 2 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 0.40 | N.D. | | 1.7 | 2 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.40 | N.D. | | 2.0 | 2 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 1.0 | N.D. | | 7.7 | 2 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.40 | N.D. | | 2.8 | 2 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.40 | N.D. | | 1.6 | 2 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.40 | N.D. | | 3.9 | 2 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.40 | N.D. | | 1.4 | 2 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 1.0 | N.D. | | 4.1 | 2 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.40 | N.D. | | 1.9 | 2 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.40 | N.D. | | 1.4 | 2 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 1.0 | N.D. | | 4.1 | 2 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 0.40 | N.D. | | 1.4 | 2 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.40 | N.D. | | 1.9 | 2 |
| 05298 | Pentane | 109-66-0 | N.D. | | 0.40 | N.D. | | 1.2 | 2 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.40 | N.D. | | 1.7 | 2 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.40 | N.D. | | 2.7 | 2 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.40 | N.D. | | 2.7 | 2 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 0.40 | N.D. | | 2.7 | 2 |
| 05298 | Toluene | 108-88-3 | 4.0 | | 0.40 | 15 | | 1.5 | 2 |

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# Analysis Report



**Sample Description: SVE 6 Summa Can 986 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6559964**
**LLI Group # 1291899**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 02/23/2012 15:00 by CP

Submitted: 02/28/2012 09:30
Reported: 03/19/2012 17:56

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 68 | | 0.40 | 370 | | 2.2 | 2 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.40 | N.D. | | 2.2 | 2 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.40 | N.D. | | 2.1 | 2 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 2.8 | | 0.40 | 15 | | 2.2 | 2 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.40 | N.D. | | 2.4 | 2 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 1.4 | J | 0.40 | 7.0 | J | 2.0 | 2 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.40 | N.D. | | 2.0 | 2 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.40 | N.D. | | 1.0 | 2 |
| 05298 | m/p-Xylene | 179601-23-1 | 0.73 | J | 0.40 | 3.2 | J | 1.7 | 2 |
| 05298 | o-Xylene | 95-47-6 | 0.47 | J | 0.40 | 2.0 | J | 1.7 | 2 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1206630AA | 03/07/2012 06:20 | Jeffrey B Smith | 20 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1206630AA | 03/07/2012 13:37 | Michael A Ziegler | 2 |

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# Analysis Report



**Sample Description: VW-5 Summa Can 997 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6559965**
**LLI Group # 1291899**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 02/23/2012 15:18 by CP

Submitted: 02/28/2012 09:30
Reported: 03/19/2012 17:56

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 1,400 | J | 500 | 3,300 | J | 1,200 | 1000 |
| 05298 | Benzene | 71-43-2 | N.D. | | 200 | N.D. | | 640 | 1000 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 200 | N.D. | | 2,100 | 1000 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 200 | N.D. | | 780 | 1000 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 500 | N.D. | | 1,100 | 1000 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 500 | N.D. | | 1,500 | 1000 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 500 | N.D. | | 1,600 | 1000 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 200 | N.D. | | 710 | 1000 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 200 | N.D. | | 530 | 1000 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 200 | N.D. | | 410 | 1000 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 200 | N.D. | | 630 | 1000 |
| 05298 | Cumene | 98-82-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 200 | N.D. | | 1,700 | 1000 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 200 | N.D. | | 1,500 | 1000 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 200 | N.D. | | 990 | 1000 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 1,700 | | 200 | 6,900 | | 810 | 1000 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 200 | N.D. | | 810 | 1000 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 230,000 | | 2,000 | 900,000 | | 7,900 | 10000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 200 | N.D. | | 840 | 1000 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 200 | N.D. | | 870 | 1000 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 500 | N.D. | | 3,800 | 1000 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Heptane | 142-82-5 | N.D. | | 200 | N.D. | | 820 | 1000 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 200 | N.D. | | 1,900 | 1000 |
| 05298 | Hexane | 110-54-3 | N.D. | | 200 | N.D. | | 700 | 1000 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 200 | N.D. | | 720 | 1000 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 200 | N.D. | | 690 | 1000 |
| 05298 | Octane | 111-65-9 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Pentane | 109-66-0 | 390 | J | 200 | 1,200 | J | 590 | 1000 |
| 05298 | Styrene | 100-42-5 | N.D. | | 200 | N.D. | | 850 | 1000 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Toluene | 108-88-3 | N.D. | | 200 | N.D. | | 750 | 1000 |

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# Analysis Report



**Sample Description: VW-5 Summa Can 997 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6559965**
**LLI Group # 1291899**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 02/23/2012 15:18 by CP

Submitted: 02/28/2012 09:30
Reported: 03/19/2012 17:56

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 16,000 | 200 | 85,000 | 1,100 | 1000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 200 | N.D. | 1,200 | 1000 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 200 | N.D. | 980 | 1000 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 200 | N.D. | 980 | 1000 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 200 | N.D. | 510 | 1000 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 200 | N.D. | 870 | 1000 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 200 | N.D. | 870 | 1000 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1207430AA | 03/15/2012 04:37 | Michael A Ziegler | 1000 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1207430AA | 03/15/2012 14:15 | Jeffrey B Smith | 10000 |

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# Analysis Report



**Sample Description: SVE 4 Summa Can 958 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6559966**
**LLI Group # 1291899**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 02/23/2012 15:32 by CP

Submitted: 02/28/2012 09:30
Reported: 03/19/2012 17:56

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 92 | | 5.0 | 220 | | 12 | 10 |
| 05298 | Benzene | 71-43-2 | 0.66 | J | 0.20 | 2.1 | J | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | 0.25 | J | 0.20 | 1.6 | J | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 15 | | 0.50 | 45 | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 2.0 | | 0.50 | 6.4 | | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | 0.23 | J | 0.20 | 1.0 | J | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 0.59 | J | 0.20 | 2.1 | J | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | 0.61 | J | 0.20 | 3.0 | J | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 1.2 | | 0.20 | 2.5 | | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 3.7 | | 0.20 | 18 | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | 1.1 | | 0.20 | 6.5 | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | 0.99 | J | 0.20 | 6.0 | J | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | 1.3 | | 0.20 | 7.9 | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.56 | J | 0.20 | 2.8 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 1.1 | | 0.20 | 4.4 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 0.43 | J | 0.20 | 1.7 | J | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 1.1 | | 0.20 | 5.0 | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | 0.86 | J | 0.20 | 4.2 | J | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | 0.20 | J | 0.20 | 0.83 | J | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | 1.2 | J | 0.50 | 4.8 | J | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 0.20 | N.D. | | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | 0.31 | J | 0.20 | 1.4 | J | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 2.4 | | 0.20 | 7.2 | | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | 0.48 | J | 0.20 | 2.0 | J | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 0.30 | J | 0.20 | 2.1 | J | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 0.36 | J | 0.20 | 2.5 | J | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 0.70 | J | 0.20 | 2.6 | J | 0.75 | 1 |

**Sample Description: SVE 4 Summa Can 958 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6559966**
**LLI Group # 1291899**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 02/23/2012 15:32 by CP

Submitted: 02/28/2012 09:30
Reported: 03/19/2012 17:56

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 2.4 | 0.20 | 13 | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 0.20 | N.D. | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 0.20 | N.D. | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 2.3 | 0.20 | 13 | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 0.20 | N.D. | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 1.7 | 0.20 | 8.5 | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | 1.1 | 0.20 | 5.4 | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 0.20 | N.D. | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 3.2 | 0.20 | 14 | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 1.8 | 0.20 | 7.7 | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1207430AA | 03/15/2012 15:00 | Jeffrey B Smith | 10 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1207430AB | 03/16/2012 04:33 | Florida A Cimino | 1 |

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# Analysis Report



**Sample Description: MP 10 Summa Can 989 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6559967**
**LLI Group # 1291899**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 02/23/2012 16:10 by CP

Submitted: 02/28/2012 09:30
Reported: 03/19/2012 17:56

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 53 | | 0.50 | 130 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | 0.34 | J | 0.20 | 1.1 | J | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 24 | | 0.50 | 71 | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 2.6 | | 0.50 | 8.1 | | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 0.20 | N.D. | | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | 0.69 | J | 0.20 | 3.4 | J | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 0.87 | J | 0.20 | 1.8 | J | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 3.1 | | 0.20 | 15 | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.84 | J | 0.20 | 4.1 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 6.1 | | 0.20 | 25 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 11 | | 0.20 | 44 | | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | 0.26 | J | 0.20 | 1.1 | J | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | 1.0 | | 0.20 | 3.6 | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | 1.9 | J | 0.50 | 7.7 | J | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 6.2 | | 0.20 | 21 | | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.61 | J | 0.20 | 1.8 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 0.61 | J | 0.20 | 2.3 | J | 0.75 | 1 |

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# Analysis Report



**Sample Description: MP 10 Summa Can 989 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6559967**
**LLI Group # 1291899**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 02/23/2012 16:10 by CP

Submitted: 02/28/2012 09:30
Reported: 03/19/2012 17:56

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 38 | | 0.20 | 210 | | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 1.4 | | 0.20 | 7.7 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 1.2 | | 0.20 | 6.0 | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | 0.33 | J | 0.20 | 1.6 | J | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 0.57 | J | 0.20 | 2.5 | J | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 0.39 | J | 0.20 | 1.7 | J | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1207130AC | 03/14/2012 04:25 | Michael A Ziegler | 1 |

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# Analysis Report



**Sample Description: MP 02 Summa Can 946 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6559968**
**LLI Group # 1291899**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 02/23/2012 16:05 by CP

Submitted: 02/28/2012 09:30
Reported: 03/19/2012 17:56

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 4,900 | | 50 | 12,000 | | 120 | 100 |
| 05298 | Benzene | 71-43-2 | 34 | J | 20 | 110 | J | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 50 | N.D. | | 110 | 100 |
| 05298 | 2-Butanone | 78-93-3 | 3,500 | | 50 | 10,000 | | 150 | 100 |
| 05298 | Carbon Disulfide | 75-15-0 | 470 | | 50 | 1,500 | | 160 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 20 | N.D. | | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 20 | N.D. | | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | 29 | J | 20 | 59 | J | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 20 | N.D. | | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 47 | J | 20 | 190 | J | 81 | 100 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 20 | N.D. | | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 3,300 | | 20 | 13,000 | | 79 | 100 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | 26 | J | 20 | 110 | J | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | N.D. | | 20 | N.D. | | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | 200 | | 20 | 700 | | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 370 | | 20 | 1,300 | | 69 | 100 |
| 05298 | Octane | 111-65-9 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Pentane | 109-66-0 | 290 | | 20 | 850 | | 59 | 100 |
| 05298 | Styrene | 100-42-5 | 85 | J | 20 | 360 | J | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | 160 | | 20 | 1,100 | | 140 | 100 |
| 05298 | Toluene | 108-88-3 | 81 | J | 20 | 310 | J | 75 | 100 |

**Sample Description: MP 02 Summa Can 946 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6559968**
**LLI Group # 1291899**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 02/23/2012 16:05 by CP

Submitted: 02/28/2012 09:30
Reported: 03/19/2012 17:56

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 950 | | 20 | 5,200 | | 110 | 100 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 20 | N.D. | | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | 42 | J | 20 | 180 | J | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 20 | N.D. | | 87 | 100 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1207430AA | 03/15/2012 12:42 | Jeffrey B Smith | 100 |

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# Analysis Report



**Sample Description: SVE 1 Summa Can 1061 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6559969**
**LLI Group # 1291899**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 02/23/2012 15:43 by CP

Submitted: 02/28/2012 09:30
Reported: 03/19/2012 17:56

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | Acetone | 67-64-1 | N.D. | 500 | N.D. | 1,200 | 1000 |
| 05298 | Benzene | 71-43-2 | N.D. | 200 | N.D. | 640 | 1000 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | 200 | N.D. | 1,300 | 1000 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | 200 | N.D. | 1,300 | 1000 |
| 05298 | Bromoform | 75-25-2 | N.D. | 200 | N.D. | 2,100 | 1000 |
| 05298 | Bromomethane | 74-83-9 | N.D. | 200 | N.D. | 780 | 1000 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | 500 | N.D. | 1,100 | 1000 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | 500 | N.D. | 1,500 | 1000 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | 500 | N.D. | 1,600 | 1000 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | 200 | N.D. | 1,300 | 1000 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | 200 | N.D. | 920 | 1000 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | 200 | N.D. | 710 | 1000 |
| 05298 | Chloroethane | 75-00-3 | N.D. | 200 | N.D. | 530 | 1000 |
| 05298 | Chloroform | 67-66-3 | N.D. | 200 | N.D. | 980 | 1000 |
| 05298 | Chloromethane | 74-87-3 | N.D. | 200 | N.D. | 410 | 1000 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | 200 | N.D. | 630 | 1000 |
| 05298 | Cumene | 98-82-8 | N.D. | 200 | N.D. | 980 | 1000 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | 200 | N.D. | 1,700 | 1000 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | 200 | N.D. | 1,500 | 1000 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | 200 | N.D. | 1,400 | 1000 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 200 | N.D. | 1,200 | 1000 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 200 | N.D. | 1,200 | 1000 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 200 | N.D. | 1,200 | 1000 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | 200 | N.D. | 990 | 1000 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | N.D. | 200 | N.D. | 810 | 1000 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | 200 | N.D. | 810 | 1000 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 3,000 | 200 | 12,000 | 790 | 1000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | 200 | N.D. | 790 | 1000 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 200 | N.D. | 790 | 1000 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | 200 | N.D. | 840 | 1000 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | 200 | N.D. | 920 | 1000 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | 200 | N.D. | 910 | 1000 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | 200 | N.D. | 910 | 1000 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | 200 | N.D. | 870 | 1000 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | 200 | N.D. | 980 | 1000 |
| 05298 | Freon 113 | 76-13-1 | N.D. | 500 | N.D. | 3,800 | 1000 |
| 05298 | Freon 114 | 76-14-2 | N.D. | 200 | N.D. | 1,400 | 1000 |
| 05298 | Heptane | 142-82-5 | N.D. | 200 | N.D. | 820 | 1000 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | 200 | N.D. | 1,900 | 1000 |
| 05298 | Hexane | 110-54-3 | N.D. | 200 | N.D. | 700 | 1000 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | 500 | N.D. | 2,000 | 1000 |
| 05298 | Isooctane | 540-84-1 | N.D. | 200 | N.D. | 930 | 1000 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | 200 | N.D. | 720 | 1000 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 500 | N.D. | 2,000 | 1000 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | 200 | N.D. | 690 | 1000 |
| 05298 | Octane | 111-65-9 | N.D. | 200 | N.D. | 930 | 1000 |
| 05298 | Pentane | 109-66-0 | N.D. | 200 | N.D. | 590 | 1000 |
| 05298 | Styrene | 100-42-5 | N.D. | 200 | N.D. | 850 | 1000 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | 200 | N.D. | 1,400 | 1000 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | 200 | N.D. | 1,400 | 1000 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | 200 | N.D. | 1,400 | 1000 |
| 05298 | Toluene | 108-88-3 | 1,600 | 200 | 5,900 | 750 | 1000 |

**Sample Description: SVE 1 Summa Can 1061 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6559969**
**LLI Group # 1291899**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 02/23/2012 15:43 by CP

Submitted: 02/28/2012 09:30
Reported: 03/19/2012 17:56

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 23,000 | 200 | 120,000 | 1,100 | 1000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 200 | N.D. | 1,200 | 1000 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 200 | N.D. | 980 | 1000 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 200 | N.D. | 980 | 1000 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 200 | N.D. | 510 | 1000 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 200 | N.D. | 870 | 1000 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 200 | N.D. | 870 | 1000 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1207430AA | 03/15/2012 06:55 | Michael A Ziegler | 1000 |

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# Analysis Report



**Sample Description:** SVE 5 Summa Can 965 Air
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6559970**
**LLI Group # 1291899**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 02/23/2012 14:56 by CP

Submitted: 02/28/2012 09:30
Reported: 03/19/2012 17:56

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 10 | | 1.0 | 25 | | 2.4 | 2 |
| 05298 | Benzene | 71-43-2 | N.D. | | 0.40 | N.D. | | 1.3 | 2 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.40 | N.D. | | 2.6 | 2 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.40 | N.D. | | 2.7 | 2 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.40 | N.D. | | 4.1 | 2 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.40 | N.D. | | 1.6 | 2 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 1.0 | N.D. | | 2.2 | 2 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 1.0 | N.D. | | 2.9 | 2 |
| 05298 | Carbon Disulfide | 75-15-0 | 0.73 | J | 0.40 | 2.3 | J | 1.2 | 2 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.40 | N.D. | | 2.5 | 2 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.40 | N.D. | | 1.8 | 2 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 1.0 | J | 0.40 | 3.5 | J | 1.4 | 2 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.40 | N.D. | | 1.1 | 2 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.40 | N.D. | | 2.0 | 2 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 0.40 | N.D. | | 0.83 | 2 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.40 | N.D. | | 1.3 | 2 |
| 05298 | Cumene | 98-82-8 | N.D. | | 0.40 | N.D. | | 2.0 | 2 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.40 | N.D. | | 3.4 | 2 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.40 | N.D. | | 3.1 | 2 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.40 | N.D. | | 2.8 | 2 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.40 | N.D. | | 2.4 | 2 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.40 | N.D. | | 2.4 | 2 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.40 | N.D. | | 2.4 | 2 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.44 | J | 0.40 | 2.2 | J | 2.0 | 2 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 7.9 | | 0.40 | 32 | | 1.6 | 2 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.40 | N.D. | | 1.6 | 2 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 190 | | 4.0 | 770 | | 16 | 20 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.40 | N.D. | | 1.6 | 2 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.40 | N.D. | | 1.6 | 2 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.40 | N.D. | | 1.7 | 2 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.40 | N.D. | | 1.8 | 2 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.40 | N.D. | | 1.8 | 2 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.40 | N.D. | | 1.8 | 2 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 0.40 | N.D. | | 1.7 | 2 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.40 | N.D. | | 2.0 | 2 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 1.0 | N.D. | | 7.7 | 2 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.40 | N.D. | | 2.8 | 2 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.40 | N.D. | | 1.6 | 2 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.40 | N.D. | | 3.9 | 2 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.40 | N.D. | | 1.4 | 2 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 1.0 | N.D. | | 4.1 | 2 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.40 | N.D. | | 1.9 | 2 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.40 | N.D. | | 1.4 | 2 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 1.0 | N.D. | | 4.1 | 2 |
| 05298 | Methylene Chloride | 75-09-2 | 0.47 | J | 0.40 | 1.6 | J | 1.4 | 2 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.40 | N.D. | | 1.9 | 2 |
| 05298 | Pentane | 109-66-0 | N.D. | | 0.40 | N.D. | | 1.2 | 2 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.40 | N.D. | | 1.7 | 2 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.40 | N.D. | | 2.7 | 2 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.40 | N.D. | | 2.7 | 2 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 0.40 | N.D. | | 2.7 | 2 |
| 05298 | Toluene | 108-88-3 | N.D. | | 0.40 | N.D. | | 1.5 | 2 |

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# Analysis Report



**Sample Description: SVE 5 Summa Can 965 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6559970**
**LLI Group # 1291899**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 02/23/2012 14:56 by CP

Submitted: 02/28/2012 09:30
Reported: 03/19/2012 17:56

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 18 | 0.40 | 96 | 2.2 | 2 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 0.40 | N.D. | 2.2 | 2 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 0.40 | N.D. | 2.1 | 2 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 2.3 | 0.40 | 13 | 2.2 | 2 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 0.40 | N.D. | 2.4 | 2 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 0.40 | N.D. | 2.0 | 2 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 0.40 | N.D. | 2.0 | 2 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 0.40 | N.D. | 1.0 | 2 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 0.40 | N.D. | 1.7 | 2 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 0.40 | N.D. | 1.7 | 2 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1206630AA | 03/07/2012 05:04 | Jeffrey B Smith | 20 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1206630AA | 03/07/2012 12:59 | Michael A Ziegler | 2 |

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# Analysis Report



**Sample Description: SVE 2 Summa Can 1011 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6559971**
**LLI Group # 1291899**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 02/23/2012 15:40 by CP

Submitted: 02/28/2012 09:30
Reported: 03/19/2012 17:56

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 1,600 | | 50 | 3,800 | | 120 | 100 |
| 05298 | Benzene | 71-43-2 | 43 | J | 20 | 140 | J | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 50 | N.D. | | 110 | 100 |
| 05298 | 2-Butanone | 78-93-3 | 140 | J | 50 | 420 | J | 150 | 100 |
| 05298 | Carbon Disulfide | 75-15-0 | 550 | | 50 | 1,700 | | 160 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 20 | N.D. | | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 20 | N.D. | | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | 48 | J | 20 | 100 | J | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 41 | J | 20 | 200 | J | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 170 | | 20 | 680 | | 81 | 100 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 20 | N.D. | | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 5,600 | | 20 | 22,000 | | 79 | 100 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | 35 | J | 20 | 150 | J | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | N.D. | | 20 | N.D. | | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | 120 | | 20 | 430 | | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | 22 | J | 20 | 100 | J | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 410 | | 20 | 1,400 | | 69 | 100 |
| 05298 | Octane | 111-65-9 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Pentane | 109-66-0 | 190 | | 20 | 570 | | 59 | 100 |
| 05298 | Styrene | 100-42-5 | 100 | | 20 | 440 | | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Toluene | 108-88-3 | 2,500 | | 20 | 9,400 | | 75 | 100 |

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# Analysis Report



**Sample Description: SVE 2 Summa Can 1011 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6559971**
**LLI Group # 1291899**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 02/23/2012 15:40 by CP

Submitted: 02/28/2012 09:30
Reported: 03/19/2012 17:56

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 2,000 | | 20 | 11,000 | | 110 | 100 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 72 | J | 20 | 410 | J | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 20 | N.D. | | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | 71 | J | 20 | 310 | J | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | 28 | J | 20 | 120 | J | 87 | 100 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1207130AB | 03/13/2012 00:28 | Michael A Ziegler | 100 |

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# Analysis Report



**Sample Description: MP 09 Summa Can 916 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6559972**
**LLI Group # 1291899**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 02/23/2012 15:57 by CP

Submitted: 02/28/2012 09:30
Reported: 03/19/2012 17:56

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 100 | | 5.0 | 240 | | 12 | 10 |
| 05298 | Benzene | 71-43-2 | 0.28 | J | 0.20 | 0.89 | J | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 50 | | 0.50 | 150 | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 0.61 | J | 0.20 | 1.9 | J | 0.62 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 0.26 | J | 0.20 | 0.91 | J | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 0.68 | J | 0.20 | 1.4 | J | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 8.2 | | 0.20 | 40 | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | 0.21 | J | 0.20 | 1.2 | J | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | 0.22 | J | 0.20 | 1.3 | J | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.50 | J | 0.20 | 2.5 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 4.3 | | 0.20 | 18 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 74 | | 2.0 | 290 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 0.36 | J | 0.20 | 1.6 | J | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | 0.30 | J | 0.20 | 1.5 | J | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | 0.36 | J | 0.20 | 1.3 | J | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | 1.5 | J | 0.50 | 6.2 | J | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 1.4 | | 0.20 | 4.8 | | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.47 | J | 0.20 | 1.4 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 0.27 | J | 0.20 | 1.8 | J | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 1.0 | | 0.20 | 3.9 | | 0.75 | 1 |

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# Analysis Report



**Sample Description: MP 09 Summa Can 916 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6559972**
**LLI Group # 1291899**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 02/23/2012 15:57 by CP

Submitted: 02/28/2012 09:30
Reported: 03/19/2012 17:56

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 46 | | 0.20 | 250 | | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 0.46 | J | 0.20 | 2.6 | J | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 1.2 | | 0.20 | 5.9 | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | 0.40 | J | 0.20 | 2.0 | J | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | 0.38 | J | 0.20 | 0.98 | J | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 1.1 | | 0.20 | 4.6 | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 0.66 | J | 0.20 | 2.9 | J | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1206630AB | 03/07/2012 21:52 | Michael A Ziegler | 1 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1207130AA | 03/12/2012 10:00 | Jeffrey B Smith | 10 |

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# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1291899
Reported: 03/19/12 at 05:56 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

## Laboratory Compliance Quality Control

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: A1206230AC | Sample number(s): 6559953-6559957 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 94 | 90 | 67-138 | 5 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 99 | 98 | 70-130 | 1 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 97 | 98 | 70-138 | 1 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 97 | 98 | 71-150 | 2 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 102 | 97 | 70-130 | 5 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 99 | 94 | 60-135 | 6 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 92 | 87 | 66-129 | 5 | 25 |
| Carbon Disulfide | N.D. | 0.20 | ppb(v) | 79 | 69 | 56-106 | 13 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 94 | 92 | 70-130 | 2 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 93 | 92 | 70-130 | 1 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 109 | 103 | 71-129 | 6 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 97 | 93 | 70-130 | 4 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 97 | 91 | 58-129 | 7 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 97 | 94 | 68-138 | 3 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 95 | 94 | 71-135 | 2 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 93 | 85 | 71-143 | 9 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 97 | 95 | 68-136 | 2 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 95 | 92 | 67-140 | 3 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 104 | 94 | 72-140 | 11 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 103 | 96 | 66-126 | 7 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 100 | 97 | 70-130 | 4 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 98 | 89 | 64-117 | 9 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 99 | 93 | 69-120 | 6 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 102 | 96 | 67-121 | 6 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 95 | 90 | 70-130 | 6 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 101 | 92 | 67-134 | 9 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 89 | 91 | 67-134 | 2 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 101 | 95 | 70-130 | 6 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 92 | 97 | 69-135 | 5 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 94 | 90 | 67-115 | 4 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 91 | 81 | 66-120 | 12 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 98 | 94 | 60-125 | 5 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 98 | 96 | 62-120 | 2 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 89 | 87 | 54-166 | 3 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 94 | 86 | 64-124 | 10 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 95 | 90 | 61-145 | 6 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 95 | 88 | 70-130 | 8 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1291899
Reported: 03/19/12 at 05:56 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 98 | 99 | 70-139 | 2 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 90 | 92 | 67-145 | 3 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 92 | 85 | 70-130 | 8 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 96 | 96 | 70-130 | 1 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 99 | 93 | 70-130 | 6 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 96 | 95 | 68-128 | 1 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 92 | 88 | 70-130 | 4 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 95 | 95 | 70-130 | 0 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 99 | 95 | 69-138 | 5 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 101 | 94 | 71-142 | 8 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 107 | 102 | 70-130 | 4 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 106 | 100 | 70-130 | 6 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 104 | 100 | 70-130 | 3 | 25 |
| Batch number: A1206630AA | Sample number(s): 6559958,6559964,6559970 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 76 | 80 | 67-138 | 5 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 98 | 92 | 70-130 | 7 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 96 | 92 | 70-138 | 4 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 89 | 101 | 71-150 | 13 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 95 | 97 | 70-130 | 2 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 86 | 87 | 60-135 | 1 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 77 | 82 | 66-129 | 6 | 25 |
| Carbon Disulfide | N.D. | 0.20 | ppb(v) | 70 | 76 | 56-106 | 9 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 91 | 93 | 70-130 | 2 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 84 | 92 | 70-130 | 9 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 92 | 96 | 71-129 | 4 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 87 | 89 | 70-130 | 2 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 85 | 86 | 58-129 | 2 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 85 | 95 | 68-138 | 11 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 82 | 92 | 71-135 | 12 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 91 | 90 | 71-143 | 1 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 88 | 98 | 68-136 | 11 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 89 | 98 | 67-140 | 10 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 93 | 96 | 72-140 | 3 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 90 | 94 | 66-126 | 4 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 96 | 89 | 70-130 | 7 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 85 | 88 | 64-117 | 4 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 90 | 94 | 69-120 | 4 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 87 | 91 | 67-121 | 4 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 88 | 81 | 70-130 | 9 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 91 | 82 | 67-134 | 10 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 75 | 83 | 67-134 | 10 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 88 | 89 | 70-130 | 1 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 81 | 90 | 69-135 | 12 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 83 | 90 | 67-115 | 7 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 81 | 84 | 66-120 | 4 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 92 | 85 | 60-125 | 7 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1291899
Reported: 03/19/12 at 05:56 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Hexane | N.D. | 0.20 | ppb(v) | 87 | 90 | 62-120 | 4 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 57 | 62 | 54-166 | 9 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 78 | 87 | 64-124 | 11 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 77 | 73 | 61-145 | 6 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 88 | 91 | 70-130 | 4 | 25 |
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 86 | 94 | 70-139 | 9 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 79 | 83 | 67-145 | 6 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 89 | 96 | 70-130 | 8 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 83 | 84 | 70-130 | 2 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 95 | 98 | 70-130 | 2 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 84 | 91 | 68-128 | 8 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 98 | 98 | 70-130 | 0 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 101 | 99 | 70-130 | 3 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 85 | 85 | 69-138 | 0 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 91 | 97 | 71-142 | 6 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 99 | 103 | 70-130 | 4 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 90 | 93 | 70-130 | 3 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 87 | 91 | 70-130 | 5 | 25 |
| Batch number: A1206630AB | Sample number(s): 6559958-6559959,6559972 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 76 | 80 | 67-138 | 5 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 98 | 92 | 70-130 | 7 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 96 | 92 | 70-138 | 4 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 89 | 101 | 71-150 | 13 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 95 | 97 | 70-130 | 2 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 86 | 87 | 60-135 | 1 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 77 | 82 | 66-129 | 6 | 25 |
| Carbon Disulfide | N.D. | 0.20 | ppb(v) | 70 | 76 | 56-106 | 9 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 91 | 93 | 70-130 | 2 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 84 | 92 | 70-130 | 9 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 92 | 96 | 71-129 | 4 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 87 | 89 | 70-130 | 2 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 85 | 86 | 58-129 | 2 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 85 | 95 | 68-138 | 11 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 82 | 92 | 71-135 | 12 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 91 | 90 | 71-143 | 1 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 88 | 98 | 68-136 | 11 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 89 | 98 | 67-140 | 10 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 93 | 96 | 72-140 | 3 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 90 | 94 | 66-126 | 4 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 96 | 89 | 70-130 | 7 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 85 | 88 | 64-117 | 4 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 90 | 94 | 69-120 | 4 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 87 | 91 | 67-121 | 4 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 88 | 81 | 70-130 | 9 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 91 | 82 | 67-134 | 10 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 75 | 83 | 67-134 | 10 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1291899
Reported: 03/19/12 at 05:56 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 88 | 89 | 70-130 | 1 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 81 | 90 | 69-135 | 12 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 83 | 90 | 67-115 | 7 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 81 | 84 | 66-120 | 4 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 92 | 85 | 60-125 | 7 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 87 | 90 | 62-120 | 4 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 57 | 62 | 54-166 | 9 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 78 | 87 | 64-124 | 11 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 77 | 73 | 61-145 | 6 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 88 | 91 | 70-130 | 4 | 25 |
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 86 | 94 | 70-139 | 9 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 79 | 83 | 67-145 | 6 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 89 | 96 | 70-130 | 8 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 83 | 84 | 70-130 | 2 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 95 | 98 | 70-130 | 2 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 84 | 91 | 68-128 | 8 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 98 | 98 | 70-130 | 0 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 101 | 99 | 70-130 | 3 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 85 | 85 | 69-138 | 0 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 91 | 97 | 71-142 | 6 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 99 | 103 | 70-130 | 4 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 90 | 93 | 70-130 | 3 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 87 | 91 | 70-130 | 5 | 25 |
| Batch number: D1206130AB | Sample number(s): 6559951-6559952 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 112 | 96 | 67-138 | 15 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 108 | 94 | 70-130 | 14 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 116 | 101 | 70-138 | 13 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 123 | 111 | 71-150 | 11 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 109 | 95 | 70-130 | 14 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 97 | 85 | 60-135 | 14 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 105 | 94 | 66-129 | 12 | 25 |
| Carbon Disulfide | N.D. | 0.50 | ppb(v) | 92 | 81 | 56-106 | 12 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 104 | 90 | 70-130 | 14 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 111 | 101 | 70-130 | 10 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 107 | 97 | 71-129 | 10 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 102 | 89 | 70-130 | 13 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 94 | 89 | 58-129 | 5 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 120 | 108 | 68-138 | 11 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 115 | 104 | 71-135 | 10 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 108 | 96 | 71-143 | 12 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 103 | 93 | 68-136 | 11 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 105 | 94 | 67-140 | 11 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 99 | 87 | 72-140 | 13 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 111 | 97 | 66-126 | 14 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 112 | 99 | 70-130 | 12 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 92 | 81 | 64-117 | 13 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1291899
Reported: 03/19/12 at 05:56 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 96 | 84 | 69-120 | 13 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 102 | 88 | 67-121 | 15 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 103 | 89 | 70-130 | 14 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 105 | 94 | 67-134 | 11 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 112 | 100 | 67-134 | 11 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 120 | 108 | 70-130 | 11 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 118 | 106 | 69-135 | 11 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 102 | 88 | 67-115 | 15 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 92 | 81 | 66-120 | 13 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 99 | 87 | 60-125 | 13 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 102 | 85 | 62-120 | 18 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 123 | 110 | 54-166 | 12 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 110 | 95 | 64-124 | 14 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 124 | 105 | 61-145 | 17 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 102 | 89 | 70-130 | 14 | 25 |
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 126 | 113 | 70-139 | 10 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 118 | 105 | 67-145 | 11 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 108 | 97 | 70-130 | 10 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 112 | 101 | 70-130 | 10 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 102 | 89 | 70-130 | 13 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 114 | 103 | 68-128 | 10 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 100 | 89 | 70-130 | 12 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 109 | 96 | 70-130 | 13 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 116 | 102 | 69-138 | 12 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 127 | 112 | 71-142 | 12 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 100 | 89 | 70-130 | 12 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 130 | 117 | 70-130 | 10 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 122 | 108 | 70-130 | 12 | 25 |
| Batch number: D1206130AC | Sample number(s): 6559952 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 112 | 96 | 67-138 | 15 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 92 | 81 | 64-117 | 13 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 102 | 89 | 70-130 | 13 | 25 |
| Batch number: D1207130AA | Sample number(s): 6559972 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 90 | 89 | 67-138 | 1 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 93 | 93 | 64-117 | 0 | 25 |
| Batch number: D1207130AB | Sample number(s): 6559961,6559971 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 90 | 89 | 67-138 | 1 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 89 | 87 | 70-130 | 2 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 91 | 90 | 70-138 | 2 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 94 | 93 | 71-150 | 1 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 107 | 106 | 70-130 | 1 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 99 | 98 | 60-135 | 1 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 89 | 87 | 66-129 | 2 | 25 |
| Carbon Disulfide | N.D. | 0.50 | ppb(v) | 87 | 88 | 56-106 | 1 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 96 | 94 | 70-130 | 2 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 83 | 82 | 70-130 | 1 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1291899
Reported: 03/19/12 at 05:56 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Chloroethane | N.D. | 0.20 | ppb(v) | 101 | 98 | 71-129 | 2 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 90 | 87 | 70-130 | 3 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 111 | 108 | 58-129 | 3 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 89 | 87 | 68-138 | 2 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 87 | 85 | 71-135 | 2 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 86 | 85 | 71-143 | 1 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 87 | 86 | 68-136 | 1 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 89 | 87 | 67-140 | 2 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 115 | 112 | 72-140 | 2 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 91 | 91 | 66-126 | 0 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 91 | 90 | 70-130 | 1 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 93 | 93 | 64-117 | 0 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 94 | 92 | 69-120 | 2 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 94 | 93 | 67-121 | 1 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 85 | 83 | 70-130 | 2 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 86 | 85 | 67-134 | 2 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 84 | 82 | 67-134 | 2 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 81 | 80 | 70-130 | 2 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 80 | 80 | 69-135 | 1 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 87 | 87 | 67-115 | 0 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 96 | 95 | 66-120 | 1 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 89 | 88 | 60-125 | 2 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 90 | 90 | 62-120 | 0 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 82 | 80 | 54-166 | 2 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 84 | 83 | 64-124 | 1 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 85 | 84 | 61-145 | 1 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 89 | 88 | 70-130 | 1 | 25 |
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 85 | 83 | 70-139 | 2 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 85 | 83 | 67-145 | 2 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 90 | 88 | 70-130 | 2 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 86 | 84 | 70-130 | 2 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 94 | 92 | 70-130 | 2 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 91 | 90 | 68-128 | 2 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 97 | 96 | 70-130 | 1 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 105 | 104 | 70-130 | 1 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 82 | 80 | 69-138 | 1 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 82 | 81 | 71-142 | 1 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 114 | 113 | 70-130 | 1 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 86 | 85 | 70-130 | 1 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 88 | 86 | 70-130 | 1 | 25 |
| Batch number: D1207130AC | Sample number(s): 6559960,6559962,6559967 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 90 | 89 | 67-138 | 1 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 89 | 87 | 70-130 | 2 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 91 | 90 | 70-138 | 2 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 94 | 93 | 71-150 | 1 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 107 | 106 | 70-130 | 1 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1291899
Reported: 03/19/12 at 05:56 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 99 | 98 | 60-135 | 1 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 89 | 87 | 66-129 | 2 | 25 |
| Carbon Disulfide | N.D. | 0.50 | ppb(v) | 87 | 88 | 56-106 | 1 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 96 | 94 | 70-130 | 2 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 83 | 82 | 70-130 | 1 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 101 | 98 | 71-129 | 2 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 90 | 87 | 70-130 | 3 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 111 | 108 | 58-129 | 3 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 89 | 87 | 68-138 | 2 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 87 | 85 | 71-135 | 2 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 86 | 85 | 71-143 | 1 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 87 | 86 | 68-136 | 1 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 89 | 87 | 67-140 | 2 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 115 | 112 | 72-140 | 2 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 91 | 91 | 66-126 | 0 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 91 | 90 | 70-130 | 1 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 93 | 93 | 64-117 | 0 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 94 | 92 | 69-120 | 2 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 94 | 93 | 67-121 | 1 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 85 | 83 | 70-130 | 2 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 86 | 85 | 67-134 | 2 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 84 | 82 | 67-134 | 2 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 81 | 80 | 70-130 | 2 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 80 | 80 | 69-135 | 1 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 87 | 87 | 67-115 | 0 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 96 | 95 | 66-120 | 1 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 89 | 88 | 60-125 | 2 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 90 | 90 | 62-120 | 0 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 82 | 80 | 54-166 | 2 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 84 | 83 | 64-124 | 1 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 85 | 84 | 61-145 | 1 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 89 | 88 | 70-130 | 1 | 25 |
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 85 | 83 | 70-139 | 2 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 85 | 83 | 67-145 | 2 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 90 | 88 | 70-130 | 2 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 86 | 84 | 70-130 | 2 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 94 | 92 | 70-130 | 2 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 91 | 90 | 68-128 | 2 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 97 | 96 | 70-130 | 1 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 105 | 104 | 70-130 | 1 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 82 | 80 | 69-138 | 1 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 82 | 81 | 71-142 | 1 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 114 | 113 | 70-130 | 1 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 86 | 85 | 70-130 | 1 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 88 | 86 | 70-130 | 1 | 25 |

Batch number: D1207430AA Sample number(s): 6559965-6559966,6559968-6559969

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1291899
Reported: 03/19/12 at 05:56 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Acetone | N.D. | 0.50 | ppb(v) | 87 | 87 | 67-138 | 1 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 84 | 81 | 70-130 | 3 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 89 | 87 | 70-138 | 3 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 89 | 85 | 71-150 | 4 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 100 | 102 | 70-130 | 1 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 88 | 89 | 60-135 | 1 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 79 | 80 | 66-129 | 2 | 25 |
| Carbon Disulfide | N.D. | 0.50 | ppb(v) | 81 | 83 | 56-106 | 3 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 92 | 92 | 70-130 | 0 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 75 | 73 | 70-130 | 3 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 92 | 90 | 71-129 | 2 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 85 | 85 | 70-130 | 1 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 96 | 100 | 58-129 | 4 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 82 | 79 | 68-138 | 4 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 78 | 76 | 71-135 | 3 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 82 | 77 | 71-143 | 6 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 81 | 77 | 68-136 | 6 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 83 | 78 | 67-140 | 6 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 110 | 113 | 72-140 | 2 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 84 | 83 | 66-126 | 2 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 91 | 88 | 70-130 | 4 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 86 | 86 | 64-117 | 0 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 84 | 83 | 69-120 | 0 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 86 | 86 | 67-121 | 1 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 78 | 77 | 70-130 | 2 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 78 | 76 | 67-134 | 2 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 72 | 70 | 67-134 | 4 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 75 | 71 | 70-130 | 5 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 74 | 70 | 69-135 | 7 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 86 | 85 | 67-115 | 1 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 92 | 94 | 66-120 | 2 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 79 | 78 | 60-125 | 2 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 77 | 77 | 62-120 | 0 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 71 | 69 | 54-166 | 3 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 74 | 74 | 64-124 | 1 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 78 | 77 | 61-145 | 1 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 84 | 83 | 70-130 | 2 | 25 |
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 78 | 73 | 70-139 | 6 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 81 | 77 | 67-145 | 5 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 82 | 79 | 70-130 | 3 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 77 | 74 | 70-130 | 4 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 89 | 89 | 70-130 | 1 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 85 | 81 | 68-128 | 4 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 91 | 89 | 70-130 | 2 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 105 | 107 | 70-130 | 1 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 76 | 72 | 69-138 | 6 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1291899
Reported: 03/19/12 at 05:56 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 76 | 72 | 71-142 | 5 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 102 | 106 | 70-130 | 4 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 80 | 76 | 70-130 | 5 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 82 | 77 | 70-130 | 6 | 25 |
| Batch number: D1207430AB | Sample number(s): 6559963,6559966 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 87 | 87 | 67-138 | 1 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 84 | 81 | 70-130 | 3 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 89 | 87 | 70-138 | 3 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 89 | 85 | 71-150 | 4 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 100 | 102 | 70-130 | 1 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 88 | 89 | 60-135 | 1 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 79 | 80 | 66-129 | 2 | 25 |
| Carbon Disulfide | N.D. | 0.50 | ppb(v) | 81 | 83 | 56-106 | 3 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 92 | 92 | 70-130 | 0 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 75 | 73 | 70-130 | 3 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 92 | 90 | 71-129 | 2 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 85 | 85 | 70-130 | 1 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 96 | 100 | 58-129 | 4 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 82 | 79 | 68-138 | 4 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 78 | 76 | 71-135 | 3 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 82 | 77 | 71-143 | 6 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 81 | 77 | 68-136 | 6 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 83 | 78 | 67-140 | 6 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 110 | 113 | 72-140 | 2 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 84 | 83 | 66-126 | 2 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 91 | 88 | 70-130 | 4 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 86 | 86 | 64-117 | 0 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 84 | 83 | 69-120 | 0 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 86 | 86 | 67-121 | 1 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 78 | 77 | 70-130 | 2 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 78 | 76 | 67-134 | 2 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 72 | 70 | 67-134 | 4 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 75 | 71 | 70-130 | 5 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 74 | 70 | 69-135 | 7 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 86 | 85 | 67-115 | 1 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 92 | 94 | 66-120 | 2 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 79 | 78 | 60-125 | 2 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 77 | 77 | 62-120 | 0 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 71 | 69 | 54-166 | 3 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 74 | 74 | 64-124 | 1 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 78 | 77 | 61-145 | 1 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 84 | 83 | 70-130 | 2 | 25 |
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 78 | 73 | 70-139 | 6 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 81 | 77 | 67-145 | 5 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 82 | 79 | 70-130 | 3 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 77 | 74 | 70-130 | 4 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1291899
Reported: 03/19/12 at 05:56 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 89 | 89 | 70-130 | 1 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 85 | 81 | 68-128 | 4 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 91 | 89 | 70-130 | 2 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 105 | 107 | 70-130 | 1 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 76 | 72 | 69-138 | 6 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 76 | 72 | 71-142 | 5 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 102 | 106 | 70-130 | 4 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 80 | 76 | 70-130 | 5 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 82 | 77 | 70-130 | 6 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Lancaster Laboratories Inc
2425 New Holland Pike
Lancaster, PA 17601
Tel: (717) 656-2300

# TO-15 External Chain of Custody Record/Field Test Data Sheets

Lancaster Laboratories

A6556 / 1291899 / 6559951-72

| | | | |
|---|---|---|---|
| **Client Contact Information** | **Project Manager:** Todd Hall | **Carrier:** | ___ of ___ COCs |
| Company: Roadrunner Express Inc. | **Phone:** Todd.Hall 802-229-4600 | **Samplers Name(s)** | Analysis / Matrix |
| Address: 3945 Thurmond Tanner Road, . | **Site Contact:** | | |
| City/State/Zip: Flowery Branch,GA 30542 | | | |
| Phone: 770-967-6501 | | | |
| FAX: | | | |
| Project Name: Avery Dennison / Flowery Branch, GA | **Analysis Turnaround Time** | | |
| Site: | Standard (Specify) ✓ | | |
| PO # : | Rush (Specify)_____ | | |

| Sample Identification | Sample Date(s) | Time Start (24 hr clock) | Time Stop (24 hr clock) | Canister Pressure in Field ("Hg) (Start) | Canister Pressure in Field ("Hg) (Stop) | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Flow Reg. ID | Can ID | Can Size (L) | Controller Flowrate (ml/min) | TO-15 | Indoor Air | Ambient Air | Soil Gas | Sub Slab |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MP 11 | 2/23/12 | 16:01 | | | | | | | 943 | 1 | | X | | | | |
| Undiluted | 2/23/12 | 15:53 | | | | | | | 991 | 1 | | X | | | | |
| MP 03 | 2/23/12 | 14:51 | | | | | | | 939 | 1 | | X | | | | |
| Blower | 2/23/12 | 15:50 | | | | | | | 984 | 1 | | X | | | | |
| MP 04 | 2/23/12 | 14:42 | | | | | | | 942 | 1 | | X | | | | |
| MW 64 | 2/23/12 | 15:14 | | | | | | | 1045 | 1 | | X | | | | |

| Temperature (Fahrenheit) | Ambient | Maximum | Minimum |
|---|---|---|---|
| Start | | | |
| Stop | | | |

| Pressure (inches of Hg) | Ambient | Maximum | Minimum |
|---|---|---|---|
| Start | | | |
| Stop | | | |

**Special Instructions/QC Requirements & Comments:**

| | | | |
|---|---|---|---|
| Canisters Shipped by: | Date/Time: | Canisters Received by: Calvin Pruitt | Date/Time: 2/23/12 |
| Samples Relinquished by: Calvin Pruitt | Date/Time: 2/24/12 9:00am | Received by: | Date/Time: |
| Relinquished by: | Date/Time: | Received by: Deborah Nesel | Date/Time: 2/28/12 0930 |

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Lancaster, PA 17601
Tel: (717) 656-2300

# TO-15 External Chain of Custody Record/Field Test Data Sheets

Lancaster Laboratories

A6556 / 1291899 / 6559951-72

| | | | |
|---|---|---|---|
| **Client Contact Information** | **Project Manager:** | **Carrier:** | ___ of ___ COCs |
| Company: Roadrunner Express Inc. | **Phone:** | **Samplers Name(s)** | **Analysis** / **Matrix** |
| Address: 3945 Thurmond Tanner Road, , | **Site Contact:** | | |
| City/State/Zip: Flowery Branch,GA 30542 | | | |
| Phone: 770-967-6501 | | | |
| FAX: | | | |
| Project Name: Avery Dennison / Flowery Branch, GA | **Analysis Turnaround Time** | | |
| Site: | Standard (Specify) | | |
| PO # : | Rush (Specify) | | |

| Sample Identification | Sample Date(s) | Time Start (24 hr clock) | Time Stop (24 hr clock) | Canister Pressure in Field ("Hg) (Start) | Canister Pressure in Field ("Hg) (Stop) | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Flow Reg. ID | Can ID | Can Size (L) | Controller Flowrate (ml/min) | TO-15 | | | Indoor Air | Ambient Air | Soil Gas | Sub Slab |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MP 08 | 2/23/12 | 15:21 | | | | | | | 987 | 1 | | X | | | | | | |
| VW 6 | 2/23/12 | 14:47 | | | | | | | 988 | 1 | | X | | | | | | |
| MP 05 | 2/23/12 | 14:38 | | | | | | | 951 | 1 | | X | | | | | | |
| MW 65S | 2/23/12 | 15:26 | | | | | | | 929 | 1 | | X | | | | | | |
| MP 07 | 2/23/12 | 15:09 | | | | | | | 985 | 1 | | X | | | | | | |
| SVE 3 | 2/23/12 | 15:36 | | | | | | | 979 | 1 | | X | | | | | | |

| Temperature (Fahrenheit) | Ambient | Maximum | Minimum |
|---|---|---|---|
| Start | | | |
| Stop | | | |

| Pressure (inches of Hg) | Ambient | Maximum | Minimum |
|---|---|---|---|
| Start | | | |
| Stop | | | |

**Special Instructions/QC Requirements & Comments:**

| | | | |
|---|---|---|---|
| Canisters Shipped by: | Date/Time: | Canisters Received by: | Date/Time: |
| Samples Relinquished by: | Date/Time: | Received by: | Date/Time: |
| Relinquished by: | Date/Time: | Received by: Deborah Nesel | Date/Time: 2/28/12 0930 |

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Lancaster, PA 17601
Tel: (717) 656-2300

# TO-15 External Chain of Custody Record/Field Test Data Sheets

Lancaster Laboratories

A6556 / 1291899 / 6559951-72

| Client Contact Information | Project Manager: | Carrier: | ___ of ___ COCs |
|---|---|---|---|
| Company: Roadrunner Express Inc. | Phone: | Samplers Name(s) | Analysis / Matrix |
| Address: 3945 Thurmond Tanner Road, , | Site Contact: | | |
| City/State/Zip: Flowery Branch,GA 30542 | | | |
| Phone: 770-967-6501 | | | |
| FAX: | | | |
| Project Name: Avery Dennison / Flowery Branch, GA | Analysis Turnaround Time | | |
| Site: | Standard (Specify) | | |
| PO # : | Rush (Specify) | | |

| Sample Identification | Sample Date(s) | Time Start (24 hr clock) | Time Stop (24 hr clock) | Canister Pressure in Field ("Hg) (Start) | Canister Pressure in Field ("Hg) (Stop) | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Flow Reg. ID | Can ID | Can Size (L) | Controller Flowrate (ml/min) | TO-15 | | | Indoor Air | Ambient Air | Soil Gas | Sub Slab |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MP 06 | 2/23/12 | 15:05 | | | | | | | 971 | 1 | | X | | | | | | |
| SVE 6 | 2/23/12 | 15:00 | | | | | | | 986 | 1 | | X | | | | | | |
| VW-5 | 2/23/12 | 15:18 | | | | | | | 997 | 1 | | X | | | | | | |
| SVE 4 | 2/23/12 | 15:32 | | | | | | | 958 | 1 | | X | | | | | | |
| MP 10 | 2/23/12 | 16:10 | | | | | | | 989 | 1 | | X | | | | | | |
| MP 02 | 2/23/12 | 16:05 | | | | | | | 946 | 1 | | X | | | | | | |

| Temperature (Fahrenheit) | Ambient | Maximum | Minimum |
|---|---|---|---|
| Start | | | |
| Stop | | | |

| Pressure (inches of Hg) | Ambient | Maximum | Minimum |
|---|---|---|---|
| Start | | | |
| Stop | | | |

Special Instructions/QC Requirements & Comments:

| Canisters Shipped by: | Date/Time: | Canisters Received by: | Date/Time: |
|---|---|---|---|
| Samples Relinquished by: | Date/Time: | Received by: | Date/Time: |
| Relinquished by: | Date/Time: | Received by: Deborah Neal | Date/Time: 2/28/12 0930 |

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Tel: (717) 656-2300

# TO-15 External Chain of Custody Record/Field Test Data Sheets

Lancaster Laboratories

A6556 / 1291899 / 6559951-72

| | | | |
|---|---|---|---|
| **Client Contact Information** | **Project Manager:** | **Carrier:** | ___ of ___ COCs |
| Company: Roadrunner Express Inc. | **Phone:** | **Samplers Name(s)** | **Analysis** / **Matrix** |
| Address: 3945 Thurmond Tanner Road, . | **Site Contact:** | | |
| City/State/Zip: Flowery Branch,GA 30542 | | | |
| Phone: 770-967-6501 | | | |
| FAX: | | | |
| Project Name: Avery Dennison / Flowery Branch, GA | **Analysis Turnaround Time** | | |
| Site: | Standard (Specify) | | |
| PO # : | Rush (Specify) | | |

| Sample Identification | Sample Date(s) | Time Start (24 hr clock) | Time Stop (24 hr clock) | Canister Pressure in Field ("Hg) (Start) | Canister Pressure in Field ("Hg) (Stop) | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Flow Reg. ID | Can ID | Can Size (L) | Controller Flowrate (ml/min) | TO-15 | | | Indoor Air | Ambient Air | Soil Gas | Sub Slab |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SVE 1 | 2/23/12 | 15:43 | | | | | | | 1061 | 1 | | X | | | | | | |
| SVE 5 | 2/23/12 | 14:56 | | | | | | | 965 | 1 | | X | | | | | | |
| SVE 2 | 2/23/12 | 15:40 | | | | | | | 1011 | 1 | | X | | | | | | |
| MP 09 | 2/23/12 | 15:47 | | | | | | | 916 | 1 | | X | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |

| Temperature (Fahrenheit) | Ambient | Maximum | Minimum |
|---|---|---|---|
| Start | | | |
| Stop | | | |

| Pressure (inches of Hg) | Ambient | Maximum | Minimum |
|---|---|---|---|
| Start | | | |
| Stop | | | |

**Special Instructions/QC Requirements & Comments:**

| | | | |
|---|---|---|---|
| Canisters Shipped by: | Date/Time: | ~~Canisters Received by:~~ | Date/Time: |
| Samples Relinquished by: | Date/Time: | Received by: | ~~Date/Time:~~ |
| Relinquished by: | Date/Time: | Received by: Deborah Neslund | Date/Time: 2/28/12 0930 |

A6556 / 1291899
6559951-72

**Interim Soil Vapor Extraction System - System Data**
**Avery Dennison Facility, Flowery Branch, GA**

Date: 2-23-12 Field Representative(s): Calvin & Jerry

| Sample Location | Time Collected | Cannister # | Starting Pressure | Final Pressure | Comments |
|---|---|---|---|---|---|
| MP-02 ✓ | 4:05 | 946 | | | |
| MP-03 ✓ | 2:51 | 939 | | | |
| MP-04 ✓ | 2:42 | 942 | | | |
| MP-05 ✓ | 2:38 | 951 | | | |
| MP-06 ✓ | 3:05 | 971 | | | |
| MP-07 ✓ | 3:09 | 985 | | | |
| MP-08 ✓ | 3:21 | 987 | | | |
| MP-09 ✓ | 3:57 | 916 | | | |
| MP-10 ✓ | 4:16 | 989 | | | |
| MP-11 ✓ | 4:01 | 943 | | | |
| VW-3 | OFF | OFF | | | |
| VW-5 ✓ | 3:18 | 997 | | | |
| VW-6 ✓ | 2:47 | 988 | | | |
| MW-64 ✓ | 3:14 | 1045 | | | |
| MW-65s ✓ | 3:26 | 929 | | | |
| SVE-1 ✓ | 3:43 | 1061 | | | |
| SVE-2 ✓ | 3:40 | 1011 | | | |
| SVE-3 ✓ | 3:36 | 979 | | | |
| SVE-4 ✓ | 3:32 | 958 | | | |
| SVE-5 ✓ | 2:56 | 965 | | | |
| SVE-6 ✓ | 3:00 | 986 | | | |
| Undiluted ✓ | 3:53 | 991 | | | |
| Blower Exhaust ✓ | 3:56 | 984 | | | |

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# Environmental Sample Administration
# Receipt Documentation Log

**Client/Project:** Johnson Co.

**Date of Receipt:** 2/28/12

**Time of Receipt:** 0930

**Source Code:** 60-1

**Shipping Container Sealed:** (YES) NO

**Custody Seal Present * :** YES (NO)

* Custody seal was intact unless otherwise noted in the discrepancy section

**Package:** Chilled (Not Chilled)

Temperature of Shipping Containers

| Cooler # | Thermometer ID | Temperature (°C) | Temp Bottle (TB) or Surface Temp (ST) | Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP) | Ice Present? Y/N | Loose (L) Bagged Ice (B) or NA | Comments |
|---|---|---|---|---|---|---|---|
| 1 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |

**Number of Trip Blanks received NOT listed on chain of custody:** Ø

**Paperwork Discrepancy/Unpacking Problems:**

**Unpacker Signature/Emp#:** [signature] 208 **Date/Time:** 2/28/12 0940

Issued by Dept. 6042 Management

2174.06

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# Explanation of Symbols and Abbreviations

*The following defines common symbols and abbreviations used in reporting technical data:*

| | | | |
|---|---|---|---|
| **RL** | Reporting Limit | **BMQL** | Below Minimum Quantitation Level |
| **N.D.** | none detected | **MPN** | Most Probable Number |
| **TNTC** | Too Numerous To Count | **CP Units** | cobalt-chloroplatinate units |
| **IU** | International Units | **NTU** | nephelometric turbidity units |
| **umhos/cm** | micromhos/cm | **ng** | nanogram(s) |
| **C** | degrees Celsius | **F** | degrees Fahrenheit |
| **meq** | milliequivalents | **lb.** | pound(s) |
| **g** | gram(s) | **kg** | kilogram(s) |
| **µg** | microgram(s) | **mg** | milligram(s) |
| **mL** | milliliter(s) | **L** | liter(s) |
| **m3** | cubic meter(s) | **µL** | microliter(s) |
| | | **pg/L** | picogram/liter |

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

*Data Qualifiers:*

**C –** result confirmed by reanalysis.

**J -** estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

*U.S. EPA CLP Data Qualifiers:*

| **Organic Qualifiers** | | **Inorganic Qualifiers** | |
|---|---|---|---|
| **A** | TIC is a possible aldol-condensation product | **B** | Value is <CRDL, but ≥IDL |
| **B** | Analyte was also detected in the blank | **E** | Estimated due to interference |
| **C** | Pesticide result confirmed by GC/MS | **M** | Duplicate injection precision not met |
| **D** | Compound quantitated on a diluted sample | **N** | Spike sample not within control limits |
| **E** | Concentration exceeds the calibration range of the instrument | **S** | Method of standard additions (MSA) used for calculation |
| **N** | Presumptive evidence of a compound (TICs only) | **U** | Compound was not detected |
| **P** | Concentration difference between primary and confirmation columns >25% | **W** | Post digestion spike out of control limits |
| **U** | Compound was not detected | ***** | Duplicate analysis not within control limits |
| **X,Y,Z** | Defined in case narrative | **+** | Correlation coefficient for MSA <0.995 |

**Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.**

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

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# Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

April 04, 2012

Project: Avery Dennison / Flowery Branch, GA

Submittal Date: 03/15/2012
Group Number: 1295444
PO Number: 1-0145-4
State of Sample Origin: GA

| Client Sample Description | Lancaster Labs (LLI) # |
|---|---|
| MP06 Air | 6579095 |
| VW3 Air | 6579096 |
| MW64 Air | 6579097 |

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO The Johnson Company, Inc. Attn: Todd Hall

Respectfully Submitted,

Wendy A. Kozma
Principal Specialist Group Leader

(717) 556-7257

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2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

# Analysis Report



**Sample Description:** MP06 Air
SC# 940
Avery Dennison / Flowery Branch, GA

**LLI Sample #** AQ 6579095
**LLI Group #** 1295444
**Account #** 06556

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/12/2012 09:25 by CP

Submitted: 03/15/2012 09:15
Reported: 04/04/2012 18:53

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 16 | | 2.5 | 38 | | 5.9 | 5 |
| 05298 | Benzene | 71-43-2 | N.D. | | 1.0 | N.D. | | 3.2 | 5 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 1.0 | N.D. | | 6.4 | 5 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 1.0 | N.D. | | 6.7 | 5 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 1.0 | N.D. | | 10 | 5 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 1.0 | N.D. | | 3.9 | 5 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 2.5 | N.D. | | 5.5 | 5 |
| 05298 | 2-Butanone | 78-93-3 | 2.7 | J | 2.5 | 8.1 | J | 7.4 | 5 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 2.5 | N.D. | | 7.8 | 5 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 1.0 | N.D. | | 6.3 | 5 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 1.0 | N.D. | | 4.6 | 5 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 1.8 | J | 1.0 | 6.2 | J | 3.5 | 5 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 1.0 | N.D. | | 2.6 | 5 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 1.0 | N.D. | | 4.9 | 5 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 1.0 | N.D. | | 2.1 | 5 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 1.0 | N.D. | | 3.1 | 5 |
| 05298 | Cumene | 98-82-8 | N.D. | | 1.0 | N.D. | | 4.9 | 5 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 1.0 | N.D. | | 8.5 | 5 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 1.0 | N.D. | | 7.7 | 5 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 1.0 | N.D. | | 7.1 | 5 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 1.0 | N.D. | | 6.0 | 5 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 1.0 | N.D. | | 6.0 | 5 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 1.0 | N.D. | | 6.0 | 5 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 1.0 | N.D. | | 4.9 | 5 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 1.5 | J | 1.0 | 6.1 | J | 4.0 | 5 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 1.0 | N.D. | | 4.0 | 5 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 90 | | 1.0 | 360 | | 4.0 | 5 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | 1.2 | J | 1.0 | 4.8 | J | 4.0 | 5 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 1.0 | N.D. | | 4.0 | 5 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 1.0 | N.D. | | 4.2 | 5 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 1.0 | N.D. | | 4.6 | 5 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 1.0 | N.D. | | 4.5 | 5 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 1.0 | N.D. | | 4.5 | 5 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 1.0 | N.D. | | 4.3 | 5 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 1.0 | N.D. | | 4.9 | 5 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 2.5 | N.D. | | 19 | 5 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 1.0 | N.D. | | 7.0 | 5 |
| 05298 | Heptane | 142-82-5 | N.D. | | 1.0 | N.D. | | 4.1 | 5 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 1.0 | N.D. | | 9.7 | 5 |
| 05298 | Hexane | 110-54-3 | N.D. | | 1.0 | N.D. | | 3.5 | 5 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 2.5 | N.D. | | 10 | 5 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 1.0 | N.D. | | 4.7 | 5 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 1.0 | N.D. | | 3.6 | 5 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 2.5 | N.D. | | 10 | 5 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 1.0 | N.D. | | 3.5 | 5 |
| 05298 | Octane | 111-65-9 | N.D. | | 1.0 | N.D. | | 4.7 | 5 |
| 05298 | Pentane | 109-66-0 | N.D. | | 1.0 | N.D. | | 3.0 | 5 |
| 05298 | Styrene | 100-42-5 | N.D. | | 1.0 | N.D. | | 4.3 | 5 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 1.0 | N.D. | | 6.9 | 5 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 1.0 | N.D. | | 6.9 | 5 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 1.0 | N.D. | | 6.8 | 5 |

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# Analysis Report



**Sample Description: MP06 Air**
**SC# 940**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6579095**
**LLI Group # 1295444**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/12/2012 09:25 by CP

Submitted: 03/15/2012 09:15
Reported: 04/04/2012 18:53

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 6.0 | | 1.0 | 23 | | 3.8 | 5 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 21 | | 1.0 | 110 | | 5.5 | 5 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 1.0 | N.D. | | 5.5 | 5 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 1.0 | N.D. | | 5.4 | 5 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 4.5 | J | 1.0 | 25 | J | 5.6 | 5 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 1.0 | N.D. | | 6.0 | 5 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 1.0 | N.D. | | 4.9 | 5 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 1.0 | N.D. | | 4.9 | 5 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 1.0 | N.D. | | 2.6 | 5 |
| 05298 | m/p-Xylene | 179601-23-1 | 1.2 | J | 1.0 | 5.1 | J | 4.3 | 5 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 1.0 | N.D. | | 4.3 | 5 |

The reporting limits for the GC/MS volatile compounds were raised due to the level of non-target compounds.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1209330AB | 04/04/2012 05:50 | Michael A Ziegler | 5 |

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# Analysis Report



**Sample Description:** VW3 Air
SC# 918
Avery Dennison / Flowery Branch, GA

**LLI Sample #** AQ 6579096
**LLI Group #** 1295444
**Account #** 06556

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/12/2012 09:30 by CP

Submitted: 03/15/2012 09:15
Reported: 04/04/2012 18:53

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 2,000 | | 50 | 4,800 | | 120 | 100 |
| 05298 | Benzene | 71-43-2 | N.D. | | 20 | N.D. | | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 50 | N.D. | | 110 | 100 |
| 05298 | 2-Butanone | 78-93-3 | 1,000 | | 50 | 3,000 | | 150 | 100 |
| 05298 | Carbon Disulfide | 75-15-0 | 160 | | 50 | 490 | | 160 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 40 | J | 20 | 140 | J | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | 35 | J | 20 | 91 | J | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 20 | N.D. | | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 20 | N.D. | | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 39 | J | 20 | 160 | J | 81 | 100 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 20 | N.D. | | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 2,600 | | 20 | 10,000 | | 79 | 100 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 20 | N.D. | | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | 130 | | 20 | 550 | | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | 590 | | 20 | 2,100 | | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | 71 | J | 20 | 330 | J | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 220 | | 20 | 760 | | 69 | 100 |
| 05298 | Octane | 111-65-9 | 26 | J | 20 | 120 | J | 93 | 100 |
| 05298 | Pentane | 109-66-0 | 2,000 | | 20 | 5,900 | | 59 | 100 |
| 05298 | Styrene | 100-42-5 | 25 | J | 20 | 100 | J | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | 23 | J | 20 | 150 | J | 140 | 100 |

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# Analysis Report



**Sample Description: VW3 Air**
**SC# 918**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6579096**
**LLI Group # 1295444**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/12/2012 09:30 by CP

Submitted: 03/15/2012 09:15
Reported: 04/04/2012 18:53

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 81 | J | 20 | 310 | J | 75 | 100 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 810 | | 20 | 4,400 | | 110 | 100 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 20 | N.D. | | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 20 | N.D. | | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 20 | N.D. | | 87 | 100 |

The reporting limits for the GC/MS volatile compounds were raised due to the level of non-target compounds.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1209330AB | 04/04/2012 03:34 | Michael A Ziegler | 100 |

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# Analysis Report



**Sample Description:** MW64 Air
SC# 1098
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6579097**
**LLI Group # 1295444**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/12/2012 09:20 by CP

Submitted: 03/15/2012 09:15
Reported: 04/04/2012 18:53

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 750 | J | 500 | 1,800 | J | 1,200 | 1000 |
| 05298 | Benzene | 71-43-2 | N.D. | | 200 | N.D. | | 640 | 1000 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 200 | N.D. | | 2,100 | 1000 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 200 | N.D. | | 780 | 1000 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 500 | N.D. | | 1,100 | 1000 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 500 | N.D. | | 1,500 | 1000 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 500 | N.D. | | 1,600 | 1000 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 200 | N.D. | | 710 | 1000 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 200 | N.D. | | 530 | 1000 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 200 | N.D. | | 410 | 1000 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 200 | N.D. | | 630 | 1000 |
| 05298 | Cumene | 98-82-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 200 | N.D. | | 1,700 | 1000 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 200 | N.D. | | 1,500 | 1000 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 200 | N.D. | | 990 | 1000 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 7,400 | | 200 | 30,000 | | 810 | 1000 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 200 | N.D. | | 810 | 1000 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 630,000 | | 10,000 | 2,500,000 | | 40,000 | 50000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 200 | N.D. | | 840 | 1000 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 200 | N.D. | | 870 | 1000 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 500 | N.D. | | 3,800 | 1000 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Heptane | 142-82-5 | N.D. | | 200 | N.D. | | 820 | 1000 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 200 | N.D. | | 1,900 | 1000 |
| 05298 | Hexane | 110-54-3 | 220 | J | 200 | 770 | J | 700 | 1000 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 200 | N.D. | | 720 | 1000 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Methylene Chloride | 75-09-2 | 630 | J | 200 | 2,200 | J | 690 | 1000 |
| 05298 | Octane | 111-65-9 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Pentane | 109-66-0 | 730 | J | 200 | 2,100 | J | 590 | 1000 |
| 05298 | Styrene | 100-42-5 | N.D. | | 200 | N.D. | | 850 | 1000 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Tetrachloroethene | 127-18-4 | 240 | J | 200 | 1,600 | J | 1,400 | 1000 |

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# Analysis Report



**Sample Description: MW64 Air**
**SC# 1098**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6579097**
**LLI Group # 1295444**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/12/2012 09:20 by CP

Submitted: 03/15/2012 09:15
Reported: 04/04/2012 18:53

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 2,200 | | 200 | 8,200 | | 750 | 1000 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 160,000 | | 10,000 | 860,000 | | 55,000 | 50000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 200 | N.D. | | 1,100 | 1000 |
| 05298 | Trichloroethene | 79-01-6 | 310 | J | 200 | 1,700 | J | 1,100 | 1000 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 200 | N.D. | | 1,100 | 1000 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 200 | N.D. | | 510 | 1000 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 200 | N.D. | | 870 | 1000 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 200 | N.D. | | 870 | 1000 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1209330AB | 04/04/2012 04:18 | Michael A Ziegler | 1000 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1209330AB | 04/04/2012 15:35 | Michael A Ziegler | 50000 |

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# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1295444
Reported: 04/04/12 at 06:53 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

## Laboratory Compliance Quality Control

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: D1209330AB | Sample number(s): 6579095-6579097 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 94 | 104 | 67-138 | 10 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 92 | 100 | 70-130 | 8 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 97 | 106 | 70-138 | 9 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 102 | 108 | 71-150 | 6 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 108 | 114 | 70-130 | 6 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 96 | 103 | 60-135 | 7 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 82 | 93 | 66-129 | 13 | 25 |
| Carbon Disulfide | N.D. | 0.50 | ppb(v) | 75 | 81 | 56-106 | 7 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 98 | 108 | 70-130 | 10 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 90 | 95 | 70-130 | 6 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 101 | 111 | 71-129 | 9 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 90 | 99 | 70-130 | 9 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 99 | 108 | 58-129 | 9 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 97 | 103 | 68-138 | 7 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 94 | 100 | 71-135 | 7 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 93 | 99 | 71-143 | 6 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 91 | 97 | 68-136 | 7 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 94 | 99 | 67-140 | 6 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 114 | 123 | 72-140 | 8 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 88 | 97 | 66-126 | 9 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 104 | 114 | 70-130 | 9 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 89 | 97 | 64-117 | 9 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 90 | 98 | 69-120 | 9 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 88 | 97 | 67-121 | 10 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 84 | 92 | 70-130 | 9 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 87 | 96 | 67-134 | 11 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 90 | 97 | 67-134 | 7 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 93 | 99 | 70-130 | 7 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 86 | 92 | 69-135 | 7 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 85 | 93 | 67-115 | 9 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 96 | 103 | 66-120 | 7 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 91 | 99 | 60-125 | 9 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 78 | 86 | 62-120 | 10 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 82 | 89 | 54-166 | 8 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 75 | 82 | 64-124 | 10 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 82 | 92 | 61-145 | 11 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 83 | 91 | 70-130 | 9 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1295444
Reported: 04/04/12 at 06:53 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 91 | 96 | 70-139 | 5 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 91 | 97 | 67-145 | 6 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 91 | 96 | 70-130 | 5 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 93 | 98 | 70-130 | 5 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 94 | 103 | 70-130 | 9 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 98 | 104 | 68-128 | 6 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 99 | 107 | 70-130 | 8 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 112 | 119 | 70-130 | 5 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 88 | 95 | 69-138 | 8 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 89 | 96 | 71-142 | 7 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 106 | 115 | 70-130 | 8 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 95 | 100 | 70-130 | 6 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 96 | 102 | 70-130 | 6 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Summa Canister Field Test Data/Chain of Custody

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Acct. # 6556 For Lancaster Laboratories use only Group # 1295444 Sample # 6579095-97

Instructions on reverse side correspond with circled numbers.

**(1) Client Information**

Client: Johnson Company
Account #:
Project Name/#: Flowery Branch SVE
Project Manager: Todd Hall
P.O. #:
Sampler: Calvin Pruitt
Quote #:
Name of state where samples were collected: GA

**(3) Turnaround Time Requested (TAT)** (circle one)

Standard
Rush (specify) _____

**(4) Data Package Required?**

Yes No

**(5) EDD Required?**

Yes No

| (2) Sample Identification | Sample Collection Date | Time Start (24 hr clock) | Time Stop (24 hr clock) | Canister Pressure in Field ("Hg) (Start) | Canister Pressure in Field ("Hg) (Stop) | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Flow Reg. ID | Can ID | Can Size (L) | Controller Flowrate (ml/min) | (6) EPA TO - 15 | EPA 18 | EPA 25 (select range below) | Helium as tracer | O2/CO2 | Library Search | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MP 06 | 3/12 | 9:25 | | | | | | N/A 940 | 1 | 1 | N/A | X | | | | | | |
| VW 3 | 3/12 | 9:30 | | | | | | N/A 918 | 2 | 1 | N/A | X | | | | | | |
| MW 64 | 3/12 | 9:20 | | | | | | N/A 1095 | 3 | 1 | N/A | X | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |

**(7) Instructions/QC Requirements & Comments**

**EPA 25** (check one)
☐ C1 - C4 ☐ C2 - C10
☐ C1 - C10 ☐ C4 - C10 (GRO)
☐ C2 - C4

| Canisters Shipped by: | Date/Time: | Canisters Received by: | (8) Date/Time |
|---|---|---|---|
| | | Calvin Pruitt | 3/12/12 8:00 |
| Relinquished by: Calvin Pruitt | Date/Time: 3/13/12 9:00am | Received by: | Date/Time: |
| Relinquished by: | Date/Time: | Received by: Mary K. Head | Date/Time: 3-15-12 0915 |

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# Environmental Sample Administration
# Receipt Documentation Log

**Client/Project:** Johnson Company

**Date of Receipt:** 3-15-12

**Time of Receipt:** 0915

**Source Code:** 50

**Shipping Container Sealed:** (YES) NO

**Custody Seal Present * :** YES (NO)

* Custody seal was intact unless otherwise noted in the discrepancy section

**Package:** Chilled (Not Chilled)

| Temperature of Shipping Containers | | | | | | | |
|---|---|---|---|---|---|---|---|
| Cooler # | Thermometer ID | Temperature (°C) | Temp Bottle (TB) or Surface Temp (ST) | Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP) | Ice Present? Y/N | Loose (L) Bagged Ice (B) or NA | Comments |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |

**Number of Trip Blanks received NOT listed on chain of custody:** Ø

**Paperwork Discrepancy/Unpacking Problems:**

+ 1 Flow Controller
+ Bag Tubing

**Unpacker Signature/Emp#:** Nancy A. Hess **Date/Time:** 3-15-12 1010

Issued by Dept. 6042 Management

2174.06

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# Explanation of Symbols and Abbreviations

*The following defines common symbols and abbreviations used in reporting technical data:*

| | | | |
|---|---|---|---|
| **RL** | Reporting Limit | **BMQL** | Below Minimum Quantitation Level |
| **N.D.** | none detected | **MPN** | Most Probable Number |
| **TNTC** | Too Numerous To Count | **CP Units** | cobalt-chloroplatinate units |
| **IU** | International Units | **NTU** | nephelometric turbidity units |
| **umhos/cm** | micromhos/cm | **ng** | nanogram(s) |
| **C** | degrees Celsius | **F** | degrees Fahrenheit |
| **meq** | milliequivalents | **lb.** | pound(s) |
| **g** | gram(s) | **kg** | kilogram(s) |
| **µg** | microgram(s) | **mg** | milligram(s) |
| **mL** | milliliter(s) | **L** | liter(s) |
| **m3** | cubic meter(s) | **µL** | microliter(s) |
| | | **pg/L** | picogram/liter |

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

*Data Qualifiers:*

**C –** result confirmed by reanalysis.

**J -** estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

*U.S. EPA CLP Data Qualifiers:*

| **Organic Qualifiers** | | **Inorganic Qualifiers** | |
|---|---|---|---|
| **A** | TIC is a possible aldol-condensation product | **B** | Value is <CRDL, but ≥IDL |
| **B** | Analyte was also detected in the blank | **E** | Estimated due to interference |
| **C** | Pesticide result confirmed by GC/MS | **M** | Duplicate injection precision not met |
| **D** | Compound quantitated on a diluted sample | **N** | Spike sample not within control limits |
| **E** | Concentration exceeds the calibration range of the instrument | **S** | Method of standard additions (MSA) used for calculation |
| **N** | Presumptive evidence of a compound (TICs only) | **U** | Compound was not detected |
| **P** | Concentration difference between primary and confirmation columns >25% | **W** | Post digestion spike out of control limits |
| **U** | Compound was not detected | ***** | Duplicate analysis not within control limits |
| **X,Y,Z** | Defined in case narrative | **+** | Correlation coefficient for MSA <0.995 |

**Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.**

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

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# Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

April 19, 2012

Project: Avery Dennison / Flowery Branch, GA

Submittal Date: 04/03/2012
Group Number: 1299581
PO Number: 1-0145-4
State of Sample Origin: GA

| Client Sample Description | Lancaster Labs (LLI) # |
|---|---|
| VW 3 Summa Can# 926 Grab Air | 6602949 |
| MW 65S Summa Can# 989 Grab Air | 6602950 |
| VW 6 Summa Can# 920 Grab Air | 6602951 |
| SVE 4 Summa Can# 975 Grab Air | 6602952 |
| SVE 2 Summa Can# 958 Grab Air | 6602953 |
| MP 04 Summa Can# 912 Grab Air | 6602954 |
| Undiluted Summa Can# 1012 Grab Air | 6602955 |
| SVE 1 Summa Can# 949 Grab Air | 6602956 |
| MP 06 Summa Can# 970 Grab Air | 6602957 |
| MP 02 Summa Can# 1062 Grab Air | 6602958 |
| MP 05 Summa Can# 1059 Grab Air | 6602959 |
| MP 03 Summa Can# 941 Grab Air | 6602960 |
| MP 10 Summa Can# 1006 Grab Air | 6602961 |
| SVE 5 Summa Can# 929 Grab Air | 6602962 |
| SVE 3 Summa Can# 925 Grab Air | 6602963 |
| VW 5 Summa Can# 1048 Grab Air | 6602964 |
| MP 08 Summa Can# 922 Grab Air | 6602965 |
| MP 09 Summa Can# 1061 Grab Air | 6602966 |
| SVE 6 Summa Can# 997 Grab Air | 6602967 |
| MP 11 Summa Can# 946 Grab Air | 6602968 |
| MW 64 Summa Can# 944 Grab Air | 6602969 |
| MP 07 Summa Can# 1097 Grab Air | 6602970 |

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

| | | |
|---|---|---|
| ELECTRONIC COPY TO | The Johnson Company, Inc. | Attn: Todd Hall |
| ELECTRONIC COPY TO | The Johnson Company, Inc. | Attn: Patrick Smart |

Respectfully Submitted,



Wendy A. Kozma
Principal Specialist Group Leader

(717) 556-7257

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# Analysis Report



**Sample Description: VW 3 Summa Can# 926 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6602949**
**LLI Group # 1299581**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/29/2012 16:25 by CP

Submitted: 04/03/2012 10:00
Reported: 04/19/2012 23:43

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 35,000 | | 250 | 84,000 | | 590 | 500 |
| 05298 | Benzene | 71-43-2 | N.D. | | 20 | N.D. | | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 50 | N.D. | | 110 | 100 |
| 05298 | 2-Butanone | 78-93-3 | 24,000 | | 250 | 70,000 | | 740 | 500 |
| 05298 | Carbon Disulfide | 75-15-0 | 190 | | 50 | 590 | | 160 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 24 | J | 20 | 84 | J | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 20 | N.D. | | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | 40 | J | 20 | 83 | J | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 20 | N.D. | | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | N.D. | | 20 | N.D. | | 81 | 100 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 20 | N.D. | | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 2,200 | | 20 | 8,500 | | 79 | 100 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 20 | N.D. | | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | 100 | | 20 | 430 | | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | 100 | | 20 | 370 | | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 410 | | 20 | 1,400 | | 69 | 100 |
| 05298 | Octane | 111-65-9 | 40 | J | 20 | 190 | J | 93 | 100 |
| 05298 | Pentane | 109-66-0 | 220 | | 20 | 660 | | 59 | 100 |
| 05298 | Styrene | 100-42-5 | 37 | J | 20 | 160 | J | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Toluene | 108-88-3 | 39 | J | 20 | 150 | J | 75 | 100 |

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# Analysis Report



**Sample Description: VW 3 Summa Can# 926 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6602949**
**LLI Group # 1299581**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/29/2012 16:25 by CP

Submitted: 04/03/2012 10:00
Reported: 04/19/2012 23:43

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 1,100 | | 20 | 6,000 | | 110 | 100 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 22 | J | 20 | 130 | J | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 20 | N.D. | | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | 42 | J | 20 | 180 | J | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 20 | N.D. | | 87 | 100 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1210730AB | 04/17/2012 00:34 | Michael A Ziegler | 100 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1210730AC | 04/17/2012 21:44 | Michael A Ziegler | 500 |

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# Analysis Report



**Sample Description: MW 65S Summa Can# 989 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6602950**
**LLI Group # 1299581**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/29/2012 16:04 by CP

Submitted: 04/03/2012 10:00
Reported: 04/19/2012 23:43

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 5,800 | | 50 | 14,000 | | 120 | 100 |
| 05298 | Benzene | 71-43-2 | N.D. | | 20 | N.D. | | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 50 | N.D. | | 110 | 100 |
| 05298 | 2-Butanone | 78-93-3 | 800 | | 50 | 2,400 | | 150 | 100 |
| 05298 | Carbon Disulfide | 75-15-0 | 130 | | 50 | 410 | | 160 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 20 | N.D. | | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 20 | N.D. | | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 20 | N.D. | | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 20 | N.D. | | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 740 | | 20 | 3,000 | | 81 | 100 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 34 | J | 20 | 140 | J | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 440,000 | | 20,000 | 1,800,000 | | 79,000 | 100000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 20 | N.D. | | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | 82 | J | 20 | 340 | J | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | 96 | J | 20 | 340 | J | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 350 | | 20 | 1,200 | | 69 | 100 |
| 05298 | Octane | 111-65-9 | 42 | J | 20 | 190 | J | 93 | 100 |
| 05298 | Pentane | 109-66-0 | 250 | | 20 | 740 | | 59 | 100 |
| 05298 | Styrene | 100-42-5 | 47 | J | 20 | 200 | J | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | 69 | J | 20 | 470 | J | 140 | 100 |
| 05298 | Toluene | 108-88-3 | 360 | | 20 | 1,300 | | 75 | 100 |

**Sample Description: MW 65S Summa Can# 989 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6602950**
**LLI Group # 1299581**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/29/2012 16:04 by CP

Submitted: 04/03/2012 10:00
Reported: 04/19/2012 23:43

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 38,000 | | 400 | 210,000 | | 2,200 | 2000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | 76 | J | 20 | 410 | J | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | 50 | J | 20 | 130 | J | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 20 | N.D. | | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 20 | N.D. | | 87 | 100 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1210730AB | 04/17/2012 01:22 | Michael A Ziegler | 100 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1210730AB | 04/17/2012 11:42 | Michael A Ziegler | 2000 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1210730AC | 04/17/2012 22:28 | Michael A Ziegler | 100000 |

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# Analysis Report



**Sample Description: VW 6 Summa Can# 920 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6602951**
**LLI Group # 1299581**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/29/2012 15:40 by CP

Submitted: 04/03/2012 10:00
Reported: 04/19/2012 23:43

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 37 | J | 10 | 88 | J | 24 | 20 |
| 05298 | Benzene | 71-43-2 | N.D. | | 4.0 | N.D. | | 13 | 20 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 4.0 | N.D. | | 26 | 20 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 4.0 | N.D. | | 41 | 20 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 10 | N.D. | | 22 | 20 |
| 05298 | 2-Butanone | 78-93-3 | 13 | J | 10 | 37 | J | 29 | 20 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 10 | N.D. | | 31 | 20 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 4.0 | N.D. | | 25 | 20 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 4.0 | N.D. | | 11 | 20 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 4.0 | N.D. | | 8.3 | 20 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 4.0 | N.D. | | 13 | 20 |
| 05298 | Cumene | 98-82-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 4.0 | N.D. | | 34 | 20 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 4.0 | N.D. | | 31 | 20 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 4.0 | N.D. | | 28 | 20 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 59 | | 4.0 | 240 | | 16 | 20 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 1,500 | | 4.0 | 5,800 | | 16 | 20 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 10 | N.D. | | 77 | 20 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 4.0 | N.D. | | 28 | 20 |
| 05298 | Heptane | 142-82-5 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 4.0 | N.D. | | 39 | 20 |
| 05298 | Hexane | 110-54-3 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 10 | N.D. | | 41 | 20 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 4.0 | N.D. | | 19 | 20 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 10 | N.D. | | 41 | 20 |
| 05298 | Methylene Chloride | 75-09-2 | 11 | J | 4.0 | 38 | J | 14 | 20 |
| 05298 | Octane | 111-65-9 | N.D. | | 4.0 | N.D. | | 19 | 20 |
| 05298 | Pentane | 109-66-0 | 15 | J | 4.0 | 43 | J | 12 | 20 |
| 05298 | Styrene | 100-42-5 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Toluene | 108-88-3 | 14 | J | 4.0 | 53 | J | 15 | 20 |

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# Analysis Report



**Sample Description: VW 6 Summa Can# 920 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6602951**
**LLI Group # 1299581**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/29/2012 15:40 by CP

Submitted: 04/03/2012 10:00
Reported: 04/19/2012 23:43

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 15 | J | 4.0 | 84 | J | 22 | 20 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 4.0 | N.D. | | 22 | 20 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 4.0 | N.D. | | 21 | 20 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 5.8 | J | 4.0 | 33 | J | 22 | 20 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 4.0 | N.D. | | 10 | 20 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 4.0 | N.D. | | 17 | 20 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1210730AB | 04/17/2012 12:26 | Michael A Ziegler | 20 |

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# Analysis Report



**Sample Description: SVE 4 Summa Can# 975 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6602952**
**LLI Group # 1299581**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/29/2012 16:09 by CP

Submitted: 04/03/2012 10:00
Reported: 04/19/2012 23:43

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 73 | | 0.50 | 170 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | 0.83 | J | 0.20 | 2.7 | J | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | 0.29 | J | 0.20 | 1.9 | J | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | 0.22 | J | 0.20 | 2.3 | J | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 8.1 | | 0.50 | 24 | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 0.74 | J | 0.50 | 2.3 | J | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | 0.36 | J | 0.20 | 1.7 | J | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 0.61 | J | 0.20 | 2.2 | J | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | 0.32 | J | 0.20 | 0.85 | J | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | 0.47 | J | 0.20 | 2.3 | J | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 1.6 | | 0.20 | 3.3 | | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 5.5 | | 0.20 | 27 | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | 1.3 | | 0.20 | 8.0 | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | 1.2 | | 0.20 | 7.4 | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | 1.6 | | 0.20 | 9.5 | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.53 | J | 0.20 | 2.6 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 0.86 | J | 0.20 | 3.5 | J | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 0.38 | J | 0.20 | 1.5 | J | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 1.2 | | 0.20 | 5.4 | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | 0.84 | J | 0.20 | 4.1 | J | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | 1.2 | J | 0.50 | 4.9 | J | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 0.35 | J | 0.20 | 1.2 | J | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | 0.41 | J | 0.20 | 1.9 | J | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 4.2 | | 0.20 | 12 | | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | 0.63 | J | 0.20 | 2.7 | J | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 0.44 | J | 0.20 | 3.0 | J | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 0.39 | J | 0.20 | 2.7 | J | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 0.51 | J | 0.20 | 1.9 | J | 0.75 | 1 |

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# Analysis Report



**Sample Description: SVE 4 Summa Can# 975 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6602952**
**LLI Group # 1299581**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/29/2012 16:09 by CP

Submitted: 04/03/2012 10:00
Reported: 04/19/2012 23:43

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 1.8 | | 0.20 | 9.9 | | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 3.1 | | 0.20 | 17 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 1.9 | | 0.20 | 9.4 | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | 0.95 | J | 0.20 | 4.7 | J | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 3.7 | | 0.20 | 16 | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 2.1 | | 0.20 | 9.2 | | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1210730AB | 04/17/2012 02:58 | Michael A Ziegler | 1 |

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# Analysis Report



**Sample Description: SVE 2 Summa Can# 958 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6602953**
**LLI Group # 1299581**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/29/2012 16:15 by CP

Submitted: 04/03/2012 10:00
Reported: 04/19/2012 23:43

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 930 | | 50 | 2,200 | | 120 | 100 |
| 05298 | Benzene | 71-43-2 | N.D. | | 20 | N.D. | | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 50 | N.D. | | 110 | 100 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 50 | N.D. | | 150 | 100 |
| 05298 | Carbon Disulfide | 75-15-0 | 170 | | 50 | 520 | | 160 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 20 | N.D. | | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 20 | N.D. | | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 20 | N.D. | | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 20 | N.D. | | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 320 | | 20 | 1,300 | | 81 | 100 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 20 | N.D. | | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 7,100 | | 20 | 28,000 | | 79 | 100 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | 25 | J | 20 | 110 | J | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | 100 | | 20 | 430 | | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | 120 | | 20 | 430 | | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 160 | | 20 | 560 | | 69 | 100 |
| 05298 | Octane | 111-65-9 | 48 | J | 20 | 220 | J | 93 | 100 |
| 05298 | Pentane | 109-66-0 | 430 | | 20 | 1,300 | | 59 | 100 |
| 05298 | Styrene | 100-42-5 | 50 | J | 20 | 210 | J | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Toluene | 108-88-3 | 4,800 | | 20 | 18,000 | | 75 | 100 |

**Sample Description: SVE 2 Summa Can# 958 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6602953**
**LLI Group # 1299581**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/29/2012 16:15 by CP

Submitted: 04/03/2012 10:00
Reported: 04/19/2012 23:43

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 2,900 | | 20 | 16,000 | | 110 | 100 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 20 | N.D. | | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | 53 | J | 20 | 230 | J | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | 23 | J | 20 | 100 | J | 87 | 100 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1210730AB | 04/17/2012 03:46 | Michael A Ziegler | 100 |

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# Analysis Report



**Sample Description: MP 04 Summa Can# 912 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6602954**
**LLI Group # 1299581**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/29/2012 15:33 by CP

Submitted: 04/03/2012 10:00
Reported: 04/19/2012 23:43

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 15 | | 0.50 | 35 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | 0.31 | J | 0.20 | 0.99 | J | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 2.7 | | 0.50 | 8.1 | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 1.0 | | 0.50 | 3.2 | | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 1.7 | | 0.20 | 6.0 | | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 2.0 | | 0.20 | 4.2 | | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.61 | J | 0.20 | 3.0 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 1.4 | | 0.20 | 5.8 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 0.28 | J | 0.20 | 1.1 | J | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 15 | | 0.20 | 59 | | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | 0.36 | J | 0.20 | 1.3 | J | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | 0.22 | J | 0.20 | 1.0 | J | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 0.50 | J | 0.20 | 1.8 | J | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.66 | J | 0.20 | 1.9 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 0.28 | J | 0.20 | 1.9 | J | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 0.33 | J | 0.20 | 1.3 | J | 0.75 | 1 |

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# Analysis Report



**Sample Description: MP 04 Summa Can# 912 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6602954**
**LLI Group # 1299581**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/29/2012 15:33 by CP

Submitted: 04/03/2012 10:00
Reported: 04/19/2012 23:43

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 1.4 | | 0.20 | 7.5 | | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | 0.34 | J | 0.20 | 1.8 | J | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 10 | | 0.20 | 58 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1210730AB | 04/17/2012 04:34 | Michael A Ziegler | 1 |

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# Analysis Report



**Sample Description: Undiluted Summa Can# 1012 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6602955**
**LLI Group # 1299581**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/29/2012 16:38 by CP

Submitted: 04/03/2012 10:00
Reported: 04/19/2012 23:43

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 36 | | 0.50 | 86 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | 0.26 | J | 0.20 | 0.84 | J | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 6.6 | | 0.50 | 19 | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 0.95 | J | 0.50 | 3.0 | J | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 1.6 | | 0.20 | 5.5 | | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 0.85 | J | 0.20 | 1.8 | J | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 5.7 | | 0.20 | 28 | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | 0.67 | J | 0.20 | 4.0 | J | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | 0.70 | J | 0.20 | 4.2 | J | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | 0.67 | J | 0.20 | 4.0 | J | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.66 | J | 0.20 | 3.3 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 11 | | 0.20 | 45 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 0.41 | J | 0.20 | 1.7 | J | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 200 | | 2.0 | 810 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 0.84 | J | 0.20 | 3.7 | J | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | 0.41 | J | 0.20 | 2.0 | J | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | 0.24 | J | 0.20 | 0.85 | J | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | 0.52 | J | 0.50 | 2.1 | J | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 3.2 | | 0.20 | 11 | | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.37 | J | 0.20 | 1.1 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | 0.22 | J | 0.20 | 0.95 | J | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 0.20 | J | 0.20 | 1.4 | J | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 0.63 | J | 0.20 | 4.3 | J | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 74 | | 0.20 | 280 | | 0.75 | 1 |

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# Analysis Report



**Sample Description: Undiluted Summa Can# 1012 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6602955**
**LLI Group # 1299581**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/29/2012 16:38 by CP

Submitted: 04/03/2012 10:00
Reported: 04/19/2012 23:43

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 130 | | 2.0 | 720 | | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | 0.28 | J | 0.20 | 1.5 | J | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 8.6 | | 0.20 | 48 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 2.1 | | 0.20 | 10 | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | 1.6 | | 0.20 | 7.7 | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 3.5 | | 0.20 | 15 | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 1.7 | | 0.20 | 7.4 | | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1210730AB | 04/17/2012 05:22 | Michael A Ziegler | 1 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1210930AA | 04/19/2012 01:56 | Michael A Ziegler | 10 |

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# Analysis Report



**Sample Description: SVE 1 Summa Can# 949 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6602956**
**LLI Group # 1299581**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/29/2012 16:18 by CP

Submitted: 04/03/2012 10:00
Reported: 04/19/2012 23:43

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 1,100 | | 50 | 2,700 | | 120 | 100 |
| 05298 | Benzene | 71-43-2 | N.D. | | 20 | N.D. | | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 50 | N.D. | | 110 | 100 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 50 | N.D. | | 150 | 100 |
| 05298 | Carbon Disulfide | 75-15-0 | 190 | | 50 | 590 | | 160 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 20 | N.D. | | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 20 | N.D. | | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 20 | N.D. | | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 20 | N.D. | | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 180 | | 20 | 750 | | 81 | 100 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 20 | N.D. | | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 7,700 | | 200 | 30,000 | | 790 | 1000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | 43 | J | 20 | 190 | J | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | 130 | | 20 | 520 | | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | 140 | | 20 | 490 | | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 180 | | 20 | 610 | | 69 | 100 |
| 05298 | Octane | 111-65-9 | 64 | J | 20 | 300 | J | 93 | 100 |
| 05298 | Pentane | 109-66-0 | 410 | | 20 | 1,200 | | 59 | 100 |
| 05298 | Styrene | 100-42-5 | 78 | J | 20 | 330 | J | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Toluene | 108-88-3 | 5,500 | | 200 | 21,000 | | 750 | 1000 |

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# Analysis Report



**Sample Description: SVE 1 Summa Can# 949 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6602956**
**LLI Group # 1299581**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/29/2012 16:18 by CP

Submitted: 04/03/2012 10:00
Reported: 04/19/2012 23:43

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 57,000 | | 200 | 310,000 | | 1,100 | 1000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 20 | N.D. | | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | 110 | | 20 | 480 | | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | 48 | J | 20 | 210 | J | 87 | 100 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1210730AB | 04/17/2012 06:10 | Michael A Ziegler | 100 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1210730AC | 04/17/2012 23:56 | Michael A Ziegler | 1000 |

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# Analysis Report



**Sample Description: MP 06 Summa Can# 970 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6602957**
**LLI Group # 1299581**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/29/2012 15:38 by CP

Submitted: 04/03/2012 10:00
Reported: 04/19/2012 23:43

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 19 | | 0.50 | 46 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | 0.23 | J | 0.20 | 0.74 | J | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | 0.32 | J | 0.20 | 2.1 | J | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 3.6 | | 0.50 | 11 | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 2.6 | | 0.50 | 8.1 | | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | 0.23 | J | 0.20 | 1.1 | J | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 1.5 | | 0.20 | 5.3 | | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 1.1 | | 0.20 | 2.2 | | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 4.1 | | 0.20 | 20 | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | 1.4 | | 0.20 | 8.4 | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | 1.2 | | 0.20 | 7.5 | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | 1.4 | | 0.20 | 8.6 | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.60 | J | 0.20 | 3.0 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 3.0 | | 0.20 | 12 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 120 | | 2.0 | 490 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 1.2 | | 0.20 | 5.2 | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | 1.2 | | 0.20 | 6.0 | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | 0.26 | J | 0.20 | 1.2 | J | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 0.46 | J | 0.20 | 1.6 | J | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | 0.22 | J | 0.20 | 1.0 | J | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | N.D. | | 0.20 | N.D. | | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | 0.64 | J | 0.20 | 2.7 | J | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 0.45 | J | 0.20 | 3.1 | J | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 0.34 | J | 0.20 | 2.3 | J | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 10 | | 0.20 | 38 | | 0.75 | 1 |

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# Analysis Report



**Sample Description: MP 06 Summa Can# 970 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6602957**
**LLI Group # 1299581**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/29/2012 15:38 by CP

Submitted: 04/03/2012 10:00
Reported: 04/19/2012 23:43

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 38 | | 0.20 | 210 | | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 10 | | 0.20 | 56 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | 0.23 | J | 0.20 | 1.4 | J | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 5.9 | | 0.20 | 29 | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | 2.3 | | 0.20 | 11 | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 3.8 | | 0.20 | 16 | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 2.3 | | 0.20 | 10 | | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1210730AB | 04/17/2012 06:58 | Michael A Ziegler | 1 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1210730AB | 04/17/2012 15:21 | Jeffrey B Smith | 10 |

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# Analysis Report



**Sample Description: MP 02 Summa Can# 1062 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6602958**
**LLI Group # 1299581**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/29/2012 16:27 by CP

Submitted: 04/03/2012 10:00
Reported: 04/19/2012 23:43

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 5,100 | | 500 | 12,000 | | 1,200 | 1000 |
| 05298 | Benzene | 71-43-2 | N.D. | | 20 | N.D. | | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 50 | N.D. | | 110 | 100 |
| 05298 | 2-Butanone | 78-93-3 | 7,100 | | 50 | 21,000 | | 150 | 100 |
| 05298 | Carbon Disulfide | 75-15-0 | 270 | | 50 | 830 | | 160 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 26 | J | 20 | 91 | J | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 20 | N.D. | | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | 23 | J | 20 | 47 | J | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 20 | N.D. | | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 35 | J | 20 | 140 | J | 81 | 100 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 20 | N.D. | | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 1,900 | | 20 | 7,600 | | 79 | 100 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | 22 | J | 20 | 94 | J | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | 110 | | 20 | 460 | | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | 120 | | 20 | 440 | | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | 170 | J | 50 | 710 | J | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 150 | | 20 | 520 | | 69 | 100 |
| 05298 | Octane | 111-65-9 | 61 | J | 20 | 280 | J | 93 | 100 |
| 05298 | Pentane | 109-66-0 | 240 | | 20 | 720 | | 59 | 100 |
| 05298 | Styrene | 100-42-5 | 60 | J | 20 | 260 | J | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Toluene | 108-88-3 | 76 | J | 20 | 290 | J | 75 | 100 |

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# Analysis Report



**Sample Description: MP 02 Summa Can# 1062 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6602958**
**LLI Group # 1299581**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/29/2012 16:27 by CP

Submitted: 04/03/2012 10:00
Reported: 04/19/2012 23:43

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 650 | | 20 | 3,600 | | 110 | 100 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 20 | N.D. | | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | 23 | J | 20 | 100 | J | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 20 | N.D. | | 87 | 100 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1210730AB | 04/17/2012 07:46 | Michael A Ziegler | 100 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1210730AC | 04/18/2012 00:40 | Michael A Ziegler | 1000 |

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# Analysis Report



**Sample Description: MP 05 Summa Can# 1059 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6602959**
**LLI Group # 1299581**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/29/2012 15:30 by CP

Submitted: 04/03/2012 10:00
Reported: 04/19/2012 23:43

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 35 | | 0.50 | 83 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | 0.25 | J | 0.20 | 0.79 | J | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | 0.99 | J | 0.20 | 6.4 | J | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | 0.24 | J | 0.20 | 2.5 | J | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 8.7 | | 0.50 | 26 | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 0.74 | J | 0.50 | 2.3 | J | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | 0.50 | J | 0.20 | 2.3 | J | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 1.3 | | 0.20 | 4.4 | | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 0.73 | J | 0.20 | 1.5 | J | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 9.5 | | 0.20 | 47 | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | 0.52 | J | 0.20 | 4.0 | J | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | 8.2 | | 0.20 | 49 | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | 6.1 | | 0.20 | 37 | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | 7.8 | | 0.20 | 47 | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.57 | J | 0.20 | 2.8 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 0.22 | J | 0.20 | 0.87 | J | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 48 | | 0.20 | 190 | | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 3.4 | | 0.20 | 15 | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | 6.4 | | 0.20 | 31 | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | 1.6 | J | 0.50 | 6.6 | J | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | 0.58 | J | 0.50 | 2.4 | J | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 0.37 | J | 0.20 | 1.3 | J | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | 0.57 | J | 0.20 | 2.7 | J | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.44 | J | 0.20 | 1.3 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | 2.0 | | 0.20 | 8.6 | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 2.4 | | 0.20 | 16 | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 1.3 | | 0.20 | 9.0 | | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 0.81 | J | 0.20 | 3.1 | J | 0.75 | 1 |

**Sample Description: MP 05 Summa Can# 1059 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6602959**
**LLI Group # 1299581**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/29/2012 15:30 by CP

Submitted: 04/03/2012 10:00
Reported: 04/19/2012 23:43

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 0.27 | J | 0.20 | 1.5 | J | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | 0.30 | J | 0.20 | 1.6 | J | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 8.3 | | 0.20 | 47 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | 1.9 | | 0.20 | 12 | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 12 | | 0.20 | 61 | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | 7.8 | | 0.20 | 38 | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 9.7 | | 0.20 | 42 | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 7.1 | | 0.20 | 31 | | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1210730AB | 04/17/2012 08:34 | Michael A Ziegler | 1 |

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# Analysis Report



**Sample Description: MP 03 Summa Can# 941 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6602960**
**LLI Group # 1299581**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/29/2012 15:37 by CP

Submitted: 04/03/2012 10:00
Reported: 04/19/2012 23:43

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 17 | | 0.50 | 40 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | N.D. | | 0.20 | N.D. | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 3.7 | | 0.50 | 11 | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 2.1 | | 0.50 | 6.6 | | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 3.0 | | 0.20 | 11 | | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | 0.27 | J | 0.20 | 1.3 | J | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 0.20 | N.D. | | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 2.9 | | 0.20 | 14 | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | 0.62 | J | 0.20 | 3.7 | J | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | 0.53 | J | 0.20 | 3.2 | J | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | 0.70 | J | 0.20 | 4.2 | J | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.71 | J | 0.20 | 3.5 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 19 | | 0.20 | 75 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 0.45 | J | 0.20 | 1.8 | J | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 110 | | 2.0 | 440 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 0.49 | J | 0.20 | 2.1 | J | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | 0.34 | J | 0.20 | 1.7 | J | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 1.2 | | 0.20 | 4.1 | | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | N.D. | | 0.20 | N.D. | | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | 0.25 | J | 0.20 | 1.1 | J | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 3.3 | | 0.20 | 22 | | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 30 | | 0.20 | 110 | | 0.75 | 1 |

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# Analysis Report



**Sample Description: MP 03 Summa Can# 941 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6602960**
**LLI Group # 1299581**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/29/2012 15:37 by CP

Submitted: 04/03/2012 10:00
Reported: 04/19/2012 23:43

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 150 | | 2.0 | 840 | | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | 0.24 | J | 0.20 | 1.3 | J | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | 0.21 | J | 0.20 | 1.1 | J | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 8.2 | | 0.20 | 46 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 1.2 | | 0.20 | 6.0 | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | 0.93 | J | 0.20 | 4.6 | J | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | 0.36 | J | 0.20 | 0.91 | J | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 1.7 | | 0.20 | 7.2 | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 1.1 | | 0.20 | 4.7 | | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1210730AB | 04/17/2012 09:22 | Michael A Ziegler | 1 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1210730AC | 04/18/2012 02:09 | Michael A Ziegler | 10 |

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# Analysis Report



**Sample Description: MP 10 Summa Can# 1006 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6602961**
**LLI Group # 1299581**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/29/2012 16:22 by CP

Submitted: 04/03/2012 10:00
Reported: 04/19/2012 23:43

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 67 | | 0.50 | 160 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | 0.29 | J | 0.20 | 0.91 | J | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 22 | | 0.50 | 66 | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 2.0 | | 0.50 | 6.3 | | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 0.21 | J | 0.20 | 0.76 | J | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | 0.95 | J | 0.20 | 4.7 | J | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 0.67 | J | 0.20 | 1.4 | J | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 9.8 | | 0.20 | 48 | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | 0.97 | J | 0.20 | 5.8 | J | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | 0.86 | J | 0.20 | 5.1 | J | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | 1.0 | | 0.20 | 6.1 | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.58 | J | 0.20 | 2.9 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 20 | | 0.20 | 80 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 25 | | 0.20 | 99 | | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 0.76 | J | 0.20 | 3.3 | J | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | 0.55 | J | 0.20 | 2.7 | J | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | 0.60 | J | 0.50 | 2.5 | J | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | 5.4 | | 0.50 | 22 | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 0.41 | J | 0.20 | 1.4 | J | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | 0.26 | J | 0.20 | 1.2 | J | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.71 | J | 0.20 | 2.1 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | 0.38 | J | 0.20 | 1.6 | J | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 0.26 | J | 0.20 | 1.8 | J | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 0.41 | J | 0.20 | 2.8 | J | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 0.52 | J | 0.20 | 2.0 | J | 0.75 | 1 |

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# Analysis Report



**Sample Description: MP 10 Summa Can# 1006 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6602961**
**LLI Group # 1299581**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/29/2012 16:22 by CP

Submitted: 04/03/2012 10:00
Reported: 04/19/2012 23:43

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 72 | | 0.20 | 390 | | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 0.45 | J | 0.20 | 2.5 | J | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 2.4 | | 0.20 | 12 | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | 1.7 | | 0.20 | 8.5 | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 2.5 | | 0.20 | 11 | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 1.6 | | 0.20 | 6.9 | | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1210730AC | 04/18/2012 03:42 | Michael A Ziegler | 1 |

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# Analysis Report



**Sample Description:** SVE 5 Summa Can# 929 Grab Air
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6602962**
**LLI Group # 1299581**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/29/2012 15:43 by CP

Submitted: 04/03/2012 10:00
Reported: 04/19/2012 23:43

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 25 | | 0.50 | 59 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | 0.41 | J | 0.20 | 1.3 | J | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | 0.75 | J | 0.20 | 4.8 | J | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | 0.56 | J | 0.20 | 5.8 | J | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 4.8 | | 0.50 | 14 | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 2.0 | | 0.50 | 6.3 | | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | 0.49 | J | 0.20 | 2.3 | J | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 3.0 | | 0.20 | 11 | | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | 0.28 | J | 0.20 | 0.74 | J | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | 0.25 | J | 0.20 | 1.2 | J | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 0.20 | N.D. | | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 3.3 | | 0.20 | 16 | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | 0.41 | J | 0.20 | 3.1 | J | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | 5.5 | | 0.20 | 33 | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | 4.4 | | 0.20 | 27 | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | 5.9 | | 0.20 | 35 | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.64 | J | 0.20 | 3.2 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 18 | | 0.20 | 75 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 0.47 | J | 0.20 | 1.9 | J | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 360 | | 2.0 | 1,400 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 2.5 | | 0.20 | 11 | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | 2.8 | | 0.20 | 14 | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | 0.23 | J | 0.20 | 0.81 | J | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | 1.9 | J | 0.50 | 7.7 | J | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | 0.65 | J | 0.50 | 2.7 | J | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 0.75 | J | 0.20 | 2.6 | J | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | 0.57 | J | 0.20 | 2.7 | J | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.75 | J | 0.20 | 2.2 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | 1.6 | | 0.20 | 6.9 | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 1.2 | | 0.20 | 7.9 | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 2.0 | | 0.20 | 13 | | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 18 | | 0.20 | 69 | | 0.75 | 1 |

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# Analysis Report



**Sample Description: SVE 5 Summa Can# 929 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6602962**
**LLI Group # 1299581**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/29/2012 15:43 by CP

Submitted: 04/03/2012 10:00
Reported: 04/19/2012 23:43

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 180 | | 2.0 | 960 | | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | 0.36 | J | 0.20 | 1.9 | J | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | 0.40 | J | 0.20 | 2.1 | J | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 7.9 | | 0.20 | 44 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | 0.99 | J | 0.20 | 6.0 | J | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 5.9 | | 0.20 | 29 | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | 3.5 | | 0.20 | 17 | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | 0.54 | J | 0.20 | 1.4 | J | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 7.2 | | 0.20 | 31 | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 4.8 | | 0.20 | 21 | | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1210730AC | 04/18/2012 04:30 | Michael A Ziegler | 1 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1210730AC | 04/18/2012 12:01 | Jeffrey B Smith | 10 |

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# Analysis Report



**Sample Description: SVE 3 Summa Can# 925 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6602963**
**LLI Group # 1299581**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/29/2012 16:12 by CP

Submitted: 04/03/2012 10:00
Reported: 04/19/2012 23:43

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 44 | | 0.50 | 110 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | 5.1 | | 0.20 | 16 | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 4.7 | | 0.50 | 14 | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 2.8 | | 0.50 | 8.9 | | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 0.54 | J | 0.20 | 1.9 | J | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | 0.43 | J | 0.20 | 2.1 | J | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 0.56 | J | 0.20 | 1.2 | J | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | 0.22 | J | 0.20 | 1.3 | J | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.57 | J | 0.20 | 2.8 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 38 | | 0.20 | 160 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 0.60 | J | 0.20 | 2.4 | J | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 200 | | 2.0 | 780 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 0.23 | J | 0.20 | 0.99 | J | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 0.90 | J | 0.20 | 3.1 | J | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.53 | J | 0.20 | 1.6 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 0.45 | J | 0.20 | 3.1 | J | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 7.5 | | 0.20 | 28 | | 0.75 | 1 |

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# Analysis Report



**Sample Description: SVE 3 Summa Can# 925 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6602963**
**LLI Group # 1299581**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/29/2012 16:12 by CP

Submitted: 04/03/2012 10:00
Reported: 04/19/2012 23:43

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 110 | | 2.0 | 580 | | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | 0.46 | J | 0.20 | 2.5 | J | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | 0.22 | J | 0.20 | 1.2 | J | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 2.6 | | 0.20 | 15 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 0.92 | J | 0.20 | 4.5 | J | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | 0.39 | J | 0.20 | 1.9 | J | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | 0.37 | J | 0.20 | 0.95 | J | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 0.76 | J | 0.20 | 3.3 | J | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 0.42 | J | 0.20 | 1.8 | J | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1210730AC | 04/18/2012 05:18 | Michael A Ziegler | 1 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1210730AC | 04/18/2012 12:44 | Jeffrey B Smith | 10 |

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# Analysis Report



**Sample Description: VW 5 Summa Can# 1048 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6602964**
**LLI Group # 1299581**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/29/2012 15:37 by CP

Submitted: 04/03/2012 10:00
Reported: 04/19/2012 23:43

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 3,100 | | 50 | 7,400 | | 120 | 100 |
| 05298 | Benzene | 71-43-2 | 28 | J | 20 | 90 | J | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 50 | N.D. | | 110 | 100 |
| 05298 | 2-Butanone | 78-93-3 | 1,600 | | 50 | 4,700 | | 150 | 100 |
| 05298 | Carbon Disulfide | 75-15-0 | 180 | | 50 | 550 | | 160 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 20 | N.D. | | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 20 | N.D. | | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | 25 | J | 20 | 120 | J | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 20 | N.D. | | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 20 | N.D. | | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 2,900 | | 20 | 12,000 | | 81 | 100 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 56 | J | 20 | 220 | J | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 250,000 | | 2,000 | 990,000 | | 7,900 | 10000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 20 | N.D. | | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | 73 | J | 20 | 300 | J | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | 88 | J | 20 | 310 | J | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 190 | | 20 | 650 | | 69 | 100 |
| 05298 | Octane | 111-65-9 | 36 | J | 20 | 170 | J | 93 | 100 |
| 05298 | Pentane | 109-66-0 | 270 | | 20 | 800 | | 59 | 100 |
| 05298 | Styrene | 100-42-5 | 33 | J | 20 | 140 | J | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | 50 | J | 20 | 340 | J | 140 | 100 |
| 05298 | Toluene | 108-88-3 | 140 | | 20 | 510 | | 75 | 100 |

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# Analysis Report



**Sample Description: VW 5 Summa Can# 1048 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6602964**
**LLI Group # 1299581**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/29/2012 15:37 by CP

Submitted: 04/03/2012 10:00
Reported: 04/19/2012 23:43

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 8,900 | | 200 | 49,000 | | 1,100 | 1000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | 140 | | 20 | 740 | | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | 32 | J | 20 | 81 | J | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 20 | N.D. | | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 20 | N.D. | | 87 | 100 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1210730AC | 04/18/2012 06:06 | Michael A Ziegler | 100 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1210730AC | 04/18/2012 13:28 | Jeffrey B Smith | 1000 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1210930AA | 04/19/2012 02:45 | Michael A Ziegler | 10000 |

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# Analysis Report



**Sample Description: MP 08 Summa Can# 922 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6602965**
**LLI Group # 1299581**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/29/2012 16:00 by CP

Submitted: 04/03/2012 10:00
Reported: 04/19/2012 23:43

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 20 | | 0.50 | 47 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | 0.26 | J | 0.20 | 0.82 | J | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | 0.41 | J | 0.20 | 2.6 | J | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 3.9 | | 0.50 | 12 | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 1.8 | | 0.50 | 5.6 | | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | 0.31 | J | 0.20 | 1.4 | J | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 1.3 | | 0.20 | 4.6 | | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 0.98 | J | 0.20 | 2.0 | J | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 10 | | 0.20 | 50 | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | 2.4 | | 0.20 | 15 | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | 2.1 | | 0.20 | 13 | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | 2.5 | | 0.20 | 15 | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.59 | J | 0.20 | 2.9 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 3.0 | | 0.20 | 12 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 0.31 | J | 0.20 | 1.3 | J | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 580 | | 2.0 | 2,300 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 1.6 | | 0.20 | 7.1 | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | 1.6 | | 0.20 | 7.9 | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 2.1 | | 0.20 | 7.3 | | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | 0.32 | J | 0.20 | 1.5 | J | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.26 | J | 0.20 | 0.77 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | 0.87 | J | 0.20 | 3.7 | J | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 0.91 | J | 0.20 | 6.3 | J | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 0.61 | J | 0.20 | 4.1 | J | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 3.4 | | 0.20 | 13 | | 0.75 | 1 |

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# Analysis Report



**Sample Description: MP 08 Summa Can# 922 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6602965**
**LLI Group # 1299581**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/29/2012 16:00 by CP

Submitted: 04/03/2012 10:00
Reported: 04/19/2012 23:43

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 93 | | 2.0 | 510 | | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | 0.41 | J | 0.20 | 2.2 | J | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 8.9 | | 0.20 | 50 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | 0.50 | J | 0.20 | 3.0 | J | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 3.5 | | 0.20 | 17 | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | 2.4 | | 0.20 | 12 | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 4.6 | | 0.20 | 20 | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 2.9 | | 0.20 | 13 | | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1210730AC | 04/18/2012 06:54 | Michael A Ziegler | 1 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1210730AC | 04/18/2012 14:11 | Jeffrey B Smith | 10 |

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# Analysis Report



**Sample Description: MP 09 Summa Can# 1061 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6602966**
**LLI Group # 1299581**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/29/2012 16:33 by CP

Submitted: 04/03/2012 10:00
Reported: 04/19/2012 23:43

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 140 | | 5.0 | 340 | | 12 | 10 |
| 05298 | Benzene | 71-43-2 | 0.29 | J | 0.20 | 0.91 | J | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | 0.61 | J | 0.20 | 3.9 | J | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 81 | | 5.0 | 240 | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | 1.1 | | 0.50 | 3.6 | | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | 0.41 | J | 0.20 | 1.9 | J | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 0.20 | N.D. | | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 0.88 | J | 0.20 | 1.8 | J | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 8.6 | | 0.20 | 42 | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | 2.7 | | 0.20 | 16 | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | 2.7 | | 0.20 | 16 | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | 2.8 | | 0.20 | 17 | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.50 | J | 0.20 | 2.5 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 2.4 | | 0.20 | 9.6 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 60 | | 2.0 | 240 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 2.1 | | 0.20 | 9.0 | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | 1.9 | | 0.20 | 9.5 | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | 0.64 | J | 0.50 | 2.6 | J | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | 5.5 | | 0.50 | 23 | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 0.24 | J | 0.20 | 0.84 | J | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | 0.62 | J | 0.20 | 2.9 | J | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.21 | J | 0.20 | 0.62 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | 0.92 | J | 0.20 | 3.9 | J | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 0.40 | J | 0.20 | 2.8 | J | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 0.76 | J | 0.20 | 5.2 | J | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 1.4 | | 0.20 | 5.3 | | 0.75 | 1 |

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# Analysis Report



**Sample Description: MP 09 Summa Can# 1061 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6602966**
**LLI Group # 1299581**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/29/2012 16:33 by CP

Submitted: 04/03/2012 10:00
Reported: 04/19/2012 23:43

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 37 | | 0.20 | 200 | | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | 0.42 | J | 0.20 | 2.3 | J | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 0.35 | J | 0.20 | 2.0 | J | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | 0.36 | J | 0.20 | 2.1 | J | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 3.1 | | 0.20 | 15 | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | 1.7 | | 0.20 | 8.2 | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 5.0 | | 0.20 | 22 | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 3.1 | | 0.20 | 13 | | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1210830BB | 04/17/2012 20:03 | Michael A Ziegler | 1 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1210830BB | 04/18/2012 10:26 | Michael A Ziegler | 10 |

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# Analysis Report



**Sample Description:** SVE 6 Summa Can# 997 Grab Air
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6602967**
**LLI Group # 1299581**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/29/2012 15:35 by CP

Submitted: 04/03/2012 10:00
Reported: 04/19/2012 23:43

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 45 | | 0.50 | 110 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | 1.4 | | 0.20 | 4.6 | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | 0.50 | J | 0.20 | 3.2 | J | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 6.7 | | 0.50 | 20 | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 1.0 | | 0.50 | 3.3 | | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | 0.35 | J | 0.20 | 1.6 | J | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 1.1 | | 0.20 | 3.9 | | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 0.48 | J | 0.20 | 1.0 | J | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 19 | | 0.20 | 92 | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | 2.4 | | 0.20 | 14 | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | 2.2 | | 0.20 | 13 | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | 2.5 | | 0.20 | 15 | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.53 | J | 0.20 | 2.6 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 16 | | 0.20 | 67 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 0.51 | J | 0.20 | 2.1 | J | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 130 | | 2.0 | 530 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 2.0 | | 0.20 | 8.5 | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | 2.0 | | 0.20 | 10 | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | 0.67 | J | 0.50 | 2.7 | J | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 0.33 | J | 0.20 | 1.2 | J | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | 0.60 | J | 0.20 | 2.8 | J | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | N.D. | | 0.20 | N.D. | | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | 0.89 | J | 0.20 | 3.8 | J | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 0.52 | J | 0.20 | 3.5 | J | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 11 | | 0.20 | 74 | | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 6.8 | | 0.20 | 26 | | 0.75 | 1 |

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# Analysis Report



**Sample Description: SVE 6 Summa Can# 997 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6602967**
**LLI Group # 1299581**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/29/2012 15:35 by CP

Submitted: 04/03/2012 10:00
Reported: 04/19/2012 23:43

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 340 | | 2.0 | 1,800 | | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | 0.44 | J | 0.20 | 2.4 | J | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | 0.44 | J | 0.20 | 2.3 | J | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 7.0 | | 0.20 | 39 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | 0.34 | J | 0.20 | 2.1 | J | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 3.7 | | 0.20 | 18 | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | 2.3 | | 0.20 | 11 | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 5.2 | | 0.20 | 22 | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 3.4 | | 0.20 | 15 | | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1210830BB | 04/17/2012 20:51 | Michael A Ziegler | 1 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1210830BB | 04/18/2012 11:04 | Michael A Ziegler | 10 |

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# Analysis Report



**Sample Description: MP 11 Summa Can# 946 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6602968**
**LLI Group # 1299581**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/29/2012 16:29 by CP

Submitted: 04/03/2012 10:00
Reported: 04/19/2012 23:43

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 2,900 | | 50 | 6,900 | | 120 | 100 |
| 05298 | Benzene | 71-43-2 | N.D. | | 20 | N.D. | | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 50 | N.D. | | 110 | 100 |
| 05298 | 2-Butanone | 78-93-3 | 1,700 | | 50 | 4,900 | | 150 | 100 |
| 05298 | Carbon Disulfide | 75-15-0 | 72 | J | 50 | 220 | J | 160 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 20 | N.D. | | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 20 | N.D. | | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 20 | N.D. | | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 20 | N.D. | | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 26 | J | 20 | 110 | J | 81 | 100 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 20 | N.D. | | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 2,800 | | 20 | 11,000 | | 79 | 100 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | 43 | J | 20 | 190 | J | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | 48 | J | 20 | 200 | J | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | 45 | J | 20 | 160 | J | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 48 | J | 20 | 170 | J | 69 | 100 |
| 05298 | Octane | 111-65-9 | 27 | J | 20 | 130 | J | 93 | 100 |
| 05298 | Pentane | 109-66-0 | 140 | | 20 | 420 | | 59 | 100 |
| 05298 | Styrene | 100-42-5 | 30 | J | 20 | 130 | J | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | 83 | J | 20 | 560 | J | 140 | 100 |
| 05298 | Toluene | 108-88-3 | 50 | J | 20 | 190 | J | 75 | 100 |

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# Analysis Report



**Sample Description: MP 11 Summa Can# 946 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6602968**
**LLI Group # 1299581**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/29/2012 16:29 by CP

Submitted: 04/03/2012 10:00
Reported: 04/19/2012 23:43

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 1,000 | | 20 | 5,600 | | 110 | 100 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 30 | J | 20 | 150 | J | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | 22 | J | 20 | 110 | J | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 20 | N.D. | | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | 100 | | 20 | 450 | | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | 64 | J | 20 | 280 | J | 87 | 100 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1210830BB | 04/17/2012 21:52 | Michael A Ziegler | 100 |

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# Analysis Report



**Sample Description: MW 64 Summa Can# 944 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6602969**
**LLI Group # 1299581**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/29/2012 15:54 by CP

Submitted: 04/03/2012 10:00
Reported: 04/19/2012 23:43

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 1,400 | | 50 | 3,300 | | 120 | 100 |
| 05298 | Benzene | 71-43-2 | 73 | J | 20 | 230 | J | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 50 | N.D. | | 110 | 100 |
| 05298 | 2-Butanone | 78-93-3 | 750 | | 50 | 2,200 | | 150 | 100 |
| 05298 | Carbon Disulfide | 75-15-0 | 120 | | 50 | 380 | | 160 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 20 | N.D. | | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | 86 | J | 20 | 230 | J | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | 46 | J | 20 | 220 | J | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 20 | N.D. | | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 20 | N.D. | | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 11,000 | | 200 | 46,000 | | 810 | 1000 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 150 | | 20 | 600 | | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 650,000 | | 10,000 | 2,600,000 | | 40,000 | 50000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | 130 | | 20 | 550 | | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | 59 | J | 20 | 240 | J | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | 46 | J | 20 | 160 | J | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 850 | | 20 | 3,000 | | 69 | 100 |
| 05298 | Octane | 111-65-9 | 36 | J | 20 | 170 | J | 93 | 100 |
| 05298 | Pentane | 109-66-0 | N.D. | | 20 | N.D. | | 59 | 100 |
| 05298 | Styrene | 100-42-5 | 34 | J | 20 | 140 | J | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | 530 | | 20 | 3,600 | | 140 | 100 |
| 05298 | Toluene | 108-88-3 | 4,700 | | 20 | 18,000 | | 75 | 100 |

**Sample Description: MW 64 Summa Can# 944 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6602969**
**LLI Group # 1299581**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/29/2012 15:54 by CP

Submitted: 04/03/2012 10:00
Reported: 04/19/2012 23:43

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 210,000 | | 10,000 | 1,100,000 | | 55,000 | 50000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | 80 | J | 20 | 440 | J | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | 760 | | 20 | 4,100 | | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | 180 | | 20 | 470 | | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | 62 | J | 20 | 270 | J | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | 120 | | 20 | 530 | | 87 | 100 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1210830BB | 04/17/2012 22:38 | Michael A Ziegler | 100 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1210830BB | 04/18/2012 12:21 | Michael A Ziegler | 1000 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1210830BC | 04/18/2012 20:46 | Jeffrey B Smith | 50000 |

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# Analysis Report



**Sample Description: MP 07 Summa Can# 1097 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6602970**
**LLI Group # 1299581**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/29/2012 15:51 by CP

Submitted: 04/03/2012 10:00
Reported: 04/19/2012 23:43

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 7.3 | J | 5.0 | 17 | J | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 5.0 | N.D. | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 5.0 | N.D. | | 16 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | 2.8 | J | 2.0 | 14 | J | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 14 | | 2.0 | 58 | | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 1,000 | | 20 | 4,000 | | 79 | 100 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | 2.0 | J | 2.0 | 8.7 | J | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | 4.0 | J | 2.0 | 14 | J | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Toluene | 108-88-3 | 140 | | 2.0 | 520 | | 7.5 | 10 |

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# Analysis Report



**Sample Description: MP 07 Summa Can# 1097 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6602970**
**LLI Group # 1299581**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 03/29/2012 15:51 by CP

Submitted: 04/03/2012 10:00
Reported: 04/19/2012 23:43

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 460 | | 2.0 | 2,500 | | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 7.0 | J | 2.0 | 40 | J | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 2.0 | N.D. | | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | 6.6 | J | 2.0 | 28 | J | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | 3.1 | J | 2.0 | 14 | J | 8.7 | 10 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1210830BB | 04/18/2012 09:54 | Michael A Ziegler | 10 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1210830BC | 04/18/2012 21:27 | Jeffrey B Smith | 100 |

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# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1299581
Reported: 04/19/12 at 11:43 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

## Laboratory Compliance Quality Control

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: A1210830BB | Sample number(s): 6602966-6602970 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 90 | 93 | 67-138 | 3 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 86 | 86 | 70-130 | 1 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 89 | 86 | 70-138 | 4 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 91 | 95 | 71-150 | 4 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 91 | 93 | 70-130 | 3 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 95 | 97 | 60-135 | 2 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 89 | 92 | 66-129 | 3 | 25 |
| Carbon Disulfide | N.D. | 0.50 | ppb(v) | 76 | 77 | 56-106 | 0 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 89 | 90 | 70-130 | 1 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 87 | 89 | 70-130 | 3 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 91 | 92 | 71-129 | 0 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 86 | 86 | 70-130 | 1 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 100 | 100 | 58-129 | 0 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 83 | 87 | 68-138 | 5 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 87 | 90 | 71-135 | 4 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 98 | 99 | 71-143 | 1 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 98 | 100 | 68-136 | 2 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 95 | 97 | 67-140 | 3 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 97 | 96 | 72-140 | 1 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 92 | 90 | 66-126 | 1 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 90 | 88 | 70-130 | 3 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 84 | 86 | 64-117 | 2 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 90 | 91 | 69-120 | 1 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 85 | 85 | 67-121 | 0 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 83 | 82 | 70-130 | 2 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 83 | 82 | 67-134 | 0 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 85 | 88 | 67-134 | 3 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 79 | 83 | 70-130 | 5 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 87 | 88 | 69-135 | 1 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 73 | 77 | 67-115 | 5 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 79 | 78 | 66-120 | 1 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 84 | 82 | 60-125 | 1 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 84 | 86 | 62-120 | 2 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 79 | 83 | 54-166 | 4 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 80 | 80 | 64-124 | 1 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 76 | 73 | 61-145 | 4 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 79 | 82 | 70-130 | 4 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1299581
Reported: 04/19/12 at 11:43 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 90 | 93 | 70-139 | 3 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 93 | 96 | 67-145 | 3 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 86 | 89 | 70-130 | 3 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 77 | 79 | 70-130 | 3 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 89 | 90 | 70-130 | 1 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 88 | 90 | 68-128 | 3 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 90 | 87 | 70-130 | 2 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 91 | 94 | 70-130 | 2 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 89 | 88 | 69-138 | 2 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 86 | 89 | 71-142 | 3 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 104 | 107 | 70-130 | 3 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 85 | 89 | 70-130 | 5 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 85 | 88 | 70-130 | 4 | 25 |
| Batch number: A1210830BC | Sample number(s): 6602969-6602970 | | | | | | | |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 84 | 86 | 64-117 | 2 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 89 | 90 | 70-130 | 1 | 25 |
| Batch number: D1210730AB | Sample number(s): 6602949-6602960 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 124 | 121 | 67-138 | 2 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 107 | 110 | 70-130 | 3 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 117 | 119 | 70-138 | 2 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 124 | 124 | 71-150 | 0 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 114 | 115 | 70-130 | 1 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 112 | 112 | 60-135 | 0 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 103 | 105 | 66-129 | 1 | 25 |
| Carbon Disulfide | N.D. | 0.50 | ppb(v) | 97 | 94 | 56-106 | 3 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 104 | 106 | 70-130 | 2 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 109 | 109 | 70-130 | 0 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 121 | 121 | 71-129 | 0 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 104 | 106 | 70-130 | 1 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 111 | 113 | 58-129 | 2 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 115 | 116 | 68-138 | 1 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 116 | 116 | 71-135 | 0 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 127 | 125 | 71-143 | 1 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 116 | 116 | 68-136 | 0 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 120 | 119 | 67-140 | 0 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 111 | 112 | 72-140 | 1 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 117 | 112 | 66-126 | 5 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 116 | 118 | 70-130 | 2 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 105 | 104 | 64-117 | 1 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 101 | 103 | 69-120 | 2 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 114 | 109 | 67-121 | 4 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 106 | 110 | 70-130 | 3 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 108 | 112 | 67-134 | 4 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 112 | 113 | 67-134 | 1 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 117 | 117 | 70-130 | 0 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 117 | 116 | 69-135 | 1 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1299581
Reported: 04/19/12 at 11:43 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Freon 113 | N.D. | 0.50 | ppb(v) | 104 | 102 | 67-115 | 1 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 99 | 100 | 66-120 | 1 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 110 | 113 | 60-125 | 3 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 107 | 103 | 62-120 | 4 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 131 | 131 | 54-166 | 0 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 106 | 102 | 64-124 | 4 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 120 | 122 | 61-145 | 2 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 109 | 107 | 70-130 | 2 | 25 |
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 125 | 124 | 70-139 | 1 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 127 | 127 | 67-145 | 1 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 104 | 104 | 70-130 | 0 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 112 | 112 | 70-130 | 0 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 104 | 105 | 70-130 | 1 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 116 | 117 | 68-128 | 1 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 107 | 110 | 70-130 | 3 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 116 | 117 | 70-130 | 0 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 121 | 120 | 69-138 | 1 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 126 | 125 | 71-142 | 1 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 117 | 119 | 70-130 | 1 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 126 | 125 | 70-130 | 1 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 127 | 126 | 70-130 | 1 | 25 |
| Batch number: D1210730AC | Sample number(s): 6602949-6602950,6602956,6602958,6602960-6602965 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 124 | 121 | 67-138 | 2 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 107 | 110 | 70-130 | 3 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 117 | 119 | 70-138 | 2 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 124 | 124 | 71-150 | 0 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 114 | 115 | 70-130 | 1 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 112 | 112 | 60-135 | 0 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 103 | 105 | 66-129 | 1 | 25 |
| Carbon Disulfide | N.D. | 0.50 | ppb(v) | 97 | 94 | 56-106 | 3 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 104 | 106 | 70-130 | 2 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 109 | 109 | 70-130 | 0 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 121 | 121 | 71-129 | 0 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 104 | 106 | 70-130 | 1 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 111 | 113 | 58-129 | 2 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 115 | 116 | 68-138 | 1 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 116 | 116 | 71-135 | 0 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 127 | 125 | 71-143 | 1 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 116 | 116 | 68-136 | 0 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 120 | 119 | 67-140 | 0 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 111 | 112 | 72-140 | 1 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 117 | 112 | 66-126 | 5 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 116 | 118 | 70-130 | 2 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 105 | 104 | 64-117 | 1 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 101 | 103 | 69-120 | 2 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 114 | 109 | 67-121 | 4 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1299581
Reported: 04/19/12 at 11:43 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 106 | 110 | 70-130 | 3 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 108 | 112 | 67-134 | 4 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 112 | 113 | 67-134 | 1 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 117 | 117 | 70-130 | 0 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 117 | 116 | 69-135 | 1 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 104 | 102 | 67-115 | 1 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 99 | 100 | 66-120 | 1 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 110 | 113 | 60-125 | 3 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 107 | 103 | 62-120 | 4 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 131 | 131 | 54-166 | 0 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 106 | 102 | 64-124 | 4 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 120 | 122 | 61-145 | 2 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 109 | 107 | 70-130 | 2 | 25 |
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 125 | 124 | 70-139 | 1 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 127 | 127 | 67-145 | 1 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 104 | 104 | 70-130 | 0 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 112 | 112 | 70-130 | 0 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 104 | 105 | 70-130 | 1 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 116 | 117 | 68-128 | 1 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 107 | 110 | 70-130 | 3 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 116 | 117 | 70-130 | 0 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 121 | 120 | 69-138 | 1 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 126 | 125 | 71-142 | 1 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 117 | 119 | 70-130 | 1 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 126 | 125 | 70-130 | 1 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 127 | 126 | 70-130 | 1 | 25 |
| Batch number: D1210930AA | Sample number(s): 6602955,6602964 | | | | | | | |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 109 | 107 | 64-117 | 2 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 106 | 105 | 70-130 | 1 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Summa Canister Field Test Data/Chain of Custody

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Acct. # 6556 Group # 1299581 For Lancaster Laboratories use only Sample # 6602999-70 Bottle Order (SCR) # 119544

Instructions on reverse side correspond with circled numbers.

**(1) Client Information**

Client: Johnson Co. Account #:

Project Name/#: Flowery Branch SVE

Project Manager: Todd Hall P.O. #:

Sampler: Calvin Pruitt Quote #:

Name of state where samples were collected:

**(3) Turnaround Time Requested (TAT)** (circle one): (Standard) Rush (specify) _____

**(4) Data Package Required?** Yes No

**(5) EDD Required?** Yes No

| | Temperature (F) | | Pressure ("Hg) | |
|---|---|---|---|---|
| | Start | Stop | Start | Stop |
| Ambient | | | | |
| Maximum | | | | |
| Minimum | | | | |

**(6) Analyses Requested**

EPA TO - 15; EPA 18 ☐ MTBE ☐ BTEX; EPA 25 (select range below); Helium as tracer; O2/CO2; Library Search

| (2) Sample Identification | Sample Collection Date | Time Start (24 hr clock) | Time Stop (24 hr clock) | Canister Pressure in Field ("Hg) (Start) | Canister Pressure in Field ("Hg) (Stop) | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Flow Reg. ID | Can ID | Can Size (L) | Controller Flowrate (ml/min) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VW 3 | 3/29 | 16:25 | | | | | | — | 926 | 1 | — |
| MW 65S | 3/29 | 16:04 | | | | | | — | 989 | 1 | — |
| VW 6 | 3/29 | 15:40 | | | | | | — | 920 | 1 | — |
| SVE 4 | 3/29 | 16:09 | | | | | | — | 975 | 1 | — |
| SVE 2 | 3/29 | 16:15 | | | | | | — | 958 | 1 | — |
| MP 04 | 3/29 | 15:33 | | | | | | — | 912 | 1 | — |
| Undiluted | 3/29 | 16:38 | | | | | | — | 1012 | 1 | — |
| SVE 1 | 3/29 | 16:18 | | | | | | — | 949 | 1 | — |
| MP 06 | 3/29 | 15:38 | | | | | | — | 970 | 1 | — |
| MP 02 | 3/29 | 16:27 | | | | | | — | 1062 | 1 | — |
| MP 05 | 3/29 | 15:30 | | | | | | — | 1059 | 1 | — |

**(7) Instructions/QC Requirements & Comments**

**EPA 25** (check one): ☐ C1 - C4 ☐ C2 - C10 ☐ C1 - C10 ☐ C4 - C10 (GRO) ☐ C2 - C4

| Canisters Shipped by: | Date/Time: | Canisters Received by: | Date/Time | Relinquished by: | Date/Time | Received by: | (8) Date/Time: |
|---|---|---|---|---|---|---|---|
| [signature] | 3-23-12 0939 | Calvin Pruitt | 3/29 | | | | |
| Relinquished by: Calvin Pruitt | Date/Time: 3/30 | Received by: | Date/Time: | Relinquished by: | Date/Time: | Received by: | Date/Time: |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Relinquished by: | Date/Time: | Received by: [signature] | Date/Time: 4-3-12 1000 |

# Summa Canister Field Test Data/Chain of Custody

eurofins | Lancaster Laboratories

Acct. # 6556 Group # 299581 For Lancaster Laboratories use only Sample # 6602949-70 Bottle Order (SCR) # 119544

Instructions on reverse side correspond with circled numbers.

## (1) Client Information

Client: Johnson Co.

Account #:

Project Name/#: Flowery Branch SVE

Project Manager: Todd Hall

P.O. #:

Sampler: Calvin Pruitt

Quote #:

Name of state where samples were collected: GA

## (3) Turnaround Time Requested (TAT) (circle one)

Standard Rush (specify) _____

## (4) Data Package Required?

Yes No

## (5) EDD Required?

Yes No

| | Temperature (F) | | Pressure ("Hg) | |
|---|---|---|---|---|
| | Start | Stop | Start | Stop |
| Ambient | | | | |
| Maximum | | | | |
| Minimum | | | | |

## (6) Analyses Requested

EPA TO - 15 ☐ BTEX ☐ MTBE EPA 18 EPA 25 (select range below) Helium as tracer O2/CO2 Library Search

## (2)

| Sample Identification | Sample Collection Date | Time Start (24 hr clock) | Time Stop (24 hr clock) | Canister Pressure in Field ("Hg) (Start) | Canister Pressure in Field ("Hg) (Stop) | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Flow Reg. ID | Can ID | Can Size (L) | Controller Flowrate (ml/min) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MP 03 | 3/29 | 15:37 | | | | | | — | 941 | 1 | — |
| MP 10 | 3/29 | 16:22 | | | | | | — | 1006 | 1 | — |
| SVE 5 | 3/29 | 15:43 | | | | | | — | 929 | 1 | — |
| SVE 3 | 3/29 | 16:12 | | | | | | — | 925 | 1 | — |
| VW 5 | 3/29 | 15:37 | | | | | | — | 1048 | 1 | — |
| MP 08 | 3/29 | 16:00 | | | | | | — | 922 | 1 | — |
| MP 09 | 3/29 | 16:33 | | | | | | — | 1061 | 1 | — |
| SVE 6 | 3/29 | 15:35 | | | | | | — | 997 | 1 | — |
| MP 11 | 3/29 | 16:29 | | | | | | — | 946 | 1 | — |
| MW 64 | 3/29 | 15:54 | | | | | | — | 944 | 1 | — |
| MP 07 | 3/29 | 15:51 | | | | | | — | 1097 | 1 | — |

## (7) Instructions/QC Requirements & Comments

**EPA 25** (check one) ☐ C1 - C4 ☐ C2 - C10 ☐ C1 - C10 ☐ C4 - C10 (GRO) ☐ C2 - C4

| Canisters Shipped by: | Date/Time: | Canisters Received by: | Date/Time | Relinquished by: | Date/Time | Received by: | Date/Time: (8) |
|---|---|---|---|---|---|---|---|
| [signature] | 3-23-12 0935 | Calvin Pruitt | 3/29 | | | | |
| Relinquished by: Calvin Pruitt | Date/Time: 3/30 | Received by: | Date/Time: | Relinquished by: | Date/Time: | Received by: | Date/Time: |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Relinquished by: | Date/Time: | Received by: [signature] | Date/Time: 4-3-12 1111 |

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# Environmental Sample Administration
# Receipt Documentation Log

**Client/Project:** The Johnson CO

**Date of Receipt:** 4-3-12

**Time of Receipt:** 1000

**Source Code:** 60-1

**Shipping Container Sealed:** (YES) NO

**Custody Seal Present * :** YES (NO)

* Custody seal was intact unless otherwise noted in the discrepancy section

**Package:** Chilled (Not Chilled)

| Temperature of Shipping Containers | | | | | | | |
|---|---|---|---|---|---|---|---|
| Cooler # | Thermometer ID | Temperature (°C) | Temp Bottle (TB) or Surface Temp (ST) | Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP) | Ice Present? Y/N | Loose (L) Bagged Ice (B) or NA | Comments |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |

**Number of Trip Blanks received NOT listed on chain of custody:** 0

**Paperwork Discrepancy/Unpacking Problems:**

MW65S = MW64S Time 4:04 Summa 989
VWS Time = 3:57
SVE6 Time = 3:45
Rec 1 Flow control
Rec 1 Bag of Tubing & 2 bags Filter

**Unpacker Signature/Emp#:** Brunely Bush 2249 **Date/Time:** 4-3-12 1029

Issued by Dept. 6042 Management

2174.06

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# Explanation of Symbols and Abbreviations

*The following defines common symbols and abbreviations used in reporting technical data:*

| | | | |
|---|---|---|---|
| **RL** | Reporting Limit | **BMQL** | Below Minimum Quantitation Level |
| **N.D.** | none detected | **MPN** | Most Probable Number |
| **TNTC** | Too Numerous To Count | **CP Units** | cobalt-chloroplatinate units |
| **IU** | International Units | **NTU** | nephelometric turbidity units |
| **umhos/cm** | micromhos/cm | **ng** | nanogram(s) |
| **C** | degrees Celsius | **F** | degrees Fahrenheit |
| **meq** | milliequivalents | **lb.** | pound(s) |
| **g** | gram(s) | **kg** | kilogram(s) |
| **µg** | microgram(s) | **mg** | milligram(s) |
| **mL** | milliliter(s) | **L** | liter(s) |
| **m3** | cubic meter(s) | **µL** | microliter(s) |
| | | **pg/L** | picogram/liter |

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

*Data Qualifiers:*

**C –** result confirmed by reanalysis.

**J -** estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

*U.S. EPA CLP Data Qualifiers:*

| **Organic Qualifiers** | | **Inorganic Qualifiers** | |
|---|---|---|---|
| **A** | TIC is a possible aldol-condensation product | **B** | Value is <CRDL, but ≥IDL |
| **B** | Analyte was also detected in the blank | **E** | Estimated due to interference |
| **C** | Pesticide result confirmed by GC/MS | **M** | Duplicate injection precision not met |
| **D** | Compound quantitated on a diluted sample | **N** | Spike sample not within control limits |
| **E** | Concentration exceeds the calibration range of the instrument | **S** | Method of standard additions (MSA) used for calculation |
| **N** | Presumptive evidence of a compound (TICs only) | **U** | Compound was not detected |
| **P** | Concentration difference between primary and confirmation columns >25% | **W** | Post digestion spike out of control limits |
| **U** | Compound was not detected | ***** | Duplicate analysis not within control limits |
| **X,Y,Z** | Defined in case narrative | **+** | Correlation coefficient for MSA <0.995 |

**Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.**

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

May 17, 2012

Project: Avery Dennison / Flowery Branch, GA

Submittal Date: 05/07/2012
Group Number: 1307050
PO Number: 1-0145-4
State of Sample Origin: GA

| Client Sample Description | Lancaster Labs (LLI) # |
|---|---|
| SVE 6 Summa Can #876 Grab Air | 6642043 |
| MP 04 Summa Can #13 Grab Air | 6642044 |
| VW 5 Summa Can #95 Grab Air | 6642045 |
| VW 3 Summa Can #899 Grab Air | 6642046 |
| MP 09 Summa Can #838 Grab Air | 6642047 |
| VW 6 Summa Can #331 Grab Air | 6642048 |
| MP 11 Summa Can #75 Grab Air | 6642049 |
| MP 10 Summa Can #12 Grab Air | 6642050 |
| MP 02 Summa Can #186 Grab Air | 6642051 |
| MW 64 Summa Can #167 Grab Air | 6642052 |
| SVE 2 Summa Can #873 Grab Air | 6642053 |
| SVE 3 Summa Can #32 Grab Air | 6642054 |
| SVE 5 Summa Can #890 Grab Air | 6642055 |
| SVE 1 Summa Can #164 Grab Air | 6642056 |
| MP 07 Summa Can #113 Grab Air | 6642057 |
| SVE 4 Summa Can #815 Grab Air | 6642058 |
| MP 08 Summa Can #884 Grab Air | 6642059 |
| MW 65s Summa Can #156 Grab Air | 6642060 |
| MP 05 Summa Can #180 Grab Air | 6642061 |
| MP 06 Summa Can #859 Grab Air | 6642062 |
| Undiluted Summa Can# 528 Grab Air | 6642064 |

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

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# Analysis Report

ELECTRONIC COPY TO The Johnson Company, Inc. Attn: Todd Hall

Respectfully Submitted,



Wendy A. Kozma
Principal Specialist Group Leader

(717) 556-7257

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2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

# Analysis Report



**Sample Description:** SVE 6 Summa Can #876 Grab Air
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6642043**
**LLI Group # 1307050**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/03/2012 12:38 by CP

Submitted: 05/07/2012 09:40
Reported: 05/17/2012 17:30

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 6.5 | J | 5.0 | 15 | J | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 5.0 | N.D. | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 5.0 | N.D. | | 16 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 14 | | 2.0 | 57 | | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 170 | | 2.0 | 660 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 2.0 | N.D. | | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Toluene | 108-88-3 | 4.9 | J | 2.0 | 19 | J | 7.5 | 10 |

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# Analysis Report

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**Sample Description: SVE 6 Summa Can #876 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6642043**
**LLI Group # 1307050**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/03/2012 12:38 by CP

Submitted: 05/07/2012 09:40
Reported: 05/17/2012 17:30

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 700 | 2.0 | 3,800 | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 13 | 2.0 | 74 | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 2.0 | N.D. | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 2.0 | N.D. | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 2.0 | N.D. | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 2.0 | N.D. | 8.7 | 10 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1213230AC | 05/14/2012 16:37 | Michael A Ziegler | 10 |

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# Analysis Report



**Sample Description: MP 04 Summa Can #13 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6642044**
**LLI Group # 1307050**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/03/2012 12:56 by CP

Submitted: 05/07/2012 09:40
Reported: 05/17/2012 17:30

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 0.73 | J | 0.50 | 1.7 | J | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | N.D. | | 0.20 | N.D. | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 0.50 | N.D. | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 0.50 | N.D. | | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 0.37 | J | 0.20 | 1.3 | J | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 0.20 | N.D. | | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 0.20 | N.D. | | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 0.23 | J | 0.20 | 0.91 | J | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | 0.40 | J | 0.20 | 1.9 | J | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 0.59 | J | 0.20 | 2.1 | J | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.30 | J | 0.20 | 0.88 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 1.1 | | 0.20 | 4.1 | | 0.75 | 1 |

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# Analysis Report



**Sample Description: MP 04 Summa Can #13 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6642044**
**LLI Group # 1307050**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/03/2012 12:56 by CP

Submitted: 05/07/2012 09:40
Reported: 05/17/2012 17:30

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.20 | N.D. | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 0.20 | N.D. | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 0.20 | N.D. | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 1.2 | 0.20 | 6.5 | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 0.20 | N.D. | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 0.20 | N.D. | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 0.20 | N.D. | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 0.20 | N.D. | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 0.20 | N.D. | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 0.20 | N.D. | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1213230AC | 05/14/2012 17:21 | Michael A Ziegler | 1 |

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# Analysis Report



**Sample Description:** VW 5 Summa Can #95 Grab Air
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6642045**
**LLI Group # 1307050**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/03/2012 12:11 by CP

Submitted: 05/07/2012 09:40
Reported: 05/17/2012 17:30

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 590 | J | 500 | 1,400 | J | 1,200 | 1000 |
| 05298 | Benzene | 71-43-2 | N.D. | | 200 | N.D. | | 640 | 1000 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 200 | N.D. | | 2,100 | 1000 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 200 | N.D. | | 780 | 1000 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 500 | N.D. | | 1,100 | 1000 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 500 | N.D. | | 1,500 | 1000 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 500 | N.D. | | 1,600 | 1000 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 200 | N.D. | | 710 | 1000 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 200 | N.D. | | 530 | 1000 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 200 | N.D. | | 410 | 1000 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 200 | N.D. | | 630 | 1000 |
| 05298 | Cumene | 98-82-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 200 | N.D. | | 1,700 | 1000 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 200 | N.D. | | 1,500 | 1000 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 200 | N.D. | | 990 | 1000 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 530 | J | 200 | 2,200 | J | 810 | 1000 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 200 | N.D. | | 810 | 1000 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 50,000 | | 200 | 200,000 | | 790 | 1000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 200 | N.D. | | 840 | 1000 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 200 | N.D. | | 870 | 1000 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 500 | N.D. | | 3,800 | 1000 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Heptane | 142-82-5 | N.D. | | 200 | N.D. | | 820 | 1000 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 200 | N.D. | | 1,900 | 1000 |
| 05298 | Hexane | 110-54-3 | N.D. | | 200 | N.D. | | 700 | 1000 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 200 | N.D. | | 720 | 1000 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 200 | N.D. | | 690 | 1000 |
| 05298 | Octane | 111-65-9 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Pentane | 109-66-0 | 360 | J | 200 | 1,100 | J | 590 | 1000 |
| 05298 | Styrene | 100-42-5 | N.D. | | 200 | N.D. | | 850 | 1000 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Toluene | 108-88-3 | N.D. | | 200 | N.D. | | 750 | 1000 |

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# Analysis Report



**Sample Description: VW 5 Summa Can #95 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6642045**
**LLI Group # 1307050**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/03/2012 12:11 by CP

Submitted: 05/07/2012 09:40
Reported: 05/17/2012 17:30

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 3,700 | 200 | 20,000 | 1,100 | 1000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 200 | N.D. | 1,200 | 1000 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 200 | N.D. | 980 | 1000 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 200 | N.D. | 980 | 1000 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 200 | N.D. | 510 | 1000 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 200 | N.D. | 870 | 1000 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 200 | N.D. | 870 | 1000 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1213230AC | 05/14/2012 18:05 | Michael A Ziegler | 1000 |

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# Analysis Report



**Sample Description: VW 3 Summa Can #899 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6642046**
**LLI Group # 1307050**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/03/2012 11:55 by CP

Submitted: 05/07/2012 09:40
Reported: 05/17/2012 17:30

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 9,100 | | 130 | 22,000 | | 300 | 250 |
| 05298 | Benzene | 71-43-2 | N.D. | | 20 | N.D. | | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 50 | N.D. | | 110 | 100 |
| 05298 | 2-Butanone | 78-93-3 | 7,000 | | 130 | 20,000 | | 370 | 250 |
| 05298 | Carbon Disulfide | 75-15-0 | 96 | J | 50 | 300 | J | 160 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 110 | | 20 | 390 | | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 20 | N.D. | | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 20 | N.D. | | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 32 | J | 20 | 160 | J | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | N.D. | | 20 | N.D. | | 81 | 100 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 20 | N.D. | | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 1,300 | | 20 | 5,300 | | 79 | 100 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 20 | N.D. | | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | 100 | | 20 | 420 | | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | 110 | | 20 | 370 | | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 120 | | 20 | 410 | | 69 | 100 |
| 05298 | Octane | 111-65-9 | 41 | J | 20 | 190 | J | 93 | 100 |
| 05298 | Pentane | 109-66-0 | 280 | | 20 | 820 | | 59 | 100 |
| 05298 | Styrene | 100-42-5 | 58 | J | 20 | 250 | J | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Toluene | 108-88-3 | 24 | J | 20 | 92 | J | 75 | 100 |

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# Analysis Report



**Sample Description: VW 3 Summa Can #899 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6642046**
**LLI Group # 1307050**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/03/2012 11:55 by CP

Submitted: 05/07/2012 09:40
Reported: 05/17/2012 17:30

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 670 | 20 | 3,600 | 110 | 100 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 20 | N.D. | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 20 | N.D. | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 20 | N.D. | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 20 | N.D. | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 20 | N.D. | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 20 | N.D. | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 20 | N.D. | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 20 | N.D. | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 20 | N.D. | 87 | 100 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1213230AC | 05/14/2012 18:53 | Michael A Ziegler | 100 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1213230AC | 05/14/2012 21:54 | Michael A Ziegler | 250 |

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# Analysis Report



**Sample Description: MP 09 Summa Can #838 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6642047**
**LLI Group # 1307050**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/03/2012 11:35 by CP

Submitted: 05/07/2012 09:40
Reported: 05/17/2012 17:30

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 73 | | 0.50 | 170 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | N.D. | | 0.20 | N.D. | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 41 | | 5.0 | 120 | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | 0.84 | J | 0.50 | 2.6 | J | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 0.26 | J | 0.20 | 0.91 | J | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 1.6 | | 0.20 | 3.3 | | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 1.2 | | 0.20 | 6.0 | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.51 | J | 0.20 | 2.5 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 0.78 | J | 0.20 | 3.2 | J | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 26 | | 0.20 | 100 | | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | 13 | | 0.50 | 55 | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 0.20 | N.D. | | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.26 | J | 0.20 | 0.76 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 2.0 | | 0.20 | 7.5 | | 0.75 | 1 |

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# Analysis Report



**Sample Description: MP 09 Summa Can #838 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6642047**
**LLI Group # 1307050**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/03/2012 11:35 by CP

Submitted: 05/07/2012 09:40
Reported: 05/17/2012 17:30

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 28 | | 0.20 | 150 | | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 0.29 | J | 0.20 | 1.7 | J | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 0.27 | J | 0.20 | 1.3 | J | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 0.31 | J | 0.20 | 1.3 | J | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1213230AC | 05/14/2012 19:41 | Michael A Ziegler | 1 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1213230AC | 05/14/2012 21:09 | Michael A Ziegler | 10 |

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# Analysis Report



**Sample Description: VW 6 Summa Can #331 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6642048**
**LLI Group # 1307050**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/03/2012 12:52 by CP

Submitted: 05/07/2012 09:40
Reported: 05/17/2012 17:30

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 15 | J | 5.0 | 36 | J | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | 12 | J | 5.0 | 36 | J | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 5.0 | N.D. | | 16 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 31 | | 2.0 | 130 | | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 810 | | 4.0 | 3,200 | | 16 | 20 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | 2.2 | J | 2.0 | 15 | J | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | 2.7 | J | 2.0 | 9.4 | J | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | 2.4 | J | 2.0 | 16 | J | 14 | 10 |
| 05298 | Toluene | 108-88-3 | N.D. | | 2.0 | N.D. | | 7.5 | 10 |

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# Analysis Report



**Sample Description: VW 6 Summa Can #331 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6642048**
**LLI Group # 1307050**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/03/2012 12:52 by CP

Submitted: 05/07/2012 09:40
Reported: 05/17/2012 17:30

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 9.4 | J | 2.0 | 52 | J | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 12 | | 2.0 | 68 | | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 2.0 | N.D. | | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1213630AA | 05/15/2012 19:00 | Florida A Cimino | 10 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1213630AA | 05/15/2012 23:39 | Florida A Cimino | 20 |

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# Analysis Report



**Sample Description: MP 11 Summa Can #75 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6642049**
**LLI Group # 1307050**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/03/2012 11:45 by CP

Submitted: 05/07/2012 09:40
Reported: 05/17/2012 17:30

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 490 | | 5.0 | 1,200 | | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | 500 | | 5.0 | 1,500 | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 5.0 | N.D. | | 16 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 4.4 | J | 2.0 | 18 | J | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 550 | | 2.0 | 2,200 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | 16 | J | 5.0 | 64 | J | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 2.0 | N.D. | | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Toluene | 108-88-3 | 2.1 | J | 2.0 | 7.8 | J | 7.5 | 10 |

**Sample Description: MP 11 Summa Can #75 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6642049**
**LLI Group # 1307050**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/03/2012 11:45 by CP

Submitted: 05/07/2012 09:40
Reported: 05/17/2012 17:30

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 260 | | 2.0 | 1,400 | | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 2.0 | N.D. | | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | 2.5 | J | 2.0 | 11 | J | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1213630AA | 05/15/2012 19:43 | Florida A Cimino | 10 |

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# Analysis Report



**Sample Description: MP 10 Summa Can #12 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6642050**
**LLI Group # 1307050**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/03/2012 11:57 by CP

Submitted: 05/07/2012 09:40
Reported: 05/17/2012 17:30

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 22 | | 0.50 | 52 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | N.D. | | 0.20 | N.D. | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 17 | | 0.50 | 51 | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 1.0 | | 0.50 | 3.1 | | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 0.21 | J | 0.20 | 0.73 | J | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | 1.2 | | 0.20 | 5.8 | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 0.52 | J | 0.20 | 1.1 | J | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 0.74 | J | 0.20 | 3.6 | J | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.54 | J | 0.20 | 2.7 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 12 | | 0.20 | 47 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 18 | | 0.20 | 70 | | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | 0.24 | J | 0.20 | 0.84 | J | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | 0.22 | J | 0.20 | 1.0 | J | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | 6.3 | | 0.50 | 26 | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 0.54 | J | 0.20 | 1.9 | J | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 26 | | 0.20 | 76 | | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 1.9 | | 0.20 | 7.2 | | 0.75 | 1 |

**Sample Description: MP 10 Summa Can #12 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6642050**
**LLI Group # 1307050**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/03/2012 11:57 by CP

Submitted: 05/07/2012 09:40
Reported: 05/17/2012 17:30

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 45 | | 0.20 | 240 | | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 0.33 | J | 0.20 | 1.9 | J | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 0.29 | J | 0.20 | 1.4 | J | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 0.38 | J | 0.20 | 1.7 | J | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1213630AA | 05/15/2012 20:31 | Florida A Cimino | 1 |

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# Analysis Report



**Sample Description: MP 02 Summa Can #186 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6642051**
**LLI Group # 1307050**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/03/2012 11:50 by CP

Submitted: 05/07/2012 09:40
Reported: 05/17/2012 17:30

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 5,200 | | 50 | 12,000 | | 120 | 100 |
| 05298 | Benzene | 71-43-2 | N.D. | | 20 | N.D. | | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 50 | N.D. | | 110 | 100 |
| 05298 | 2-Butanone | 78-93-3 | 5,800 | | 50 | 17,000 | | 150 | 100 |
| 05298 | Carbon Disulfide | 75-15-0 | 75 | J | 50 | 230 | J | 160 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 20 | N.D. | | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 20 | N.D. | | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 20 | N.D. | | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 20 | N.D. | | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 32 | J | 20 | 130 | J | 81 | 100 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 20 | N.D. | | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 1,300 | | 20 | 5,300 | | 79 | 100 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 20 | N.D. | | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | N.D. | | 20 | N.D. | | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | N.D. | | 20 | N.D. | | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | 140 | J | 50 | 580 | J | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 59 | J | 20 | 200 | J | 69 | 100 |
| 05298 | Octane | 111-65-9 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Pentane | 109-66-0 | 24 | J | 20 | 72 | J | 59 | 100 |
| 05298 | Styrene | 100-42-5 | 28 | J | 20 | 120 | J | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Toluene | 108-88-3 | N.D. | | 20 | N.D. | | 75 | 100 |

**Sample Description: MP 02 Summa Can #186 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6642051**
**LLI Group # 1307050**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/03/2012 11:50 by CP

Submitted: 05/07/2012 09:40
Reported: 05/17/2012 17:30

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 510 | 20 | 2,800 | 110 | 100 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 20 | N.D. | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 20 | N.D. | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 20 | N.D. | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 20 | N.D. | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 20 | N.D. | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 20 | N.D. | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 20 | N.D. | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 20 | N.D. | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 20 | N.D. | 87 | 100 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1213630AA | 05/15/2012 21:25 | Florida A Cimino | 100 |

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# Analysis Report



**Sample Description: MW 64 Summa Can #167 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6642052**
**LLI Group # 1307050**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/03/2012 12:15 by CP

Submitted: 05/07/2012 09:40
Reported: 05/17/2012 17:30

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | N.D. | | 500 | N.D. | | 1,200 | 1000 |
| 05298 | Benzene | 71-43-2 | N.D. | | 200 | N.D. | | 640 | 1000 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 200 | N.D. | | 2,100 | 1000 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 200 | N.D. | | 780 | 1000 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 500 | N.D. | | 1,100 | 1000 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 500 | N.D. | | 1,500 | 1000 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 500 | N.D. | | 1,600 | 1000 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 200 | N.D. | | 710 | 1000 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 200 | N.D. | | 530 | 1000 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 200 | N.D. | | 410 | 1000 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 200 | N.D. | | 630 | 1000 |
| 05298 | Cumene | 98-82-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 200 | N.D. | | 1,700 | 1000 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 200 | N.D. | | 1,500 | 1000 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 200 | N.D. | | 990 | 1000 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 4,000 | | 200 | 16,000 | | 810 | 1000 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 200 | N.D. | | 810 | 1000 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 240,000 | | 2,000 | 970,000 | | 7,900 | 10000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 200 | N.D. | | 840 | 1000 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 200 | N.D. | | 870 | 1000 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 500 | N.D. | | 3,800 | 1000 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Heptane | 142-82-5 | N.D. | | 200 | N.D. | | 820 | 1000 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 200 | N.D. | | 1,900 | 1000 |
| 05298 | Hexane | 110-54-3 | N.D. | | 200 | N.D. | | 700 | 1000 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 200 | N.D. | | 720 | 1000 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Methylene Chloride | 75-09-2 | 370 | J | 200 | 1,300 | J | 690 | 1000 |
| 05298 | Octane | 111-65-9 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Pentane | 109-66-0 | N.D. | | 200 | N.D. | | 590 | 1000 |
| 05298 | Styrene | 100-42-5 | N.D. | | 200 | N.D. | | 850 | 1000 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Toluene | 108-88-3 | 470 | J | 200 | 1,800 | J | 750 | 1000 |

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# Analysis Report



**Sample Description: MW 64 Summa Can #167 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6642052**
**LLI Group # 1307050**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/03/2012 12:15 by CP

Submitted: 05/07/2012 09:40
Reported: 05/17/2012 17:30

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 110,000 | 2,000 | 610,000 | 11,000 | 10000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 200 | N.D. | 1,200 | 1000 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 200 | N.D. | 980 | 1000 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 200 | N.D. | 980 | 1000 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 200 | N.D. | 510 | 1000 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 200 | N.D. | 870 | 1000 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 200 | N.D. | 870 | 1000 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1213630AA | 05/15/2012 22:08 | Florida A Cimino | 1000 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1213630AB | 05/16/2012 13:19 | Jeffrey B Smith | 10000 |

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# Analysis Report



**Sample Description: SVE 2 Summa Can #873 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6642053**
**LLI Group # 1307050**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/03/2012 12:29 by CP

Submitted: 05/07/2012 09:40
Reported: 05/17/2012 17:30

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 360 | | 50 | 860 | | 120 | 100 |
| 05298 | Benzene | 71-43-2 | N.D. | | 20 | N.D. | | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 50 | N.D. | | 110 | 100 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 50 | N.D. | | 150 | 100 |
| 05298 | Carbon Disulfide | 75-15-0 | 83 | J | 50 | 260 | J | 160 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 20 | N.D. | | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 20 | N.D. | | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 20 | N.D. | | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 20 | N.D. | | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 240 | | 20 | 980 | | 81 | 100 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 20 | N.D. | | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 5,300 | | 20 | 21,000 | | 79 | 100 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 20 | N.D. | | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | N.D. | | 20 | N.D. | | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | N.D. | | 20 | N.D. | | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 88 | J | 20 | 300 | J | 69 | 100 |
| 05298 | Octane | 111-65-9 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Pentane | 109-66-0 | N.D. | | 20 | N.D. | | 59 | 100 |
| 05298 | Styrene | 100-42-5 | 49 | J | 20 | 210 | J | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Toluene | 108-88-3 | 3,500 | | 20 | 13,000 | | 75 | 100 |

**Sample Description: SVE 2 Summa Can #873 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6642053**
**LLI Group # 1307050**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/03/2012 12:29 by CP

Submitted: 05/07/2012 09:40
Reported: 05/17/2012 17:30

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 2,700 | | 20 | 15,000 | | 110 | 100 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 20 | N.D. | | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | 51 | J | 20 | 220 | J | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | 23 | J | 20 | 100 | J | 87 | 100 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1213630AA | 05/15/2012 22:56 | Florida A Cimino | 100 |

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# Analysis Report



**Sample Description: SVE 3 Summa Can #32 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6642054**
**LLI Group # 1307050**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/03/2012 12:26 by CP

Submitted: 05/07/2012 09:40
Reported: 05/17/2012 17:30

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 9.0 | J | 5.0 | 21 | J | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 5.0 | N.D. | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 5.0 | N.D. | | 16 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 23 | | 2.0 | 93 | | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 150 | | 2.0 | 590 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 2.0 | N.D. | | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Toluene | 108-88-3 | 3.1 | J | 2.0 | 12 | J | 7.5 | 10 |

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# Analysis Report



**Sample Description: SVE 3 Summa Can #32 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6642054**
**LLI Group # 1307050**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/03/2012 12:26 by CP

Submitted: 05/07/2012 09:40
Reported: 05/17/2012 17:30

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 59 | | 2.0 | 320 | | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 3.6 | J | 2.0 | 20 | J | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 2.0 | N.D. | | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1213630AA | 05/16/2012 00:23 | Florida A Cimino | 10 |

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# Analysis Report



**Sample Description:** SVE 5 Summa Can #890 Grab Air
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6642055**
**LLI Group # 1307050**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/03/2012 12:42 by CP

Submitted: 05/07/2012 09:40
Reported: 05/17/2012 17:30

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 6.5 | J | 5.0 | 16 | J | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 5.0 | N.D. | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 5.0 | N.D. | | 16 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 14 | | 2.0 | 56 | | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 420 | | 2.0 | 1,700 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | 2.2 | J | 2.0 | 16 | J | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 2.0 | N.D. | | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Toluene | 108-88-3 | 8.3 | J | 2.0 | 31 | J | 7.5 | 10 |

**Sample Description: SVE 5 Summa Can #890 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6642055**
**LLI Group # 1307050**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/03/2012 12:42 by CP

Submitted: 05/07/2012 09:40
Reported: 05/17/2012 17:30

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 260 | 2.0 | 1,400 | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 13 | 2.0 | 71 | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 2.0 | N.D. | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 2.0 | N.D. | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 2.0 | N.D. | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 2.0 | N.D. | 8.7 | 10 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1213630AA | 05/16/2012 01:06 | Florida A Cimino | 10 |

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# Analysis Report



**Sample Description:** SVE 1 Summa Can #164 Grab Air
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6642056**
**LLI Group # 1307050**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/03/2012 12:21 by CP

Submitted: 05/07/2012 09:40
Reported: 05/17/2012 17:30

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | Acetone | 67-64-1 | N.D. | 500 | N.D. | 1,200 | 1000 |
| 05298 | Benzene | 71-43-2 | N.D. | 200 | N.D. | 640 | 1000 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | 200 | N.D. | 1,300 | 1000 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | 200 | N.D. | 1,300 | 1000 |
| 05298 | Bromoform | 75-25-2 | N.D. | 200 | N.D. | 2,100 | 1000 |
| 05298 | Bromomethane | 74-83-9 | N.D. | 200 | N.D. | 780 | 1000 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | 500 | N.D. | 1,100 | 1000 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | 500 | N.D. | 1,500 | 1000 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | 500 | N.D. | 1,600 | 1000 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | 200 | N.D. | 1,300 | 1000 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | 200 | N.D. | 920 | 1000 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | 200 | N.D. | 710 | 1000 |
| 05298 | Chloroethane | 75-00-3 | N.D. | 200 | N.D. | 530 | 1000 |
| 05298 | Chloroform | 67-66-3 | N.D. | 200 | N.D. | 980 | 1000 |
| 05298 | Chloromethane | 74-87-3 | N.D. | 200 | N.D. | 410 | 1000 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | 200 | N.D. | 630 | 1000 |
| 05298 | Cumene | 98-82-8 | N.D. | 200 | N.D. | 980 | 1000 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | 200 | N.D. | 1,700 | 1000 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | 200 | N.D. | 1,500 | 1000 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | 200 | N.D. | 1,400 | 1000 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 200 | N.D. | 1,200 | 1000 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 200 | N.D. | 1,200 | 1000 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 200 | N.D. | 1,200 | 1000 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | 200 | N.D. | 990 | 1000 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | N.D. | 200 | N.D. | 810 | 1000 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | 200 | N.D. | 810 | 1000 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 9,000 | 200 | 36,000 | 790 | 1000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | 200 | N.D. | 790 | 1000 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 200 | N.D. | 790 | 1000 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | 200 | N.D. | 840 | 1000 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | 200 | N.D. | 920 | 1000 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | 200 | N.D. | 910 | 1000 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | 200 | N.D. | 910 | 1000 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | 200 | N.D. | 870 | 1000 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | 200 | N.D. | 980 | 1000 |
| 05298 | Freon 113 | 76-13-1 | N.D. | 500 | N.D. | 3,800 | 1000 |
| 05298 | Freon 114 | 76-14-2 | N.D. | 200 | N.D. | 1,400 | 1000 |
| 05298 | Heptane | 142-82-5 | N.D. | 200 | N.D. | 820 | 1000 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | 200 | N.D. | 1,900 | 1000 |
| 05298 | Hexane | 110-54-3 | N.D. | 200 | N.D. | 700 | 1000 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | 500 | N.D. | 2,000 | 1000 |
| 05298 | Isooctane | 540-84-1 | N.D. | 200 | N.D. | 930 | 1000 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | 200 | N.D. | 720 | 1000 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 500 | N.D. | 2,000 | 1000 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | 200 | N.D. | 690 | 1000 |
| 05298 | Octane | 111-65-9 | N.D. | 200 | N.D. | 930 | 1000 |
| 05298 | Pentane | 109-66-0 | N.D. | 200 | N.D. | 590 | 1000 |
| 05298 | Styrene | 100-42-5 | N.D. | 200 | N.D. | 850 | 1000 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | 200 | N.D. | 1,400 | 1000 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | 200 | N.D. | 1,400 | 1000 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | 200 | N.D. | 1,400 | 1000 |
| 05298 | Toluene | 108-88-3 | 8,900 | 200 | 33,000 | 750 | 1000 |

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# Analysis Report



**Sample Description: SVE 1 Summa Can #164 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6642056**
**LLI Group # 1307050**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/03/2012 12:21 by CP

Submitted: 05/07/2012 09:40
Reported: 05/17/2012 17:30

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 100,000 | 500 | 550,000 | 2,700 | 2500 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 200 | N.D. | 1,200 | 1000 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 200 | N.D. | 980 | 1000 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 200 | N.D. | 980 | 1000 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 200 | N.D. | 510 | 1000 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 200 | N.D. | 870 | 1000 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 200 | N.D. | 870 | 1000 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1213630AA | 05/16/2012 01:50 | Florida A Cimino | 1000 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1213630AB | 05/16/2012 14:03 | Jeffrey B Smith | 2500 |

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# Analysis Report



**Sample Description: MP 07 Summa Can #113 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6642057**
**LLI Group # 1307050**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/03/2012 12:23 by CP

Submitted: 05/07/2012 09:40
Reported: 05/17/2012 17:30

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 5.8 | J | 5.0 | 14 | J | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 5.0 | N.D. | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 5.0 | N.D. | | 16 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 16 | | 2.0 | 63 | | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 910 | | 4.0 | 3,600 | | 16 | 20 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | 2.6 | J | 2.0 | 19 | J | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | 3.2 | J | 2.0 | 11 | J | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Toluene | 108-88-3 | 140 | | 2.0 | 510 | | 7.5 | 10 |

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# Analysis Report



**Sample Description: MP 07 Summa Can #113 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6642057**
**LLI Group # 1307050**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/03/2012 12:23 by CP

Submitted: 05/07/2012 09:40
Reported: 05/17/2012 17:30

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 450 | | 2.0 | 2,400 | | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 15 | | 2.0 | 86 | | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 2.0 | N.D. | | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | 4.0 | J | 2.0 | 18 | J | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1213630AA | 05/16/2012 02:33 | Florida A Cimino | 10 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1213630AB | 05/16/2012 14:47 | Jeffrey B Smith | 20 |

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# Analysis Report



**Sample Description:** SVE 4 Summa Can #815 Grab Air
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6642058**
**LLI Group # 1307050**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/03/2012 12:33 by CP

Submitted: 05/07/2012 09:40
Reported: 05/17/2012 17:30

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 7.4 | | 0.50 | 18 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | N.D. | | 0.20 | N.D. | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 1.9 | J | 0.50 | 5.5 | J | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 0.50 | N.D. | | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 0.72 | J | 0.20 | 2.6 | J | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | 0.44 | J | 0.20 | 2.2 | J | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 0.20 | N.D. | | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 1.0 | | 0.20 | 5.1 | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | 0.62 | J | 0.20 | 3.7 | J | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | 0.61 | J | 0.20 | 3.7 | J | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | 0.78 | J | 0.20 | 4.7 | J | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.58 | J | 0.20 | 2.9 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 0.77 | J | 0.20 | 3.1 | J | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 0.46 | J | 0.20 | 2.0 | J | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | 0.45 | J | 0.20 | 2.2 | J | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | 0.62 | J | 0.20 | 4.3 | J | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 0.20 | N.D. | | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.97 | J | 0.20 | 2.9 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | 0.23 | J | 0.20 | 1.0 | J | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 0.37 | J | 0.20 | 2.5 | J | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 0.23 | J | 0.20 | 0.85 | J | 0.75 | 1 |

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# Analysis Report



**Sample Description: SVE 4 Summa Can #815 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6642058**
**LLI Group # 1307050**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/03/2012 12:33 by CP

Submitted: 05/07/2012 09:40
Reported: 05/17/2012 17:30

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 1.6 | | 0.20 | 8.7 | | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 4.5 | | 0.20 | 25 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 0.69 | J | 0.20 | 3.4 | J | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | 0.76 | J | 0.20 | 3.7 | J | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 1.3 | | 0.20 | 5.8 | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 0.91 | J | 0.20 | 3.9 | J | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1213630AA | 05/16/2012 03:21 | Florida A Cimino | 1 |

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# Analysis Report



**Sample Description: MP 08 Summa Can #884 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6642059**
**LLI Group # 1307050**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/03/2012 12:07 by CP

Submitted: 05/07/2012 09:40
Reported: 05/17/2012 17:30

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | N.D. | | 5.0 | N.D. | | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 5.0 | N.D. | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 5.0 | N.D. | | 16 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 2.4 | J | 2.0 | 9.8 | J | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 570 | | 2.0 | 2,200 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | 2.4 | J | 2.0 | 17 | J | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | 2.6 | J | 2.0 | 9.2 | J | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Toluene | 108-88-3 | N.D. | | 2.0 | N.D. | | 7.5 | 10 |

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# Analysis Report



**Sample Description: MP 08 Summa Can #884 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6642059**
**LLI Group # 1307050**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/03/2012 12:07 by CP

Submitted: 05/07/2012 09:40
Reported: 05/17/2012 17:30

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 130 | 2.0 | 700 | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 14 | 2.0 | 79 | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 2.0 | N.D. | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 2.0 | N.D. | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 2.0 | N.D. | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 2.0 | N.D. | 8.7 | 10 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1213630AA | 05/16/2012 04:05 | Florida A Cimino | 10 |

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# Analysis Report



**Sample Description: MW 65s Summa Can #156 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6642060**
**LLI Group # 1307050**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/03/2012 12:02 by CP

Submitted: 05/07/2012 09:40
Reported: 05/17/2012 17:30

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 1,000 | J | 500 | 2,500 | J | 1,200 | 1000 |
| 05298 | Benzene | 71-43-2 | N.D. | | 200 | N.D. | | 640 | 1000 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 200 | N.D. | | 2,100 | 1000 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 200 | N.D. | | 780 | 1000 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 500 | N.D. | | 1,100 | 1000 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 500 | N.D. | | 1,500 | 1000 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 500 | N.D. | | 1,600 | 1000 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 200 | N.D. | | 710 | 1000 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 200 | N.D. | | 530 | 1000 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 200 | N.D. | | 410 | 1000 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 200 | N.D. | | 630 | 1000 |
| 05298 | Cumene | 98-82-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 200 | N.D. | | 1,700 | 1000 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 200 | N.D. | | 1,500 | 1000 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 200 | N.D. | | 990 | 1000 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 230 | J | 200 | 930 | J | 810 | 1000 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 200 | N.D. | | 810 | 1000 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 190,000 | | 2,000 | 770,000 | | 7,900 | 10000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 200 | N.D. | | 840 | 1000 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 200 | N.D. | | 870 | 1000 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 500 | N.D. | | 3,800 | 1000 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Heptane | 142-82-5 | N.D. | | 200 | N.D. | | 820 | 1000 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 200 | N.D. | | 1,900 | 1000 |
| 05298 | Hexane | 110-54-3 | N.D. | | 200 | N.D. | | 700 | 1000 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 200 | N.D. | | 720 | 1000 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Methylene Chloride | 75-09-2 | 300 | J | 200 | 1,100 | J | 690 | 1000 |
| 05298 | Octane | 111-65-9 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Pentane | 109-66-0 | N.D. | | 200 | N.D. | | 590 | 1000 |
| 05298 | Styrene | 100-42-5 | N.D. | | 200 | N.D. | | 850 | 1000 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Toluene | 108-88-3 | N.D. | | 200 | N.D. | | 750 | 1000 |

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# Analysis Report



**Sample Description: MW 65s Summa Can #156 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6642060**
**LLI Group # 1307050**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/03/2012 12:02 by CP

Submitted: 05/07/2012 09:40
Reported: 05/17/2012 17:30

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 26,000 | 200 | 140,000 | 1,100 | 1000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 200 | N.D. | 1,200 | 1000 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 200 | N.D. | 980 | 1000 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 200 | N.D. | 980 | 1000 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 200 | N.D. | 510 | 1000 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 200 | N.D. | 870 | 1000 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 200 | N.D. | 870 | 1000 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1213630AA | 05/16/2012 04:48 | Florida A Cimino | 1000 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1213630AB | 05/17/2012 00:39 | Jeffrey B Smith | 10000 |

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# Analysis Report



**Sample Description: MP 05 Summa Can #180 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6642061**
**LLI Group # 1307050**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/03/2012 13:00 by CP

Submitted: 05/07/2012 09:40
Reported: 05/17/2012 17:30

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 4.8 | | 0.50 | 11 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | N.D. | | 0.20 | N.D. | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 1.2 | J | 0.50 | 3.4 | J | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 0.50 | N.D. | | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 1.3 | | 0.20 | 4.7 | | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 0.20 | N.D. | | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 0.79 | J | 0.20 | 3.9 | J | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.64 | J | 0.20 | 3.2 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 40 | | 0.20 | 160 | | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 0.36 | J | 0.20 | 1.3 | J | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.31 | J | 0.20 | 0.92 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 0.21 | J | 0.20 | 1.4 | J | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 0.21 | J | 0.20 | 0.77 | J | 0.75 | 1 |

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# Analysis Report



**Sample Description: MP 05 Summa Can #180 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6642061**
**LLI Group # 1307050**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/03/2012 13:00 by CP

Submitted: 05/07/2012 09:40
Reported: 05/17/2012 17:30

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 0.24 | J | 0.20 | 1.3 | J | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 13 | | 0.20 | 70 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1213630AB | 05/16/2012 16:22 | Jeffrey B Smith | 1 |

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# Analysis Report



**Sample Description: MP 06 Summa Can #859 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6642062**
**LLI Group # 1307050**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/03/2012 12:17 by CP

Submitted: 05/07/2012 09:40
Reported: 05/17/2012 17:30

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 8.8 | J | 5.0 | 21 | J | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 5.0 | N.D. | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 5.0 | N.D. | | 16 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 2.1 | J | 2.0 | 7.3 | J | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 3.9 | J | 2.0 | 16 | J | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 280 | | 2.0 | 1,100 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | 3.0 | J | 2.0 | 21 | J | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 2.0 | N.D. | | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Toluene | 108-88-3 | 11 | | 2.0 | 41 | | 7.5 | 10 |

**Sample Description: MP 06 Summa Can #859 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6642062**
**LLI Group # 1307050**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/03/2012 12:17 by CP

Submitted: 05/07/2012 09:40
Reported: 05/17/2012 17:30

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 59 | | 2.0 | 320 | | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 19 | | 2.0 | 110 | | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 2.0 | N.D. | | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | 2.5 | J | 2.0 | 11 | J | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1213630AA | 05/16/2012 06:15 | Florida A Cimino | 10 |

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# Analysis Report



**Sample Description: Undiluted Summa Can# 528 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6642064**
**LLI Group # 1307050**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/03/2012 11:30 by CP

Submitted: 05/07/2012 09:40
Reported: 05/17/2012 17:30

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 6.0 | J | 5.0 | 14 | J | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 5.0 | N.D. | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 5.0 | N.D. | | 16 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 9.1 | J | 2.0 | 37 | J | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 520 | | 2.0 | 2,100 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | 2.6 | J | 2.0 | 18 | J | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | 2.2 | J | 2.0 | 7.7 | J | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | 2.9 | J | 2.0 | 8.7 | J | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Toluene | 108-88-3 | 35 | | 2.0 | 130 | | 7.5 | 10 |

eurofins | Lancaster Laboratories

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# Analysis Report



**Sample Description: Undiluted Summa Can# 528 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6642064**
**LLI Group # 1307050**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/03/2012 11:30 by CP

Submitted: 05/07/2012 09:40
Reported: 05/17/2012 17:30

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 260 | 2.0 | 1,400 | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 15 | 2.0 | 86 | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 2.0 | N.D. | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 2.0 | N.D. | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 2.0 | N.D. | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 2.0 | N.D. | 8.7 | 10 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1213630AA | 05/16/2012 06:58 | Florida A Cimino | 10 |

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# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1307050
Reported: 05/17/12 at 05:30 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

## Laboratory Compliance Quality Control

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: D1213230AC | Sample number(s): 6642043-6642047 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 69 | 72 | 67-138 | 4 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 79 | 82 | 70-130 | 5 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 79 | 83 | 70-138 | 5 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 87 | 92 | 71-150 | 6 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 93 | 96 | 70-130 | 3 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 90 | 93 | 60-135 | 4 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 81 | 83 | 66-129 | 3 | 25 |
| Carbon Disulfide | N.D. | 0.50 | ppb(v) | 75 | 79 | 56-106 | 4 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 83 | 85 | 70-130 | 3 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 77 | 80 | 70-130 | 4 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 92 | 93 | 71-129 | 1 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 81 | 81 | 70-130 | 0 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 88 | 93 | 58-129 | 6 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 79 | 84 | 68-138 | 6 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 81 | 85 | 71-135 | 5 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 83 | 86 | 71-143 | 3 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 80 | 83 | 68-136 | 4 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 82 | 86 | 67-140 | 4 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 91 | 96 | 72-140 | 5 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 82 | 85 | 66-126 | 4 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 79 | 82 | 70-130 | 4 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 80 | 83 | 64-117 | 3 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 85 | 86 | 69-120 | 0 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 83 | 86 | 67-121 | 4 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 73 | 76 | 70-130 | 4 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 83 | 86 | 67-134 | 4 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 81 | 84 | 67-134 | 4 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 81 | 83 | 70-130 | 2 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 75 | 79 | 69-135 | 5 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 77 | 78 | 67-115 | 1 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 83 | 84 | 66-120 | 2 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 78 | 83 | 60-125 | 6 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 81 | 84 | 62-120 | 5 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 85 | 89 | 54-166 | 5 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 79 | 81 | 64-124 | 3 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 81 | 87 | 61-145 | 7 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 79 | 82 | 70-130 | 3 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1307050
Reported: 05/17/12 at 05:30 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 83 | 86 | 70-139 | 3 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 78 | 81 | 67-145 | 5 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 71 | 75 | 70-130 | 5 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 80 | 84 | 70-130 | 4 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 83 | 84 | 70-130 | 1 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 78 | 81 | 68-128 | 4 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 84 | 89 | 70-130 | 5 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 91 | 92 | 70-130 | 2 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 73 | 76 | 69-138 | 5 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 79 | 83 | 71-142 | 5 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 94 | 99 | 70-130 | 5 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 86 | 88 | 70-130 | 3 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 83 | 86 | 70-130 | 4 | 25 |
| Batch number: D1213630AA | Sample number(s): 6642048-6642060,6642062,6642064 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 101 | 103 | 67-138 | 2 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 107 | 108 | 70-130 | 1 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 109 | 110 | 70-138 | 1 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 120 | 122 | 71-150 | 1 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 117 | 120 | 70-130 | 3 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 113 | 116 | 60-135 | 2 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 125 | 126 | 66-129 | 1 | 25 |
| Carbon Disulfide | N.D. | 0.50 | ppb(v) | 91 | 94 | 56-106 | 3 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 118 | 121 | 70-130 | 3 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 94 | 95 | 70-130 | 1 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 122 | 124 | 71-129 | 2 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 105 | 108 | 70-130 | 2 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 113 | 111 | 58-129 | 2 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 104 | 105 | 68-138 | 1 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 102 | 103 | 71-135 | 1 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 107 | 109 | 71-143 | 2 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 101 | 102 | 68-136 | 1 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 103 | 106 | 67-140 | 2 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 115 | 118 | 72-140 | 2 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 108 | 111 | 66-126 | 3 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 107 | 109 | 70-130 | 1 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 103 | 106 | 64-117 | 3 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 113 | 116 | 69-120 | 2 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 107 | 110 | 67-121 | 3 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 98 | 99 | 70-130 | 0 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 117 | 118 | 67-134 | 1 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 106 | 106 | 67-134 | 1 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 104 | 105 | 70-130 | 1 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 106 | 107 | 69-135 | 1 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 103 | 105 | 67-115 | 2 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 105 | 106 | 66-120 | 2 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 104 | 106 | 60-125 | 2 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1307050
Reported: 05/17/12 at 05:30 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Hexane | N.D. | 0.20 | ppb(v) | 107 | 109 | 62-120 | 2 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 124 | 126 | 54-166 | 1 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 123 | 124 | 64-124 | 1 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 126 | 127 | 61-145 | 1 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 102 | 105 | 70-130 | 3 | 25 |
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 109 | 110 | 70-139 | 1 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 104 | 105 | 67-145 | 1 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 89 | 90 | 70-130 | 1 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 101 | 102 | 70-130 | 1 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 116 | 119 | 70-130 | 2 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 95 | 97 | 68-128 | 2 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 108 | 109 | 70-130 | 2 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 116 | 119 | 70-130 | 2 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 102 | 104 | 69-138 | 2 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 110 | 112 | 71-142 | 2 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 118 | 121 | 70-130 | 3 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 112 | 113 | 70-130 | 1 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 111 | 112 | 70-130 | 1 | 25 |
| Batch number: D1213630AB | Sample number(s): 6642052,6642056-6642057,6642060-6642061 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 101 | 103 | 67-138 | 2 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 107 | 108 | 70-130 | 1 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 109 | 110 | 70-138 | 1 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 120 | 122 | 71-150 | 1 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 117 | 120 | 70-130 | 3 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 113 | 116 | 60-135 | 2 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 125 | 126 | 66-129 | 1 | 25 |
| Carbon Disulfide | N.D. | 0.50 | ppb(v) | 91 | 94 | 56-106 | 3 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 118 | 121 | 70-130 | 3 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 94 | 95 | 70-130 | 1 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 122 | 124 | 71-129 | 2 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 105 | 108 | 70-130 | 2 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 113 | 111 | 58-129 | 2 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 104 | 105 | 68-138 | 1 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 102 | 103 | 71-135 | 1 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 107 | 109 | 71-143 | 2 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 101 | 102 | 68-136 | 1 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 103 | 106 | 67-140 | 2 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 115 | 118 | 72-140 | 2 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 108 | 111 | 66-126 | 3 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 107 | 109 | 70-130 | 1 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 103 | 106 | 64-117 | 3 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 113 | 116 | 69-120 | 2 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 107 | 110 | 67-121 | 3 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 98 | 99 | 70-130 | 0 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 117 | 118 | 67-134 | 1 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 106 | 106 | 67-134 | 1 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1307050
Reported: 05/17/12 at 05:30 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 104 | 105 | 70-130 | 1 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 106 | 107 | 69-135 | 1 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 103 | 105 | 67-115 | 2 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 105 | 106 | 66-120 | 2 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 104 | 106 | 60-125 | 2 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 107 | 109 | 62-120 | 2 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 124 | 126 | 54-166 | 1 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 123 | 124 | 64-124 | 1 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 126 | 127 | 61-145 | 1 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 102 | 105 | 70-130 | 3 | 25 |
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 109 | 110 | 70-139 | 1 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 104 | 105 | 67-145 | 1 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 89 | 90 | 70-130 | 1 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 101 | 102 | 70-130 | 1 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 116 | 119 | 70-130 | 2 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 95 | 97 | 68-128 | 2 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 108 | 109 | 70-130 | 2 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 116 | 119 | 70-130 | 2 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 102 | 104 | 69-138 | 2 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 110 | 112 | 71-142 | 2 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 118 | 121 | 70-130 | 3 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 112 | 113 | 70-130 | 1 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 111 | 112 | 70-130 | 1 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Summa Canister Field Test Data/Chain of Custody

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Acct. # 10556 Group # 1307050 For Lancaster Laboratories use only Sample # 6642043-64 Bottle Order (SCR) # 121474

Instructions on reverse side correspond with circled numbers.

## (1) Client Information

Client: Johnson Co
Account #:
Project Name/#: Flaway Branch SVE
Project Manager: Todd Hall
P.O. #:
Sampler: Calvin Pruitt
Quote #:
Name of state where samples were collected: CA

## (3) Turnaround Time Requested (TAT) (circle one)

Standard | Rush (specify) _____

## (4) Data Package Required?

Yes No

## (5) EDD Required?

Yes No

| | Temperature (F) | | Pressure ("Hg) | |
|---|---|---|---|---|
| | Start | Stop | Start | Stop |
| Ambient | | | | |
| Maximum | | | | |
| Minimum | | | | |

## (6) Analyses Requested

EPA TO - 15 | EPA 18 | ☐ MTBE | ☐ BTEX | EPA 25 (select range below) | Helium as tracer | O2/CO2 | Library Search

## (2)

| Sample Identification | Sample Collection Date | Time Start (24 hr clock) | Time Stop (24 hr clock) | Canister Pressure in Field ("Hg) (Start) | Canister Pressure in Field ("Hg) (Stop) | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Flow Reg. ID | Can ID | Can Size (L) | Controller Flowrate (ml/min) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SVE 6 | 5/3 | 12:38 | | | | | | — | 876 | 6 | — |
| MP 04 | | 12:56 | | | | | | — | 13 | 6 | — |
| VW 5 | | 12:11 | | | | | | — | 95 | 6 | — |
| VW 3 | | 11:55 | | | | | | — | 899 | 6 | — |
| MP 09 | | 11:35 | | | | | | — | 838 | 6 | — |
| VW 6 | | 12:52 | | | | | | — | 331 | 6 | — |
| MP 11 | | 11:45 | | | | | | — | 75 | 6 | — |
| MP 10 | | 11:57 | | | | | | — | 12 | 6 | — |
| MP 02 | | 11:30 | | | | | | — | 186 | 6 | — |
| MW 64 | | 12:15 | | | | | | — | 167 | 6 | — |
| SVE 2 | | 12:29 | | | | | | — | 873 | 6 | — |

## (7) Instructions/QC Requirements & Comments

send to TAHEJ@gmail.com

**EPA 25** (check one)
☐ C1 - C4 ☐ C2 - C10
☐ C1 - C10 ☐ C4 - C10 (GRO)
☐ C2 - C4

| Canisters Shipped by: | Date/Time: | Canisters Received by: | Date/Time | Relinquished by: | Date/Time | Received by: | Date/Time: (8) |
|---|---|---|---|---|---|---|---|
| CLW | 4-30-12 | Calvin Pruitt | 5/3 11:30 | | | | |
| Relinquished by: Calvin Pruitt | Date/Time: 5/3 13:15 | Received by: FedEx | Date/Time: 5/3 | Relinquished by: | Date/Time: | Received by: | Date/Time: |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Relinquished by: | Date/Time: | Received by: | Date/Time: 5/7/12 0940 |

# Summa Canister Field Test Data/Chain of Custody

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Acct. # 6556 Group # 1307050 For Lancaster Laboratories use only Sample # 664204 3-64 Bottle Order (SCR) # 121474

Instructions on reverse side correspond with circled numbers.

## (1) Client Information

Client: Johnson Co
Account #:
Project Name/#: Flowery Branch SVE
Project Manager: Todd Hall
P.O. #:
Sampler: Calvin Pruitt
Quote #:
Name of state where samples were collected: GA

## (3) Turnaround Time Requested (TAT) (circle one)

(Standard) Rush (specify) _____

## (4) Data Package Required?

Yes No

## (5) EDD Required?

Yes No

| | Temperature (F) | | Pressure ("Hg) | |
|---|---|---|---|---|
| | Start | Stop | Start | Stop |
| Ambient | | | | |
| Maximum | | | | |
| Minimum | | | | |

## (6) Analyses Requested

EPA TO - 15 | EPA 18 ☐ BTEX ☐ MTBE | EPA 25 (select range below) | Helium as tracer | O2/CO2 | Library Search

## (2)

| Sample Identification | Sample Collection Date | Time Start (24 hr clock) | Time Stop (24 hr clock) | Canister Pressure in Field ("Hg) (Start) | Canister Pressure in Field ("Hg) (Stop) | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Flow Reg. ID | Can ID | Can Size (L) | Controller Flowrate (ml/min) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SVE 3 | 5/3 | 12:26 | | | | | | — | 32 | 6 | — |
| SVE 5 | | 12:42 | | | | | | — | 890 | 6 | — |
| SVE 1 | | 12:21 | | | | | | — | 164 | 6 | — |
| MP 07 | | 12:23 | | | | | | — | 113 | 6 | — |
| SVE 4 | | 12:33 | | | | | | — | 815 | 6 | — |
| MP 08 | | 12:07 | | | | | | — | 884 | 6 | — |
| MW 65s | | 12:02 | | | | | | — | 156 | 6 | — |
| MP 05 | | 13:00 | | | | | | — | 180 | 6 | — |
| ~~MP05~~ MP06 | | ~~12:07~~ | 12:17 | | | | | — | 859 | 6 | — |
| MP 03 | | 12:47 | | | | | | — | 543 | 6 | — |
| Undiluted | | 1130 | | | | | | — | 528 | 6 | — |

## (7) Instructions/QC Requirements & Comments

send to TCH@JCOmail.com

**EPA 25** (check one)

☐ C1 - C4 ☐ C2 - C10
☐ C1 - C10 ☐ C4 - C10 (GRO)
☐ C2 - C4

| Canisters Shipped by: | Date/Time: | Canisters Received by: | Date/Time | Relinquished by: | Date/Time | Received by: | Date/Time: (8) |
|---|---|---|---|---|---|---|---|
| Fedex | 4-30-12 0249 | Calvin Pruitt | 5/3 11:[illegible] | ~~Relinquished by:~~ | | | |
| Relinquished by: Calvin Pruitt | Date/Time: 5/3 13:15 | Received by: FedEx | Date/Time: 5/4 | Relinquished by: | Date/Time: | Received by: | Date/Time: |
| ~~Relinquished by:~~ | Date/Time: | Received by: | Date/Time: | Relinquished by: | Date/Time: | Received by: Nancy Herlach | Date/Time: 0940 5/7/12 |

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# Environmental Sample Administration Receipt Documentation Log

**Client/Project:** Johnson Co

**Date of Receipt:** 5/7/12

**Time of Receipt:** 0940

**Source Code:** 60-1

**Shipping Container Sealed:** (YES) NO

**Custody Seal Present * :** YES (NO)

* Custody seal was intact unless otherwise noted in the discrepancy section

**Package:** Chilled (Not Chilled)

| Temperature of Shipping Containers | | | | | | | |
|---|---|---|---|---|---|---|---|
| Cooler # | Thermometer ID | Temperature (°C) | Temp Bottle (TB) or Surface Temp (ST) | Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP) | Ice Present? Y/N | Loose (L) Bagged Ice (B) or NA | Comments |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |

**Number of Trip Blanks received NOT listed on chain of custody:** 0

**Paperwork Discrepancy/Unpacking Problems:**

**Unpacker Signature/Emp#:** [signature] 2316 **Date/Time:** 5/7/12 1015

Issued by Dept. 6042 Management

2174.06

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# Explanation of Symbols and Abbreviations

*The following defines common symbols and abbreviations used in reporting technical data:*

| | | | |
|---|---|---|---|
| **RL** | Reporting Limit | **BMQL** | Below Minimum Quantitation Level |
| **N.D.** | none detected | **MPN** | Most Probable Number |
| **TNTC** | Too Numerous To Count | **CP Units** | cobalt-chloroplatinate units |
| **IU** | International Units | **NTU** | nephelometric turbidity units |
| **umhos/cm** | micromhos/cm | **ng** | nanogram(s) |
| **C** | degrees Celsius | **F** | degrees Fahrenheit |
| **meq** | milliequivalents | **lb.** | pound(s) |
| **g** | gram(s) | **kg** | kilogram(s) |
| **µg** | microgram(s) | **mg** | milligram(s) |
| **mL** | milliliter(s) | **L** | liter(s) |
| **m3** | cubic meter(s) | **µL** | microliter(s) |
| | | **pg/L** | picogram/liter |

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

*Data Qualifiers:*

**C –** result confirmed by reanalysis.

**J -** estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

*U.S. EPA CLP Data Qualifiers:*

| **Organic Qualifiers** | | **Inorganic Qualifiers** | |
|---|---|---|---|
| **A** | TIC is a possible aldol-condensation product | **B** | Value is <CRDL, but ≥IDL |
| **B** | Analyte was also detected in the blank | **E** | Estimated due to interference |
| **C** | Pesticide result confirmed by GC/MS | **M** | Duplicate injection precision not met |
| **D** | Compound quantitated on a diluted sample | **N** | Spike sample not within control limits |
| **E** | Concentration exceeds the calibration range of the instrument | **S** | Method of standard additions (MSA) used for calculation |
| **N** | Presumptive evidence of a compound (TICs only) | **U** | Compound was not detected |
| **P** | Concentration difference between primary and confirmation columns >25% | **W** | Post digestion spike out of control limits |
| **U** | Compound was not detected | ***** | Duplicate analysis not within control limits |
| **X,Y,Z** | Defined in case narrative | **+** | Correlation coefficient for MSA <0.995 |

**Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.**

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

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# Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

May 29, 2012

Project: Avery Dennison / Flowery Branch, GA

Submittal Date: 05/21/2012
Group Number: 1310347
PO Number: 1-0145-4
State of Sample Origin: GA

| Client Sample Description | Lancaster Labs (LLI) # |
|---|---|
| MP-9 Summa Can #862 Air | 6659554 |
| MP-11 Summa Can #135 Air | 6659555 |
| MP-3 Summa Can #524 Air | 6659556 |
| SVE-7 Summa Can #511 Air | 6659557 |

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO The Johnson Company, Inc. Attn: Todd Hall

Respectfully Submitted,

Wendy A. Kozma
Principal Specialist Group Leader

(717) 556-7257

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# Analysis Report



**Sample Description: MP-9 Summa Can #862 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6659554**
**LLI Group # 1310347**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/17/2012 12:46 by TRO

Submitted: 05/21/2012 10:05
Reported: 05/29/2012 16:26

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

862--

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 76 | | 5.0 | 180 | | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 0.20 | N.D. | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | 0.35 | J | 0.20 | 2.3 | J | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 31 | | 0.50 | 92 | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 0.66 | J | 0.50 | 2.0 | J | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | 0.27 | J | 0.20 | 1.3 | J | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 0.26 | J | 0.20 | 0.91 | J | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | 0.48 | J | 0.20 | 2.3 | J | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 0.74 | J | 0.20 | 1.5 | J | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 16 | | 0.20 | 78 | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | 1.1 | | 0.20 | 6.9 | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | 1.3 | | 0.20 | 7.6 | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | 1.2 | | 0.20 | 7.0 | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.57 | J | 0.20 | 2.8 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 0.25 | J | 0.20 | 1.0 | J | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 12 | | 0.20 | 48 | | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 0.90 | J | 0.20 | 3.9 | J | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | 1.0 | | 0.20 | 5.0 | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | 4.8 | | 0.20 | 17 | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | 3.6 | | 0.50 | 15 | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 0.26 | J | 0.20 | 0.92 | J | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 4.0 | | 0.20 | 12 | | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | 1.2 | | 0.20 | 5.3 | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 0.28 | J | 0.20 | 1.9 | J | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 0.32 | J | 0.20 | 2.2 | J | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 1.9 | | 0.20 | 7.3 | | 0.75 | 1 |

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# Analysis Report



**Sample Description: MP-9 Summa Can #862 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6659554**
**LLI Group # 1310347**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/17/2012 12:46 by TRO

Submitted: 05/21/2012 10:05
Reported: 05/29/2012 16:26

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

862--

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 4.8 | | 0.20 | 26 | | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 0.28 | J | 0.20 | 1.6 | J | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 1.9 | | 0.20 | 9.2 | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | 1.2 | | 0.20 | 5.7 | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 2.5 | | 0.20 | 11 | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 1.6 | | 0.20 | 6.9 | | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1214330AB | 05/23/2012 23:48 | Michael A Ziegler | 1 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1214330AB | 05/24/2012 09:45 | Michael A Ziegler | 10 |

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# Analysis Report



**Sample Description: MP-11 Summa Can #135 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6659555**
**LLI Group # 1310347**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/17/2012 12:42 by TRO

Submitted: 05/21/2012 10:05
Reported: 05/29/2012 16:26

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

135--

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 500 | | 5.0 | 1,200 | | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 0.20 | N.D. | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 410 | | 5.0 | 1,200 | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | 6.6 | | 0.50 | 21 | | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 0.20 | N.D. | | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | 1.5 | | 0.20 | 7.4 | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 1.8 | | 0.20 | 3.7 | | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 1.0 | | 0.20 | 5.0 | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | 0.56 | J | 0.20 | 3.4 | J | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | 0.54 | J | 0.20 | 3.2 | J | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | 0.55 | J | 0.20 | 3.3 | J | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.62 | J | 0.20 | 3.0 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 3.6 | | 0.20 | 15 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 1,000 | | 4.0 | 4,100 | | 16 | 20 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 0.85 | J | 0.20 | 3.7 | J | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | 0.39 | J | 0.20 | 1.9 | J | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | 0.21 | J | 0.20 | 0.85 | J | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | 0.33 | J | 0.20 | 1.2 | J | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | 21 | | 5.0 | 85 | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | 0.21 | J | 0.20 | 0.73 | J | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 1.6 | | 0.20 | 4.8 | | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | 0.38 | J | 0.20 | 1.6 | J | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 0.67 | J | 0.20 | 4.6 | J | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 1.7 | | 0.20 | 6.4 | | 0.75 | 1 |

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# Analysis Report



**Sample Description: MP-11 Summa Can #135 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6659555**
**LLI Group # 1310347**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/17/2012 12:42 by TRO

Submitted: 05/21/2012 10:05
Reported: 05/29/2012 16:26

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

135--

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 580 | | 2.0 | 3,200 | | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | 0.32 | J | 0.20 | 1.7 | J | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 0.35 | J | 0.20 | 1.9 | J | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 0.89 | J | 0.20 | 4.4 | J | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | 0.59 | J | 0.20 | 2.9 | J | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 3.6 | | 0.20 | 16 | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 1.7 | | 0.20 | 7.2 | | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1214330AB | 05/24/2012 00:37 | Michael A Ziegler | 1 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1214330AB | 05/24/2012 10:29 | Michael A Ziegler | 20 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1214330AB | 05/24/2012 13:38 | Michael A Ziegler | 10 |

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# Analysis Report



**Sample Description: MP-3 Summa Can #524 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6659556**
**LLI Group # 1310347**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/17/2012 12:27 by TRO

Submitted: 05/21/2012 10:05
Reported: 05/29/2012 16:26

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

524--

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 9.1 | | 0.50 | 22 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | N.D. | | 0.20 | N.D. | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 2.7 | | 0.50 | 8.0 | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 1.8 | | 0.50 | 5.5 | | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 2.3 | | 0.20 | 8.0 | | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 0.20 | N.D. | | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 0.35 | J | 0.20 | 1.7 | J | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.64 | J | 0.20 | 3.2 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 14 | | 0.20 | 58 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 0.33 | J | 0.20 | 1.3 | J | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 310 | | 4.0 | 1,200 | | 16 | 20 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 0.67 | J | 0.20 | 2.3 | J | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.50 | J | 0.20 | 1.5 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 2.8 | | 0.20 | 19 | | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 47 | | 0.20 | 180 | | 0.75 | 1 |

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# Analysis Report



**Sample Description: MP-3 Summa Can #524 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6659556**
**LLI Group # 1310347**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/17/2012 12:27 by TRO

Submitted: 05/21/2012 10:05
Reported: 05/29/2012 16:26

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

524--

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 840 | | 4.0 | 4,600 | | 22 | 20 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | 0.22 | J | 0.20 | 1.2 | J | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 9.5 | | 0.20 | 53 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 0.30 | J | 0.20 | 1.5 | J | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | 0.29 | J | 0.20 | 0.75 | J | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 1.0 | | 0.20 | 4.4 | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 0.52 | J | 0.20 | 2.3 | J | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1214330AB | 05/24/2012 01:25 | Michael A Ziegler | 1 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1214330AB | 05/24/2012 11:13 | Michael A Ziegler | 20 |

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# Analysis Report



**Sample Description: SVE-7 Summa Can #511 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6659557**
**LLI Group # 1310347**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/17/2012 12:50 by TRO

Submitted: 05/21/2012 10:05
Reported: 05/29/2012 16:26

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

511--

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 23,000 | | 500 | 53,000 | | 1,200 | 1000 |
| 05298 | Benzene | 71-43-2 | N.D. | | 200 | N.D. | | 640 | 1000 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 200 | N.D. | | 2,100 | 1000 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 200 | N.D. | | 780 | 1000 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 500 | N.D. | | 1,100 | 1000 |
| 05298 | 2-Butanone | 78-93-3 | 24,000 | | 500 | 72,000 | | 1,500 | 1000 |
| 05298 | Carbon Disulfide | 75-15-0 | 730 | J | 500 | 2,300 | J | 1,600 | 1000 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 200 | N.D. | | 710 | 1000 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 200 | N.D. | | 530 | 1000 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 200 | N.D. | | 410 | 1000 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 200 | N.D. | | 630 | 1000 |
| 05298 | Cumene | 98-82-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 200 | N.D. | | 1,700 | 1000 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 200 | N.D. | | 1,500 | 1000 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 200 | N.D. | | 990 | 1000 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | N.D. | | 200 | N.D. | | 810 | 1000 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 200 | N.D. | | 810 | 1000 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 6,300 | | 200 | 25,000 | | 790 | 1000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 200 | N.D. | | 840 | 1000 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 200 | N.D. | | 870 | 1000 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 500 | N.D. | | 3,800 | 1000 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Heptane | 142-82-5 | N.D. | | 200 | N.D. | | 820 | 1000 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 200 | N.D. | | 1,900 | 1000 |
| 05298 | Hexane | 110-54-3 | N.D. | | 200 | N.D. | | 700 | 1000 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 200 | N.D. | | 720 | 1000 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Methylene Chloride | 75-09-2 | 320 | J | 200 | 1,100 | J | 690 | 1000 |
| 05298 | Octane | 111-65-9 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Pentane | 109-66-0 | N.D. | | 200 | N.D. | | 590 | 1000 |
| 05298 | Styrene | 100-42-5 | N.D. | | 200 | N.D. | | 850 | 1000 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Toluene | 108-88-3 | N.D. | | 200 | N.D. | | 750 | 1000 |

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# Analysis Report



**Sample Description: SVE-7 Summa Can #511 Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6659557**
**LLI Group # 1310347**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/17/2012 12:50 by TRO

Submitted: 05/21/2012 10:05
Reported: 05/29/2012 16:26

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

511--

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 1,100 | 200 | 6,000 | 1,100 | 1000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 200 | N.D. | 1,200 | 1000 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 200 | N.D. | 980 | 1000 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 200 | N.D. | 980 | 1000 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 200 | N.D. | 510 | 1000 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 200 | N.D. | 870 | 1000 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 200 | N.D. | 870 | 1000 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1214330AB | 05/24/2012 02:10 | Michael A Ziegler | 1000 |

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# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1310347
Reported: 05/29/12 at 04:26 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

## Laboratory Compliance Quality Control

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: D1214330AB | Sample number(s): 6659554-6659557 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 95 | 111 | 67-138 | 16 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 100 | 113 | 70-130 | 12 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 107 | 119 | 70-138 | 11 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 124 | 131 | 71-150 | 6 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 109 | 120 | 70-130 | 10 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 100 | 112 | 60-135 | 11 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 106 | 126 | 66-129 | 18 | 25 |
| Carbon Disulfide | N.D. | 0.50 | ppb(v) | 89 | 98 | 56-106 | 10 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 117 | 127 | 70-130 | 8 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 99 | 104 | 70-130 | 5 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 109 | 122 | 71-129 | 11 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 103 | 114 | 70-130 | 10 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 93 | 102 | 58-129 | 9 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 112 | 119 | 68-138 | 6 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 107 | 113 | 71-135 | 6 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 113 | 118 | 71-143 | 4 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 105 | 110 | 68-136 | 5 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 108 | 113 | 67-140 | 4 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 111 | 121 | 72-140 | 9 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 104 | 116 | 66-126 | 11 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 110 | 122 | 70-130 | 10 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 99 | 109 | 64-117 | 10 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 103 | 117 | 69-120 | 12 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 103 | 114 | 67-121 | 11 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 90 | 102 | 70-130 | 12 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 105 | 118 | 67-134 | 12 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 107 | 114 | 67-134 | 6 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 107 | 117 | 70-130 | 9 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 107 | 118 | 69-135 | 10 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 98 | 109 | 67-115 | 10 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 97 | 107 | 66-120 | 11 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 96 | 109 | 60-125 | 12 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 98 | 110 | 62-120 | 12 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 124 | 140 | 54-166 | 12 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 106 | 123 | 64-124 | 15 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 112 | 132 | 61-145 | 16 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 98 | 110 | 70-130 | 11 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1310347
Reported: 05/29/12 at 04:26 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 112 | 121 | 70-139 | 8 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 103 | 115 | 67-145 | 10 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 94 | 100 | 70-130 | 6 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 104 | 112 | 70-130 | 7 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 111 | 123 | 70-130 | 10 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 101 | 107 | 68-128 | 5 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 106 | 115 | 70-130 | 8 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 117 | 126 | 70-130 | 8 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 104 | 116 | 69-138 | 10 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 113 | 125 | 71-142 | 10 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 102 | 116 | 70-130 | 13 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 118 | 128 | 70-130 | 8 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 114 | 125 | 70-130 | 9 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Summa Canister Field Test Data/Chain of Custody

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Acct. # 6556 Group # 1310347 For Lancaster Laboratories use only Sample # 665955-57 Bottle Order (SCR) # 121996

Instructions on reverse side correspond with circled numbers.

## (1) Client Information

Client: The Johnson Co. Account #: 6556

Project Name/#: Avery Denwison - Flowery Branch GA

Project Manager: Glen Kirkpatrick P.O. #: 1-0145-4

Sampler: TRO Quote #:

Name of state where samples were collected: GA

## (3) Turnaround Time Requested (TAT) (circle one)

(Standard) Rush (specify) _____

## (4) Data Package Required?

(Yes) No

## (5) EDD Required?

(Yes) No

| | Temperature (F) | | Pressure ("Hg) | |
|---|---|---|---|---|
| | Start | Stop | Start | Stop |
| Ambient | | | | |
| Maximum | | | | |
| Minimum | | | | |

## (6) Analyses Requested

EPA TO - 15 | ☐ MTBE | ☐ BTEX | EPA 18 | EPA 25 (select range below) | Helium as tracer | O2/CO2 | Library Search

## (2) Sample Identification

| Sample Identification | Sample Collection Date | Time Start (24 hr clock) | Time Stop (24 hr clock) | Canister Pressure in Field ("Hg) (Start) | Canister Pressure in Field ("Hg) (Stop) | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Flow Reg. ID | Can ID | Can Size (L) | Controller Flowrate (ml/min) | EPA TO - 15 | MTBE | BTEX | EPA 18 | EPA 25 | Helium as tracer | O2/CO2 | Library Search |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MP-9 | 5/17/12 | 12:46 | 12:46 | — | — | 85°F | — | — | 862 | 6 | — | X | | | | | | | |
| MP-11 | ↓ | 12:42 | 12:42 | — | — | 83° | — | — | 135 | 6 | — | X | | | | | | | |
| MP-3 | ↓ | 12:27 | 12:27 | — | — | 76° | — | — | 524 | 6 | — | X | | | | | | | |
| SVE-7 | 5/17/12 | 12:50 | 12:50 | — | — | 88° | — | — | 511 | 6 | — | X | | | | | | | |

## (7) Instructions/QC Requirements & Comments

**EPA 25** (check one)

☐ C1 - C4 ☐ C2 - C10

☐ C1 - C10 ☐ C4 - C10 (GRO)

☐ C2 - C4

| Canisters Shipped by: | Date/Time: | Canisters Received by: | Date/Time | Relinquished by: | Date/Time | Received by: | Date/Time: (8) |
|---|---|---|---|---|---|---|---|
| UPS 1858 | 5-9-12 1650 | [signature] | 5/14/12 15:40 | [signature] | 5/17/12 14:40 | | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Relinquished by: | Date/Time: | Received by: | Date/Time: |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Relinquished by: | Date/Time: | Received by: | Date/Time: 5/21/2012 |

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# Environmental Sample Administration
# Receipt Documentation Log

**Client/Project:** The Johnson Co.

**Date of Receipt:** 5/21/12

**Time of Receipt:** 1005

**Source Code:** 60

**Shipping Container Sealed:** (YES) NO

**Custody Seal Present * :** (YES) NO

* Custody seal was intact unless otherwise noted in the discrepancy section

**Package:** Chilled (Not Chilled)

| Temperature of Shipping Containers | | | | | | | |
|---|---|---|---|---|---|---|---|
| Cooler # | Thermometer ID | Temperature (°C) | Temp Bottle (TB) or Surface Temp (ST) | Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP) | Ice Present? Y/N | Loose (L) Bagged Ice (B) or NA | Comments |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |

**Number of Trip Blanks received NOT listed on chain of custody:** Ø

**Paperwork Discrepancy/Unpacking Problems:**

**Unpacker Signature/Emp#:** 964 **Date/Time:** 5/21/12 1035

Issued by Dept. 6042 Management

2174.06

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# Explanation of Symbols and Abbreviations

*The following defines common symbols and abbreviations used in reporting technical data:*

| | | | |
|---|---|---|---|
| **RL** | Reporting Limit | **BMQL** | Below Minimum Quantitation Level |
| **N.D.** | none detected | **MPN** | Most Probable Number |
| **TNTC** | Too Numerous To Count | **CP Units** | cobalt-chloroplatinate units |
| **IU** | International Units | **NTU** | nephelometric turbidity units |
| **umhos/cm** | micromhos/cm | **ng** | nanogram(s) |
| **C** | degrees Celsius | **F** | degrees Fahrenheit |
| **meq** | milliequivalents | **lb.** | pound(s) |
| **g** | gram(s) | **kg** | kilogram(s) |
| **µg** | microgram(s) | **mg** | milligram(s) |
| **mL** | milliliter(s) | **L** | liter(s) |
| **m3** | cubic meter(s) | **µL** | microliter(s) |
| | | **pg/L** | picogram/liter |

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

*Data Qualifiers:*

**C –** result confirmed by reanalysis.

**J -** estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

*U.S. EPA CLP Data Qualifiers:*

| **Organic Qualifiers** | | **Inorganic Qualifiers** | |
|---|---|---|---|
| **A** | TIC is a possible aldol-condensation product | **B** | Value is <CRDL, but ≥IDL |
| **B** | Analyte was also detected in the blank | **E** | Estimated due to interference |
| **C** | Pesticide result confirmed by GC/MS | **M** | Duplicate injection precision not met |
| **D** | Compound quantitated on a diluted sample | **N** | Spike sample not within control limits |
| **E** | Concentration exceeds the calibration range of the instrument | **S** | Method of standard additions (MSA) used for calculation |
| **N** | Presumptive evidence of a compound (TICs only) | **U** | Compound was not detected |
| **P** | Concentration difference between primary and confirmation columns >25% | **W** | Post digestion spike out of control limits |
| **U** | Compound was not detected | ***** | Duplicate analysis not within control limits |
| **X,Y,Z** | Defined in case narrative | **+** | Correlation coefficient for MSA <0.995 |

**Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.**

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

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# Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

June 14, 2012

Project: Avery Dennison / Flowery Branch, GA

Submittal Date: 06/05/2012
Group Number: 1313430
PO Number: 1-0145-4
State of Sample Origin: GA

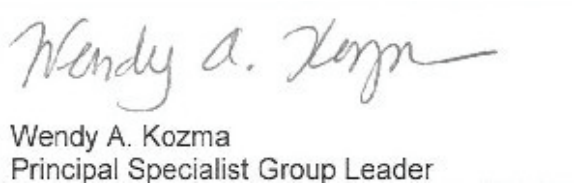
| Client Sample Description | Lancaster Labs (LLI) # |
|---|---|
| SVE 6 Grab Air | 6676435 |
| VW 6 Grab Air | 6676436 |
| MP 07 Grab Air | 6676437 |
| SVE 4 Grab Air | 6676438 |
| MP 08 Grab Air | 6676439 |
| MW 65S Grab Air | 6676440 |
| MW 64 Grab Air | 6676441 |
| MP 03 Grab Air | 6676442 |
| MP 04 Grab Air | 6676443 |
| SVE 5 Grab Air | 6676444 |
| SVE 3 Grab Air | 6676445 |
| MP 05 Grab Air | 6676446 |
| SVE 2 Grab Air | 6676447 |
| SVE 7 Grab Air | 6676448 |
| MP 11 Grab Air | 6676449 |
| MP 09 Grab Air | 6676450 |
| SVE 1 Grab Air | 6676451 |
| MP 06 Grab Air | 6676452 |
| Undiluted Grab Air | 6676453 |
| VW 3 Grab Air | 6676454 |
| MP 02 Grab Air | 6676455 |
| MP 10 Grab Air | 6676456 |
| VW 5 Grab Air | 6676457 |

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

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ELECTRONIC COPY TO The Johnson Company, Inc. Attn: Todd Hall

Respectfully Submitted,



Wendy A. Kozma
Principal Specialist Group Leader

(717) 556-7257

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2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

# Analysis Report



**Sample Description:** SVE 6 Grab Air
Summa #110
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6676435**
**LLI Group # 1313430**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/31/2012 13:59 by CP

Submitted: 06/05/2012 09:35
Reported: 06/14/2012 20:07

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 10 | J | 5.0 | 24 | J | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 5.0 | N.D. | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 5.0 | N.D. | | 16 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 16 | | 2.0 | 66 | | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 190 | | 2.0 | 730 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | 170 | | 2.0 | 600 | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | 2.2 | J | 2.0 | 7.6 | J | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | 450 | | 2.0 | 1,300 | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | 2.6 | J | 2.0 | 18 | J | 14 | 10 |

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# Analysis Report



**Sample Description:** SVE 6 Grab Air
Summa #110
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6676435**
**LLI Group # 1313430**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/31/2012 13:59 by CP

Submitted: 06/05/2012 09:35
Reported: 06/14/2012 20:07

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 2.7 | J | 2.0 | 10 | J | 7.5 | 10 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 1,200 | | 40 | 6,500 | | 220 | 200 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 17 | | 2.0 | 97 | | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 2.0 | N.D. | | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1216030AB | 06/11/2012 06:09 | Michael A Ziegler | 10 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1216030AB | 06/11/2012 11:07 | Michael A Ziegler | 200 |

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# Analysis Report



**Sample Description:** VW 6 Grab Air
Summa #886
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6676436**
**LLI Group # 1313430**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/31/2012 13:47 by CP

Submitted: 06/05/2012 09:35
Reported: 06/14/2012 20:07

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 28 | | 5.0 | 66 | | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | 9.3 | J | 5.0 | 27 | J | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 5.0 | N.D. | | 16 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 44 | | 2.0 | 180 | | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 850 | | 40 | 3,400 | | 160 | 200 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | 2.3 | J | 2.0 | 8.1 | J | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | 2.4 | J | 2.0 | 16 | J | 14 | 10 |

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# Analysis Report



**Sample Description: VW 6 Grab Air**
**Summa #886**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6676436**
**LLI Group # 1313430**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/31/2012 13:47 by CP

Submitted: 06/05/2012 09:35
Reported: 06/14/2012 20:07

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | Toluene | 108-88-3 | N.D. | 2.0 | N.D. | 7.5 | 10 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 12 | 2.0 | 64 | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 19 | 2.0 | 110 | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 2.0 | N.D. | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 2.0 | N.D. | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 2.0 | N.D. | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 2.0 | N.D. | 8.7 | 10 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1216030AB | 06/11/2012 06:52 | Michael A Ziegler | 10 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1216030AB | 06/11/2012 11:52 | Michael A Ziegler | 200 |

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# Analysis Report



**Sample Description:** MP 07 Grab Air
Summa #838
Avery Dennison / Flowery Branch, GA

**LLI Sample #** AQ 6676437
**LLI Group #** 1313430
**Account #** 06556

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/31/2012 14:10 by CP

Submitted: 06/05/2012 09:35
Reported: 06/14/2012 20:07

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 7.2 | J | 5.0 | 17 | J | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 5.0 | N.D. | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 5.0 | N.D. | | 16 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 2.3 | J | 2.0 | 8.2 | J | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 17 | | 2.0 | 70 | | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 1,200 | | 4.0 | 4,600 | | 16 | 20 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | 12 | | 2.0 | 41 | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | 4.4 | J | 2.0 | 15 | J | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | 33 | | 2.0 | 99 | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |

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# Analysis Report



**Sample Description: MP 07 Grab Air**
**Summa #838**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6676437**
**LLI Group # 1313430**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/31/2012 14:10 by CP

Submitted: 06/05/2012 09:35
Reported: 06/14/2012 20:07

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 130 | | 2.0 | 490 | | 7.5 | 10 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 400 | | 2.0 | 2,200 | | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 21 | | 2.0 | 120 | | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 2.0 | N.D. | | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | 5.4 | J | 2.0 | 24 | J | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | 2.5 | J | 2.0 | 11 | J | 8.7 | 10 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1216030AB | 06/10/2012 20:13 | Jeffrey B Smith | 10 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1216030AB | 06/11/2012 09:05 | Jeffrey B Smith | 20 |

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# Analysis Report



**Sample Description:** SVE 4 Grab Air
Summa #876
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6676438**
**LLI Group # 1313430**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/31/2012 14:50 by CP

Submitted: 06/05/2012 09:35
Reported: 06/14/2012 20:07

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 4.8 | | 0.50 | 11 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | N.D. | | 0.20 | N.D. | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 1.1 | J | 0.50 | 3.3 | J | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 0.66 | J | 0.50 | 2.1 | J | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 0.82 | J | 0.20 | 2.9 | J | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | 0.46 | J | 0.20 | 2.2 | J | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 0.20 | N.D. | | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 0.55 | J | 0.20 | 2.7 | J | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | 0.22 | J | 0.20 | 1.3 | J | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.55 | J | 0.20 | 2.7 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 0.74 | J | 0.20 | 3.0 | J | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | 0.22 | J | 0.20 | 1.6 | J | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 0.20 | N.D. | | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.46 | J | 0.20 | 1.4 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |

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# Analysis Report



**Sample Description:** SVE 4 Grab Air
Summa #876
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6676438**
**LLI Group # 1313430**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/31/2012 14:50 by CP

Submitted: 06/05/2012 09:35
Reported: 06/14/2012 20:07

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | N.D. | | 0.20 | N.D. | | 0.75 | 1 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 0.99 | J | 0.20 | 5.4 | J | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 5.2 | | 0.20 | 29 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1216030AB | 06/10/2012 20:55 | Jeffrey B Smith | 1 |

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# Analysis Report



**Sample Description:** MP 08 Grab Air
Summa #1110
Avery Dennison / Flowery Branch, GA

**LLI Sample #** AQ 6676439
**LLI Group #** 1313430
**Account #** 06556

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/31/2012 14:24 by CP

Submitted: 06/05/2012 09:35
Reported: 06/14/2012 20:07

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 8.3 | | 0.50 | 20 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | 0.22 | J | 0.20 | 0.71 | J | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 1.4 | J | 0.50 | 4.0 | J | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 0.50 | N.D. | | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 1.5 | | 0.20 | 5.4 | | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 0.20 | N.D. | | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 2.9 | | 0.20 | 14 | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.59 | J | 0.20 | 2.9 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 2.9 | | 0.20 | 12 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 0.36 | J | 0.20 | 1.5 | J | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 720 | | 4.0 | 2,800 | | 16 | 20 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | 0.45 | J | 0.20 | 3.1 | J | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | 0.39 | J | 0.20 | 1.4 | J | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 1.8 | | 0.20 | 6.2 | | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 1.9 | | 0.20 | 5.5 | | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 0.20 | J | 0.20 | 1.4 | J | 1.4 | 1 |

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# Analysis Report



**Sample Description: MP 08 Grab Air**
**Summa #1110**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6676439**
**LLI Group # 1313430**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/31/2012 14:24 by CP

Submitted: 06/05/2012 09:35
Reported: 06/14/2012 20:07

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 2.0 | | 0.20 | 7.6 | | 0.75 | 1 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 180 | | 4.0 | 960 | | 22 | 20 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | 0.47 | J | 0.20 | 2.5 | J | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 16 | | 0.20 | 91 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 0.24 | J | 0.20 | 1.0 | J | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1216030AB | 06/10/2012 21:35 | Jeffrey B Smith | 1 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1216030AB | 06/11/2012 09:46 | Jeffrey B Smith | 20 |

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# Analysis Report



**Sample Description:** MW 65S Grab Air
Summa #1117
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6676440**
**LLI Group # 1313430**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/31/2012 14:30 by CP

Submitted: 06/05/2012 09:35
Reported: 06/14/2012 20:07

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 1,500 | J | 500 | 3,600 | J | 1,200 | 1000 |
| 05298 | Benzene | 71-43-2 | N.D. | | 200 | N.D. | | 640 | 1000 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 200 | N.D. | | 2,100 | 1000 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 200 | N.D. | | 780 | 1000 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 500 | N.D. | | 1,100 | 1000 |
| 05298 | 2-Butanone | 78-93-3 | 740 | J | 500 | 2,200 | J | 1,500 | 1000 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 500 | N.D. | | 1,600 | 1000 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 200 | N.D. | | 710 | 1000 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 200 | N.D. | | 530 | 1000 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 200 | N.D. | | 410 | 1000 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 200 | N.D. | | 630 | 1000 |
| 05298 | Cumene | 98-82-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 200 | N.D. | | 1,700 | 1000 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 200 | N.D. | | 1,500 | 1000 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 200 | N.D. | | 990 | 1000 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 360 | J | 200 | 1,400 | J | 810 | 1000 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 200 | N.D. | | 810 | 1000 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 420,000 | | 10,000 | 1,600,000 | | 40,000 | 50000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 200 | N.D. | | 840 | 1000 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 200 | N.D. | | 870 | 1000 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 500 | N.D. | | 3,800 | 1000 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Heptane | 142-82-5 | N.D. | | 200 | N.D. | | 820 | 1000 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 200 | N.D. | | 1,900 | 1000 |
| 05298 | Hexane | 110-54-3 | N.D. | | 200 | N.D. | | 700 | 1000 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 200 | N.D. | | 720 | 1000 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Methylene Chloride | 75-09-2 | 240 | J | 200 | 840 | J | 690 | 1000 |
| 05298 | Octane | 111-65-9 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Pentane | 109-66-0 | N.D. | | 200 | N.D. | | 590 | 1000 |
| 05298 | Styrene | 100-42-5 | N.D. | | 200 | N.D. | | 850 | 1000 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 200 | N.D. | | 1,400 | 1000 |

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# Analysis Report



**Sample Description: MW 65S Grab Air**
**Summa #1117**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6676440**
**LLI Group # 1313430**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/31/2012 14:30 by CP

Submitted: 06/05/2012 09:35
Reported: 06/14/2012 20:07

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | Toluene | 108-88-3 | N.D. | 200 | N.D. | 750 | 1000 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 29,000 | 200 | 160,000 | 1,100 | 1000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 200 | N.D. | 1,200 | 1000 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 200 | N.D. | 980 | 1000 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 200 | N.D. | 980 | 1000 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 200 | N.D. | 510 | 1000 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 200 | N.D. | 870 | 1000 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 200 | N.D. | 870 | 1000 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1216030AB | 06/10/2012 22:18 | Jeffrey B Smith | 1000 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1216030AB | 06/11/2012 13:33 | Michael A Ziegler | 50000 |

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# Analysis Report



**Sample Description:** MW 64 Grab Air
Summa #899
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6676441**
**LLI Group # 1313430**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/31/2012 14:15 by CP

Submitted: 06/05/2012 09:35
Reported: 06/14/2012 20:07

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 870 | J | 500 | 2,100 | J | 1,200 | 1000 |
| 05298 | Benzene | 71-43-2 | N.D. | | 200 | N.D. | | 640 | 1000 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 200 | N.D. | | 2,100 | 1000 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 200 | N.D. | | 780 | 1000 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 500 | N.D. | | 1,100 | 1000 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 500 | N.D. | | 1,500 | 1000 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 500 | N.D. | | 1,600 | 1000 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 200 | N.D. | | 710 | 1000 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 200 | N.D. | | 530 | 1000 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 200 | N.D. | | 410 | 1000 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 200 | N.D. | | 630 | 1000 |
| 05298 | Cumene | 98-82-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 200 | N.D. | | 1,700 | 1000 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 200 | N.D. | | 1,500 | 1000 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 200 | N.D. | | 990 | 1000 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 8,600 | | 200 | 35,000 | | 810 | 1000 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 200 | N.D. | | 810 | 1000 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 320,000 | | 10,000 | 1,300,000 | | 40,000 | 50000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 200 | N.D. | | 840 | 1000 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 200 | N.D. | | 870 | 1000 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 500 | N.D. | | 3,800 | 1000 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Heptane | 142-82-5 | N.D. | | 200 | N.D. | | 820 | 1000 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 200 | N.D. | | 1,900 | 1000 |
| 05298 | Hexane | 110-54-3 | N.D. | | 200 | N.D. | | 700 | 1000 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 200 | N.D. | | 720 | 1000 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Methylene Chloride | 75-09-2 | 640 | J | 200 | 2,200 | J | 690 | 1000 |
| 05298 | Octane | 111-65-9 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Pentane | 109-66-0 | N.D. | | 200 | N.D. | | 590 | 1000 |
| 05298 | Styrene | 100-42-5 | N.D. | | 200 | N.D. | | 850 | 1000 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Tetrachloroethene | 127-18-4 | 260 | J | 200 | 1,700 | J | 1,400 | 1000 |

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# Analysis Report



**Sample Description: MW 64 Grab Air**
**Summa #899**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6676441**
**LLI Group # 1313430**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/31/2012 14:15 by CP

Submitted: 06/05/2012 09:35
Reported: 06/14/2012 20:07

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 740 | J | 200 | 2,800 | J | 750 | 1000 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 140,000 | | 10,000 | 750,000 | | 55,000 | 50000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 200 | N.D. | | 1,100 | 1000 |
| 05298 | Trichloroethene | 79-01-6 | 400 | J | 200 | 2,200 | J | 1,100 | 1000 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 200 | N.D. | | 1,100 | 1000 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 200 | N.D. | | 510 | 1000 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 200 | N.D. | | 870 | 1000 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 200 | N.D. | | 870 | 1000 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1216030AB | 06/10/2012 22:57 | Jeffrey B Smith | 1000 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1216030AB | 06/11/2012 14:15 | Michael A Ziegler | 50000 |

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# Analysis Report



**Sample Description:** MP 03 Grab Air
Summa #504
Avery Dennison / Flowery Branch, GA

**LLI Sample #** AQ 6676442
**LLI Group #** 1313430
**Account #** 06556

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/31/2012 13:41 by CP

Submitted: 06/05/2012 09:35
Reported: 06/14/2012 20:07

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | N.D. | | 5.0 | N.D. | | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 5.0 | N.D. | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 5.0 | N.D. | | 16 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 2.4 | J | 2.0 | 8.7 | J | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 15 | | 2.0 | 61 | | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 340 | | 2.0 | 1,400 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | 42 | | 2.0 | 150 | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 2.0 | N.D. | | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | 120 | | 2.0 | 340 | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | 2.5 | J | 2.0 | 17 | J | 14 | 10 |

**Sample Description: MP 03 Grab Air**
**Summa #504**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6676442**
**LLI Group # 1313430**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/31/2012 13:41 by CP

Submitted: 06/05/2012 09:35
Reported: 06/14/2012 20:07

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 30 | 2.0 | 110 | 7.5 | 10 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 1,100 | 4.0 | 6,100 | 22 | 20 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 16 | 2.0 | 91 | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 2.0 | N.D. | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 2.0 | N.D. | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 2.0 | N.D. | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 2.0 | N.D. | 8.7 | 10 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1216030AB | 06/10/2012 23:35 | Jeffrey B Smith | 10 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1216030AB | 06/11/2012 10:31 | Jeffrey B Smith | 20 |

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# Analysis Report



**Sample Description:** MP 04 Grab Air
Summa #854
Avery Dennison / Flowery Branch, GA

**LLI Sample #** AQ 6676443
**LLI Group #** 1313430
**Account #** 06556

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/31/2012 13:36 by CP

Submitted: 06/05/2012 09:35
Reported: 06/14/2012 20:07

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 7.0 | | 0.50 | 17 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | N.D. | | 0.20 | N.D. | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 1.9 | J | 0.50 | 5.6 | J | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 0.59 | J | 0.50 | 1.8 | J | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 1.4 | | 0.20 | 4.9 | | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 0.34 | J | 0.20 | 0.70 | J | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 0.77 | J | 0.20 | 3.8 | J | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.60 | J | 0.20 | 3.0 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 0.46 | J | 0.20 | 1.9 | J | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 2.2 | | 0.20 | 8.8 | | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | 0.63 | J | 0.20 | 4.4 | J | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 0.20 | N.D. | | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 1.9 | | 0.20 | 5.5 | | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 0.37 | J | 0.20 | 2.5 | J | 1.4 | 1 |

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# Analysis Report



**Sample Description: MP 04 Grab Air**
**Summa #854**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6676443**
**LLI Group # 1313430**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/31/2012 13:36 by CP

Submitted: 06/05/2012 09:35
Reported: 06/14/2012 20:07

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 0.28 | J | 0.20 | 1.1 | J | 0.75 | 1 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 0.23 | J | 0.20 | 1.3 | J | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 16 | | 0.20 | 90 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 0.21 | J | 0.20 | 0.90 | J | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1216030AB | 06/11/2012 00:12 | Jeffrey B Smith | 1 |

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# Analysis Report



**Sample Description:** SVE 5 Grab Air
Summa #1084
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6676444**
**LLI Group # 1313430**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/31/2012 13:54 by CP

Submitted: 06/05/2012 09:35
Reported: 06/14/2012 20:07

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 5.2 | | 0.50 | 12 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | 0.28 | J | 0.20 | 0.91 | J | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 0.83 | J | 0.50 | 2.4 | J | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 0.64 | J | 0.50 | 2.0 | J | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 3.3 | | 0.20 | 12 | | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 0.20 | N.D. | | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 0.81 | J | 0.20 | 4.0 | J | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | 0.27 | J | 0.20 | 1.6 | J | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | 0.27 | J | 0.20 | 1.6 | J | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | 0.32 | J | 0.20 | 1.9 | J | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.61 | J | 0.20 | 3.0 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 14 | | 0.20 | 58 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 0.34 | J | 0.20 | 1.4 | J | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 560 | | 4.0 | 2,200 | | 16 | 20 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 0.57 | J | 0.20 | 2.5 | J | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | 0.59 | J | 0.20 | 4.1 | J | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | 9.9 | | 0.20 | 35 | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 0.28 | J | 0.20 | 0.98 | J | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 27 | | 0.20 | 80 | | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 1.2 | | 0.20 | 7.8 | | 1.4 | 1 |

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# Analysis Report



**Sample Description:** SVE 5 Grab Air
Summa #1084
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6676444**
**LLI Group # 1313430**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/31/2012 13:54 by CP

Submitted: 06/05/2012 09:35
Reported: 06/14/2012 20:07

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 10 | | 0.20 | 39 | | 0.75 | 1 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 390 | | 4.0 | 2,100 | | 22 | 20 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | 0.34 | J | 0.20 | 1.8 | J | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 12 | | 0.20 | 67 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 0.34 | J | 0.20 | 1.7 | J | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | 0.21 | J | 0.20 | 1.0 | J | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | 0.37 | J | 0.20 | 0.94 | J | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 1.4 | | 0.20 | 5.9 | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 0.82 | J | 0.20 | 3.6 | J | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1216030AB | 06/11/2012 00:52 | Jeffrey B Smith | 1 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1216030AB | 06/11/2012 11:11 | Jeffrey B Smith | 20 |

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# Analysis Report



**Sample Description:** SVE 3 Grab Air
Summa #877
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6676445**
**LLI Group # 1313430**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/31/2012 13:46 by CP

Submitted: 06/05/2012 09:35
Reported: 06/14/2012 20:07

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 32 | | 5.0 | 76 | | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | 6.7 | J | 5.0 | 20 | J | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 5.0 | N.D. | | 16 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 26 | | 2.0 | 100 | | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 130 | | 2.0 | 530 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 2.0 | N.D. | | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |

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# Analysis Report



**Sample Description: SVE 3 Grab Air**
**Summa #877**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6676445**
**LLI Group # 1313430**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/31/2012 13:46 by CP

Submitted: 06/05/2012 09:35
Reported: 06/14/2012 20:07

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 5.4 | J | 2.0 | 20 | J | 7.5 | 10 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 39 | | 2.0 | 210 | | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 5.4 | J | 2.0 | 31 | J | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 2.0 | N.D. | | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1216030AB | 06/11/2012 01:32 | Jeffrey B Smith | 10 |

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# Analysis Report



**Sample Description:** MP 05 Grab Air
Summa #818
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6676446**
**LLI Group # 1313430**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/31/2012 13:30 by CP

Submitted: 06/05/2012 09:35
Reported: 06/14/2012 20:07

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 6.1 | | 0.50 | 15 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | N.D. | | 0.20 | N.D. | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 1.7 | J | 0.50 | 5.0 | J | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 0.77 | J | 0.50 | 2.4 | J | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 1.2 | | 0.20 | 4.4 | | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 0.20 | N.D. | | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 1.5 | | 0.20 | 7.4 | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.60 | J | 0.20 | 2.9 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 31 | | 0.20 | 120 | | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 0.20 | N.D. | | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.63 | J | 0.20 | 1.9 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 0.31 | J | 0.20 | 2.1 | J | 1.4 | 1 |

**Sample Description: MP 05 Grab Air**
**Summa #818**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6676446**
**LLI Group # 1313430**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/31/2012 13:30 by CP

Submitted: 06/05/2012 09:35
Reported: 06/14/2012 20:07

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 0.43 | J | 0.20 | 1.6 | J | 0.75 | 1 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 0.21 | J | 0.20 | 1.1 | J | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 13 | | 0.20 | 72 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 0.21 | J | 0.20 | 1.0 | J | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 0.27 | J | 0.20 | 1.2 | J | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1216030AB | 06/11/2012 11:48 | Jeffrey B Smith | 1 |

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# Analysis Report



**Sample Description:** SVE 2 Grab Air
Summa #328
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6676447**
**LLI Group # 1313430**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/31/2012 14:41 by CP

Submitted: 06/05/2012 09:35
Reported: 06/14/2012 20:07

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 600 | | 50 | 1,400 | | 120 | 100 |
| 05298 | Benzene | 71-43-2 | N.D. | | 20 | N.D. | | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 50 | N.D. | | 110 | 100 |
| 05298 | 2-Butanone | 78-93-3 | 50 | J | 50 | 150 | J | 150 | 100 |
| 05298 | Carbon Disulfide | 75-15-0 | 190 | | 50 | 590 | | 160 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 140 | | 20 | 510 | | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 20 | N.D. | | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 20 | N.D. | | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 20 | N.D. | | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 170 | | 20 | 710 | | 81 | 100 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 20 | N.D. | | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 3,600 | | 20 | 14,000 | | 79 | 100 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | 35 | J | 20 | 150 | J | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | N.D. | | 20 | N.D. | | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | 2,300 | | 20 | 8,000 | | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 130 | | 20 | 450 | | 69 | 100 |
| 05298 | Octane | 111-65-9 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Pentane | 109-66-0 | 6,600 | | 20 | 19,000 | | 59 | 100 |
| 05298 | Styrene | 100-42-5 | 130 | | 20 | 560 | | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 20 | N.D. | | 140 | 100 |

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# Analysis Report



**Sample Description:** SVE 2 Grab Air
Summa #328
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6676447**
**LLI Group # 1313430**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/31/2012 14:41 by CP

Submitted: 06/05/2012 09:35
Reported: 06/14/2012 20:07

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 2,200 | | 20 | 8,300 | | 75 | 100 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 1,700 | | 20 | 9,000 | | 110 | 100 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 20 | N.D. | | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | 59 | J | 20 | 260 | J | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | 28 | J | 20 | 120 | J | 87 | 100 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1216030AB | 06/11/2012 02:47 | Jeffrey B Smith | 100 |

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# Analysis Report



**Sample Description:** SVE 7 Grab Air
Summa #293
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6676448**
**LLI Group # 1313430**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/31/2012 15:17 by CP

Submitted: 06/05/2012 09:35
Reported: 06/14/2012 20:07

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 1,000 | | 100 | 2,400 | | 240 | 200 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | 840 | | 100 | 2,500 | | 290 | 200 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 5.0 | N.D. | | 16 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | 11 | | 2.0 | 51 | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | 5.8 | J | 2.0 | 29 | J | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 570 | | 40 | 2,300 | | 160 | 200 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | 5.9 | J | 5.0 | 24 | J | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 2.0 | N.D. | | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |

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# Analysis Report



**Sample Description: SVE 7 Grab Air**
**Summa #293**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6676448**
**LLI Group # 1313430**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/31/2012 15:17 by CP

Submitted: 06/05/2012 09:35
Reported: 06/14/2012 20:07

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | Toluene | 108-88-3 | N.D. | 2.0 | N.D. | 7.5 | 10 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 770 | 40 | 4,200 | 220 | 200 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 2.0 | N.D. | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 2.0 | N.D. | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 2.0 | N.D. | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 2.0 | N.D. | 8.7 | 10 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1216030AB | 06/11/2012 03:27 | Jeffrey B Smith | 10 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1216030AB | 06/11/2012 14:53 | Michael A Ziegler | 200 |

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# Analysis Report



**Sample Description:** MP 11 Grab Air
Summa #860
Avery Dennison / Flowery Branch, GA

**LLI Sample #** AQ 6676449
**LLI Group #** 1313430
**Account #** 06556

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/31/2012 15:12 by CP

Submitted: 06/05/2012 09:35
Reported: 06/14/2012 20:07

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 460 | | 5.0 | 1,100 | | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | 390 | | 5.0 | 1,100 | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | 6.3 | J | 5.0 | 20 | J | 16 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 5.7 | J | 2.0 | 23 | J | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 1,600 | | 5.0 | 6,200 | | 20 | 25 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | 24 | | 5.0 | 99 | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 2.0 | N.D. | | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |

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# Analysis Report



**Sample Description: MP 11 Grab Air**
**Summa #860**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6676449**
**LLI Group # 1313430**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/31/2012 15:12 by CP

Submitted: 06/05/2012 09:35
Reported: 06/14/2012 20:07

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | N.D. | | 2.0 | N.D. | | 7.5 | 10 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 650 | | 2.0 | 3,600 | | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 2.0 | N.D. | | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | 2.9 | J | 2.0 | 13 | J | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1216030AB | 06/11/2012 04:04 | Jeffrey B Smith | 10 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1216030AB | 06/11/2012 12:29 | Jeffrey B Smith | 25 |

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# Analysis Report



**Sample Description:** MP 09 Grab Air
Summa #881
Avery Dennison / Flowery Branch, GA

**LLI Sample #** AQ 6676450
**LLI Group #** 1313430
**Account #** 06556

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/31/2012 15:22 by CP

Submitted: 06/05/2012 09:35
Reported: 06/14/2012 20:07

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 170 | | 5.0 | 400 | | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 0.20 | N.D. | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 71 | | 0.50 | 210 | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 2.4 | | 0.50 | 7.5 | | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 0.33 | J | 0.20 | 1.2 | J | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | 53 | | 2.0 | 260 | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 0.20 | N.D. | | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 0.84 | J | 0.20 | 4.1 | J | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.54 | J | 0.20 | 2.7 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 9.3 | | 0.20 | 37 | | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 0.21 | J | 0.20 | 0.92 | J | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | 0.25 | J | 0.20 | 0.87 | J | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | 7.1 | | 0.50 | 29 | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 0.20 | J | 0.20 | 0.71 | J | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 2.4 | | 0.20 | 7.2 | | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |

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# Analysis Report



**Sample Description: MP 09 Grab Air**
**Summa #881**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6676450**
**LLI Group # 1313430**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/31/2012 15:22 by CP

Submitted: 06/05/2012 09:35
Reported: 06/14/2012 20:07

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 0.74 | J | 0.20 | 2.8 | J | 0.75 | 1 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 6.0 | | 0.20 | 33 | | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 0.42 | J | 0.20 | 2.4 | J | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 0.25 | J | 0.20 | 1.3 | J | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 0.57 | J | 0.20 | 2.5 | J | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 0.27 | J | 0.20 | 1.2 | J | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1216030AC | 06/11/2012 22:04 | Jeffrey B Smith | 1 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1216030AC | 06/12/2012 10:27 | Jeffrey B Smith | 10 |

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# Analysis Report



**Sample Description:** SVE 1 Grab Air
Summa #526
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6676451**
**LLI Group # 1313430**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/31/2012 14:36 by CP

Submitted: 06/05/2012 09:35
Reported: 06/14/2012 20:07

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 610 | J | 500 | 1,500 | J | 1,200 | 1000 |
| 05298 | Benzene | 71-43-2 | N.D. | | 200 | N.D. | | 640 | 1000 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 200 | N.D. | | 2,100 | 1000 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 200 | N.D. | | 780 | 1000 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 500 | N.D. | | 1,100 | 1000 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 500 | N.D. | | 1,500 | 1000 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 500 | N.D. | | 1,600 | 1000 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 200 | N.D. | | 710 | 1000 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 200 | N.D. | | 530 | 1000 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 200 | N.D. | | 410 | 1000 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 200 | N.D. | | 630 | 1000 |
| 05298 | Cumene | 98-82-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 200 | N.D. | | 1,700 | 1000 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 200 | N.D. | | 1,500 | 1000 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 200 | N.D. | | 990 | 1000 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | N.D. | | 200 | N.D. | | 810 | 1000 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 200 | N.D. | | 810 | 1000 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 9,100 | | 200 | 36,000 | | 790 | 1000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 200 | N.D. | | 840 | 1000 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 200 | N.D. | | 870 | 1000 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 500 | N.D. | | 3,800 | 1000 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Heptane | 142-82-5 | N.D. | | 200 | N.D. | | 820 | 1000 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 200 | N.D. | | 1,900 | 1000 |
| 05298 | Hexane | 110-54-3 | 3,300 | | 200 | 12,000 | | 700 | 1000 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 200 | N.D. | | 720 | 1000 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Methylene Chloride | 75-09-2 | 280 | J | 200 | 990 | J | 690 | 1000 |
| 05298 | Octane | 111-65-9 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Pentane | 109-66-0 | 11,000 | | 200 | 33,000 | | 590 | 1000 |
| 05298 | Styrene | 100-42-5 | N.D. | | 200 | N.D. | | 850 | 1000 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 200 | N.D. | | 1,400 | 1000 |

**Sample Description:** SVE 1 Grab Air
Summa #526
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6676451**
**LLI Group # 1313430**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/31/2012 14:36 by CP

Submitted: 06/05/2012 09:35
Reported: 06/14/2012 20:07

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 8,200 | | 200 | 31,000 | | 750 | 1000 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 110,000 | | 500 | 620,000 | | 2,700 | 2500 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 200 | N.D. | | 1,100 | 1000 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 200 | N.D. | | 1,100 | 1000 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 200 | N.D. | | 1,100 | 1000 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 200 | N.D. | | 510 | 1000 |
| 05298 | m/p-Xylene | 179601-23-1 | 220 | J | 200 | 960 | J | 870 | 1000 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 200 | N.D. | | 870 | 1000 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1216030AC | 06/11/2012 22:52 | Jeffrey B Smith | 1000 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1216030AC | 06/12/2012 11:08 | Jeffrey B Smith | 2500 |

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# Analysis Report



**Sample Description:** MP 06 Grab Air
Summa #95
Avery Dennison / Flowery Branch, GA

**LLI Sample #** AQ 6676452
**LLI Group #** 1313430
**Account #** 06556

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/31/2012 14:04 by CP

Submitted: 06/05/2012 09:35
Reported: 06/14/2012 20:07

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 7.8 | J | 5.0 | 19 | J | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 5.0 | N.D. | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 5.0 | N.D. | | 16 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 6.0 | J | 2.0 | 24 | J | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 360 | | 2.0 | 1,400 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | 21 | | 2.0 | 73 | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 2.0 | N.D. | | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | 59 | | 2.0 | 170 | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |

**Sample Description:** MP 06 Grab Air
Summa #95
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6676452**
**LLI Group # 1313430**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/31/2012 14:04 by CP

Submitted: 06/05/2012 09:35
Reported: 06/14/2012 20:07

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 23 | 2.0 | 86 | 7.5 | 10 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 74 | 2.0 | 410 | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 23 | 2.0 | 130 | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 2.0 | N.D. | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 2.0 | N.D. | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 2.0 | N.D. | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 2.0 | N.D. | 8.7 | 10 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1216030AC | 06/11/2012 23:28 | Jeffrey B Smith | 10 |

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# Analysis Report



**Sample Description:** Undiluted Grab Air
Summa #812
Avery Dennison / Flowery Branch, GA

**LLI Sample #** AQ 6676453
**LLI Group #** 1313430
**Account #** 06556

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/31/2012 15:28 by CP

Submitted: 06/05/2012 09:35
Reported: 06/14/2012 20:07

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 13 | J | 5.0 | 31 | J | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 5.0 | N.D. | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 5.0 | N.D. | | 16 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 12 | | 2.0 | 48 | | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 560 | | 2.0 | 2,200 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | 47 | | 2.0 | 160 | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | 2.2 | J | 2.0 | 7.6 | J | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | 130 | | 2.0 | 400 | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |

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# Analysis Report



**Sample Description: Undiluted Grab Air**
**Summa #812**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6676453**
**LLI Group # 1313430**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/31/2012 15:28 by CP

Submitted: 06/05/2012 09:35
Reported: 06/14/2012 20:07

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 98 | | 2.0 | 370 | | 7.5 | 10 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 1,000 | | 4.0 | 5,600 | | 22 | 20 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 20 | | 2.0 | 110 | | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 2.0 | N.D. | | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | 3.3 | J | 2.0 | 15 | J | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1216030AC | 06/12/2012 00:05 | Jeffrey B Smith | 10 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1216030AC | 06/12/2012 11:45 | Jeffrey B Smith | 20 |

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# Analysis Report



**Sample Description:** VW 3 Grab Air
Summa #1039
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6676454**
**LLI Group # 1313430**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/31/2012 15:00 by CP

Submitted: 06/05/2012 09:35
Reported: 06/14/2012 20:07

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 7,000 | | 500 | 17,000 | | 1,200 | 1000 |
| 05298 | Benzene | 71-43-2 | N.D. | | 20 | N.D. | | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 50 | N.D. | | 110 | 100 |
| 05298 | 2-Butanone | 78-93-3 | 5,500 | | 50 | 16,000 | | 150 | 100 |
| 05298 | Carbon Disulfide | 75-15-0 | 260 | | 50 | 820 | | 160 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 92 | J | 20 | 330 | J | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 20 | N.D. | | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 20 | N.D. | | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 20 | N.D. | | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | N.D. | | 20 | N.D. | | 81 | 100 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 20 | N.D. | | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 2,100 | | 20 | 8,500 | | 79 | 100 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | 25 | J | 20 | 110 | J | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | N.D. | | 20 | N.D. | | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | 400 | | 20 | 1,400 | | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 130 | | 20 | 440 | | 69 | 100 |
| 05298 | Octane | 111-65-9 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Pentane | 109-66-0 | 990 | | 20 | 2,900 | | 59 | 100 |
| 05298 | Styrene | 100-42-5 | 110 | | 20 | 470 | | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 20 | N.D. | | 140 | 100 |

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# Analysis Report



**Sample Description:** VW 3 Grab Air
Summa #1039
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6676454**
**LLI Group # 1313430**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/31/2012 15:00 by CP

Submitted: 06/05/2012 09:35
Reported: 06/14/2012 20:07

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 74 | J | 20 | 280 | J | 75 | 100 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 1,200 | | 20 | 6,400 | | 110 | 100 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 20 | N.D. | | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | 35 | J | 20 | 150 | J | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 20 | N.D. | | 87 | 100 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1216030AC | 06/12/2012 00:42 | Jeffrey B Smith | 100 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1216030AC | 06/12/2012 12:22 | Jeffrey B Smith | 1000 |

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# Analysis Report



**Sample Description:** MP 02 Grab Air
Summa #15
Avery Dennison / Flowery Branch, GA

**LLI Sample #** AQ 6676455
**LLI Group #** 1313430
**Account #** 06556

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/31/2012 15:06 by CP

Submitted: 06/05/2012 09:35
Reported: 06/14/2012 20:07

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 6,300 | | 50 | 15,000 | | 120 | 100 |
| 05298 | Benzene | 71-43-2 | N.D. | | 20 | N.D. | | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 50 | N.D. | | 110 | 100 |
| 05298 | 2-Butanone | 78-93-3 | 5,600 | | 50 | 16,000 | | 150 | 100 |
| 05298 | Carbon Disulfide | 75-15-0 | 300 | | 50 | 940 | | 160 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 69 | J | 20 | 240 | J | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 20 | N.D. | | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | 29 | J | 20 | 59 | J | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 20 | N.D. | | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 43 | J | 20 | 170 | J | 81 | 100 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 20 | N.D. | | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 2,300 | | 20 | 9,200 | | 79 | 100 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | 29 | J | 20 | 130 | J | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | N.D. | | 20 | N.D. | | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | 120 | | 20 | 410 | | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | 210 | | 50 | 850 | | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 260 | | 20 | 910 | | 69 | 100 |
| 05298 | Octane | 111-65-9 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Pentane | 109-66-0 | 62 | J | 20 | 180 | J | 59 | 100 |
| 05298 | Styrene | 100-42-5 | 110 | | 20 | 480 | | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 20 | N.D. | | 140 | 100 |

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# Analysis Report



**Sample Description: MP 02 Grab Air**
**Summa #15**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6676455**
**LLI Group # 1313430**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/31/2012 15:06 by CP

Submitted: 06/05/2012 09:35
Reported: 06/14/2012 20:07

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 130 | | 20 | 490 | | 75 | 100 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 830 | | 20 | 4,500 | | 110 | 100 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 26 | J | 20 | 130 | J | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 20 | N.D. | | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | 45 | J | 20 | 200 | J | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 20 | N.D. | | 87 | 100 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1216030AC | 06/12/2012 01:23 | Jeffrey B Smith | 100 |

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# Analysis Report



**Sample Description:** MP 10 Grab Air
Summa #66
Avery Dennison / Flowery Branch, GA

**LLI Sample #** AQ 6676456
**LLI Group #** 1313430
**Account #** 06556

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/31/2012 14:56 by CP

Submitted: 06/05/2012 09:35
Reported: 06/14/2012 20:07

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 17 | | 0.50 | 40 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | 0.32 | J | 0.20 | 1.0 | J | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 9.1 | | 0.50 | 27 | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 1.1 | | 0.50 | 3.6 | | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 0.20 | N.D. | | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | 2.1 | | 0.20 | 10 | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 0.20 | N.D. | | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 1.0 | | 0.20 | 5.1 | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | 0.52 | J | 0.20 | 3.1 | J | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | 0.48 | J | 0.20 | 2.9 | J | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | 0.48 | J | 0.20 | 2.9 | J | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.51 | J | 0.20 | 2.5 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 9.2 | | 0.20 | 37 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 16 | | 0.20 | 65 | | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 0.87 | J | 0.20 | 3.8 | J | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | 0.34 | J | 0.20 | 1.7 | J | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | 48,000 | | 400 | 170,000 | | 1,400 | 2000 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | 1.4 | J | 0.50 | 5.5 | J | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 0.47 | J | 0.20 | 1.6 | J | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | 0.41 | J | 0.20 | 1.9 | J | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 140,000 | | 400 | 420,000 | | 1,200 | 2000 |
| 05298 | Styrene | 100-42-5 | 0.22 | J | 0.20 | 0.93 | J | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 0.27 | J | 0.20 | 1.8 | J | 1.4 | 1 |

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# Analysis Report



**Sample Description: MP 10 Grab Air**
**Summa #66**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6676456**
**LLI Group # 1313430**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/31/2012 14:56 by CP

Submitted: 06/05/2012 09:35
Reported: 06/14/2012 20:07

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 0.66 | J | 0.20 | 2.5 | J | 0.75 | 1 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 36 | | 0.20 | 200 | | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 0.56 | J | 0.20 | 3.1 | J | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 0.66 | J | 0.20 | 3.2 | J | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | 0.37 | J | 0.20 | 1.8 | J | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 2.0 | | 0.20 | 8.7 | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 1.2 | | 0.20 | 5.3 | | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1216030AC | 06/12/2012 02:03 | Jeffrey B Smith | 1 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1216030AC | 06/12/2012 12:59 | Jeffrey B Smith | 2000 |

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# Analysis Report



**Sample Description:** VW 5 Grab Air
Summa #20
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6676457**
**LLI Group # 1313430**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/31/2012 14:20 by CP

Submitted: 06/05/2012 09:35
Reported: 06/14/2012 20:07

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 1,600 | J | 500 | 3,900 | J | 1,200 | 1000 |
| 05298 | Benzene | 71-43-2 | N.D. | | 200 | N.D. | | 640 | 1000 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 200 | N.D. | | 2,100 | 1000 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 200 | N.D. | | 780 | 1000 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 500 | N.D. | | 1,100 | 1000 |
| 05298 | 2-Butanone | 78-93-3 | 740 | J | 500 | 2,200 | J | 1,500 | 1000 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 500 | N.D. | | 1,600 | 1000 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 200 | N.D. | | 710 | 1000 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 200 | N.D. | | 530 | 1000 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 200 | N.D. | | 410 | 1000 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 200 | N.D. | | 630 | 1000 |
| 05298 | Cumene | 98-82-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 200 | N.D. | | 1,700 | 1000 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 200 | N.D. | | 1,500 | 1000 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | 230 | J | 200 | 1,400 | J | 1,200 | 1000 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 200 | N.D. | | 990 | 1000 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 1,000 | | 200 | 4,100 | | 810 | 1000 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 200 | N.D. | | 810 | 1000 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 87,000 | | 400 | 340,000 | | 1,600 | 2000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 200 | N.D. | | 840 | 1000 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 200 | N.D. | | 870 | 1000 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 500 | N.D. | | 3,800 | 1000 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Heptane | 142-82-5 | N.D. | | 200 | N.D. | | 820 | 1000 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 200 | N.D. | | 1,900 | 1000 |
| 05298 | Hexane | 110-54-3 | 220 | J | 200 | 770 | J | 700 | 1000 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 200 | N.D. | | 720 | 1000 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Methylene Chloride | 75-09-2 | 260 | J | 200 | 920 | J | 690 | 1000 |
| 05298 | Octane | 111-65-9 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Pentane | 109-66-0 | 410 | J | 200 | 1,200 | J | 590 | 1000 |
| 05298 | Styrene | 100-42-5 | N.D. | | 200 | N.D. | | 850 | 1000 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Tetrachloroethene | 127-18-4 | 240 | J | 200 | 1,700 | J | 1,400 | 1000 |

**Sample Description:** VW 5 Grab Air
Summa #20
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6676457**
**LLI Group # 1313430**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 05/31/2012 14:20 by CP

Submitted: 06/05/2012 09:35
Reported: 06/14/2012 20:07

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 280 | J | 200 | 1,000 | J | 750 | 1000 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 7,500 | | 200 | 41,000 | | 1,100 | 1000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 200 | N.D. | | 1,100 | 1000 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 200 | N.D. | | 1,100 | 1000 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 200 | N.D. | | 1,100 | 1000 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 200 | N.D. | | 510 | 1000 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 200 | N.D. | | 870 | 1000 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 200 | N.D. | | 870 | 1000 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1216430AA | 06/12/2012 21:38 | Jeffrey B Smith | 1000 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1216430AB | 06/13/2012 20:07 | Jeffrey B Smith | 2000 |

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1313430
Reported: 06/14/12 at 08:07 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

## Laboratory Compliance Quality Control

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: A1216030AB | Sample number(s): 6676437-6676449 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 98 | 114 | 67-138 | 15 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 82 | 92 | 70-130 | 11 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 81 | 94 | 70-138 | 14 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 81 | 89 | 71-150 | 10 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 104 | 121 | 70-130 | 15 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 100 | 116 | 60-135 | 15 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 92 | 109 | 66-129 | 17 | 25 |
| Carbon Disulfide | N.D. | 0.50 | ppb(v) | 84 | 99 | 56-106 | 17 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 84 | 96 | 70-130 | 13 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 80 | 89 | 70-130 | 11 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 97 | 108 | 71-129 | 11 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 79 | 93 | 70-130 | 17 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 105 | 123 | 58-129 | 16 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 81 | 90 | 68-138 | 10 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 85 | 94 | 71-135 | 10 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 92 | 98 | 71-143 | 7 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 88 | 92 | 68-136 | 5 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 86 | 98 | 67-140 | 13 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 100 | 124 | 72-140 | 22 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 84 | 98 | 66-126 | 15 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 85 | 98 | 70-130 | 14 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 91 | 106 | 64-117 | 16 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 85 | 98 | 69-120 | 14 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 91 | 104 | 67-121 | 13 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 79 | 87 | 70-130 | 9 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 79 | 88 | 67-134 | 11 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 82 | 93 | 67-134 | 12 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 81 | 90 | 70-130 | 10 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 84 | 90 | 69-135 | 7 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 80 | 91 | 67-115 | 13 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 93 | 110 | 66-120 | 17 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 85 | 95 | 60-125 | 11 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 85 | 98 | 62-120 | 14 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 103 | 124 | 54-166 | 18 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 80 | 94 | 64-124 | 15 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 91 | 108 | 61-145 | 17 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 85 | 100 | 70-130 | 16 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1313430
Reported: 06/14/12 at 08:07 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 82 | 93 | 70-139 | 12 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 91 | 101 | 67-145 | 10 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 76 | 82 | 70-130 | 8 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 82 | 88 | 70-130 | 7 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 84 | 97 | 70-130 | 14 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 88 | 94 | 68-128 | 6 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 85 | 93 | 70-130 | 9 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 94 | 118 | 70-130 | 23 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 87 | 95 | 69-138 | 8 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 83 | 92 | 71-142 | 10 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 109 | 125 | 70-130 | 14 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 84 | 94 | 70-130 | 11 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 85 | 94 | 70-130 | 10 | 25 |
| Batch number: A1216030AC | Sample number(s): 6676450-6676456 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 98 | 114 | 67-138 | 15 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 82 | 92 | 70-130 | 11 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 81 | 94 | 70-138 | 14 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 81 | 89 | 71-150 | 10 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 104 | 121 | 70-130 | 15 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 100 | 116 | 60-135 | 15 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 92 | 109 | 66-129 | 17 | 25 |
| Carbon Disulfide | N.D. | 0.50 | ppb(v) | 84 | 99 | 56-106 | 17 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 84 | 96 | 70-130 | 13 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 80 | 89 | 70-130 | 11 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 97 | 108 | 71-129 | 11 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 79 | 93 | 70-130 | 17 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 105 | 123 | 58-129 | 16 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 81 | 90 | 68-138 | 10 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 85 | 94 | 71-135 | 10 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 92 | 98 | 71-143 | 7 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 88 | 92 | 68-136 | 5 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 86 | 98 | 67-140 | 13 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 100 | 124 | 72-140 | 22 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 84 | 98 | 66-126 | 15 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 85 | 98 | 70-130 | 14 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 91 | 106 | 64-117 | 16 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 85 | 98 | 69-120 | 14 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 91 | 104 | 67-121 | 13 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 79 | 87 | 70-130 | 9 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 79 | 88 | 67-134 | 11 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 82 | 93 | 67-134 | 12 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 81 | 90 | 70-130 | 10 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 84 | 90 | 69-135 | 7 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 80 | 91 | 67-115 | 13 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 93 | 110 | 66-120 | 17 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 85 | 95 | 60-125 | 11 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1313430
Reported: 06/14/12 at 08:07 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Hexane | N.D. | 0.20 | ppb(v) | 85 | 98 | 62-120 | 14 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 103 | 124 | 54-166 | 18 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 80 | 94 | 64-124 | 15 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 91 | 108 | 61-145 | 17 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 85 | 100 | 70-130 | 16 | 25 |
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 82 | 93 | 70-139 | 12 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 91 | 101 | 67-145 | 10 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 76 | 82 | 70-130 | 8 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 82 | 88 | 70-130 | 7 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 84 | 97 | 70-130 | 14 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 88 | 94 | 68-128 | 6 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 85 | 93 | 70-130 | 9 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 94 | 118 | 70-130 | 23 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 87 | 95 | 69-138 | 8 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 83 | 92 | 71-142 | 10 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 109 | 125 | 70-130 | 14 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 84 | 94 | 70-130 | 11 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 85 | 94 | 70-130 | 10 | 25 |
| Batch number: A1216430AA | Sample number(s): 6676457 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 109 | 122 | 67-138 | 11 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 88 | 88 | 70-130 | 1 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 93 | 96 | 70-138 | 3 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 84 | 84 | 71-150 | 0 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 100 | 111 | 70-130 | 11 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 96 | 106 | 60-135 | 9 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 95 | 102 | 66-129 | 7 | 25 |
| Carbon Disulfide | N.D. | 0.50 | ppb(v) | 81 | 87 | 56-106 | 7 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 91 | 98 | 70-130 | 8 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 85 | 82 | 70-130 | 4 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 100 | 107 | 71-129 | 7 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 87 | 95 | 70-130 | 9 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 103 | 110 | 58-129 | 7 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 84 | 86 | 68-138 | 2 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 90 | 89 | 71-135 | 1 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 94 | 94 | 71-143 | 0 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 89 | 93 | 68-136 | 5 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 89 | 91 | 67-140 | 2 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 102 | 112 | 72-140 | 10 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 88 | 97 | 66-126 | 10 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 96 | 101 | 70-130 | 5 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 89 | 99 | 69-120 | 11 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 91 | 99 | 67-121 | 9 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 87 | 89 | 70-130 | 2 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 86 | 92 | 67-134 | 7 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 90 | 88 | 67-134 | 2 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 88 | 86 | 70-130 | 2 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1313430
Reported: 06/14/12 at 08:07 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 84 | 85 | 69-135 | 1 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 83 | 91 | 67-115 | 9 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 92 | 101 | 66-120 | 10 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 88 | 94 | 60-125 | 6 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 86 | 91 | 62-120 | 6 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 107 | 107 | 54-166 | 0 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 82 | 90 | 64-124 | 10 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 100 | 102 | 61-145 | 1 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 90 | 99 | 70-130 | 9 | 25 |
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 86 | 85 | 70-139 | 1 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 95 | 93 | 67-145 | 2 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 77 | 77 | 70-130 | 0 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 87 | 85 | 70-130 | 3 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 88 | 97 | 70-130 | 10 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 92 | 88 | 68-128 | 4 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 90 | 94 | 70-130 | 4 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 103 | 113 | 70-130 | 10 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 90 | 88 | 69-138 | 2 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 87 | 88 | 71-142 | 1 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 105 | 113 | 70-130 | 8 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 86 | 88 | 70-130 | 2 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 90 | 88 | 70-130 | 1 | 25 |
| Batch number: A1216430AB | Sample number(s): 6676457 | | | | | | | |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 92 | 100 | 64-117 | 8 | 25 |
| Batch number: D1216030AB | Sample number(s): 6676435-6676436 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 121 | 122 | 67-138 | 1 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 83 | 82 | 70-130 | 1 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 97 | 94 | 70-138 | 3 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 92 | 84 | 71-150 | 10 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 114 | 123 | 70-130 | 7 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 106 | 115 | 60-135 | 8 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 104 | 106 | 66-129 | 2 | 25 |
| Carbon Disulfide | N.D. | 0.50 | ppb(v) | 93 | 98 | 56-106 | 5 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 101 | 102 | 70-130 | 2 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 80 | 72 | 70-130 | 10 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 101 | 104 | 71-129 | 3 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 92 | 93 | 70-130 | 1 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 105 | 111 | 58-129 | 6 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 85 | 77 | 68-138 | 10 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 85 | 77 | 71-135 | 9 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 91 | 82 | 71-143 | 11 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 86 | 78 | 68-136 | 11 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 89 | 80 | 67-140 | 11 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 126 | 129 | 72-140 | 3 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 95 | 96 | 66-126 | 1 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1313430
Reported: 06/14/12 at 08:07 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 99 | 95 | 70-130 | 3 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 101 | 108 | 64-117 | 7 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 88 | 91 | 69-120 | 4 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 98 | 101 | 67-121 | 4 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 78 | 76 | 70-130 | 2 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 90 | 88 | 67-134 | 2 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 80 | 74 | 67-134 | 9 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 81 | 73 | 70-130 | 11 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 82 | 72 | 69-135 | 13 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 91 | 93 | 67-115 | 2 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 106 | 111 | 66-120 | 5 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 83 | 82 | 60-125 | 1 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 86 | 89 | 62-120 | 4 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 122 | 110 | 54-166 | 10 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 91 | 93 | 64-124 | 2 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 113 | 110 | 61-145 | 2 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 92 | 94 | 70-130 | 3 | 25 |
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 88 | 78 | 70-139 | 12 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 94 | 84 | 67-145 | 11 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 77 | 70 | 70-130 | 9 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 78 | 70 | 70-130 | 11 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 96 | 97 | 70-130 | 1 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 79 | 72 | 68-128 | 9 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 85 | 85 | 70-130 | 0 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 123 | 129 | 70-130 | 5 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 85 | 75 | 69-138 | 12 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 87 | 77 | 71-142 | 13 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 116 | 122 | 70-130 | 5 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 89 | 79 | 70-130 | 12 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 86 | 76 | 70-130 | 12 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Summa Canister Field Test Data/Chain of Custody

eurofins | Lancaster Laboratories

Acct. # 6556 Group # 131430 For Lancaster Laboratories use only Sample # 667643S-57 Bottle Order (SCR) # 122726

Instructions on reverse side correspond with circled numbers.

## (1) Client Information

Client: Johnson CO
Account #:
Project Name/#: Flowery Branch SVE
Project Manager: Todd Hill
P.O. #:
Sampler: Calvin Prewitt
Quote #:
Name of state where samples were collected: GA

## (3) Turnaround Time Requested (TAT) (circle one)

Standard | Rush (specify) _____

## (4) Data Package Required?

Yes No

## (5) EDD Required?

Yes No

| | Temperature (F) | | Pressure ("Hg) | |
|---|---|---|---|---|
| | Start | Stop | Start | Stop |
| Ambient | | | | |
| Maximum | | | | |
| Minimum | | | | |

## (6) Analyses Requested

EPA TO - 15 | ☐ MTBE ☐ BTEX EPA 18 | EPA 25 (select range below) | Helium as tracer | O2/CO2 | Library Search

## (2)

| Sample Identification | Sample Collection Date | Time Start (24 hr clock) | Time Stop (24 hr clock) | Canister Pressure in Field ("Hg) (Start) | Canister Pressure in Field ("Hg) (Stop) | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Flow Reg. ID | Can ID | Can Size (L) | Controller Flowrate (ml/min) | EPA TO - 15 | EPA 18 | EPA 25 | Helium as tracer | O2/CO2 | Library Search | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SVE 6 | 5/31 | 13:59 | | | | | | — | 110 | 6 | — | X | | | | | | |
| VW 6 | " | 13:47 | | | | | | — | 886 | 6 | — | X | | | | | | |
| MP 07 | " | 14:10 | | | | | | — | 838 | 6 | — | X | | | | | | |
| SVE 4 | " | 14:50 | | | | | | — | 876 | 6 | — | X | | | | | | |
| MP 08 | " | 14:24 | | | | | | — | 1110 | 6 | — | X | | | | | | |
| MW 65S | " | 14:30 | | | | | | — | 1117 | 6 | — | X | | | | | | |
| MW 64 | " | 14:15 | | | | | | — | 899 | 6 | — | X | | | | | | |
| MP 03 | " | 13:41 | | | | | | — | 504 | 6 | — | X | | | | | | |
| MP 04 | " | 13:36 | | | | | | — | 854 | 6 | — | X | | | | | | |
| SVE 5 | " | 13:54 | | | | | | — | 1084 | 6 | — | X | | | | | | |
| SVE 3 | " | 13:46 | | | | | | — | 877 | 6 | — | X | | | | | | |

## (7) Instructions/QC Requirements & Comments

**EPA 25** (check one)
☐ C1 - C4 ☐ C2 - C10
☐ C1 - C10 ☐ C4 - C10 (GRO)
☐ C2 - C4

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Canisters Shipped by: | Date/Time: 5-24-12 19:48 | Canisters Received by: | Date/Time | Relinquished by: | Date/Time | Received by: | Date/Time: (8) | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Relinquished by: | Date/Time: | Received by: | Date/Time: | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Relinquished by: | Date/Time: | Received by: | Date/Time: 6/5/12 0935 | |

# Summa Canister Field Test Data/Chain of Custody

eurofins | Lancaster Laboratories

Acct. # 6556 Group # 1313430 For Lancaster Laboratories use only Sample # 667643S-57 Bottle Order (SCR) # 122726

Instructions on reverse side correspond with circled numbers.

## (1) Client Information

Client: Johnson Co
Account #:
Project Name/#: Florey Branch SVE
Project Manager: Todd Hall
P.O. #:
Sampler: Calvin Pruitt
Quote #:
Name of state where samples were collected: GA

## (3) Turnaround Time Requested (TAT) (circle one)

Standard | Rush (specify) _____

## (4) Data Package Required?

Yes No

## (5) EDD Required?

Yes No

| | Temperature (F) Start | Temperature (F) Stop | Pressure ("Hg) Start | Pressure ("Hg) Stop |
|---|---|---|---|---|
| Ambient | | | | |
| Maximum | | | | |
| Minimum | | | | |

## (6) Analyses Requested

☐ MTBE ☐ BTEX

| (2) Sample Identification | Sample Collection Date | Time Start (24 hr clock) | Time Stop (24 hr clock) | Canister Pressure in Field ("Hg) (Start) | Canister Pressure in Field ("Hg) (Stop) | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Flow Reg. ID | Can ID | Can Size (L) | Controller Flowrate (ml/min) | EPA TO - 15 | EPA 18 | EPA 25 (select range below) | Helium as tracer | O2/CO2 | Library Search | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MP 05 | 5/31 | 13:30 | | | | | | — | 818 | 6 | — | X | | | | | | |
| SVE 2 | " | 14:41 | | | | | | — | 328 | 6 | — | X | | | | | | |
| SVE 7 | " | 15:17 | | | | | | — | 293 | 6 | — | X | | | | | | |
| MP 11 | " | 15:12 | | | | | | — | 860 | 6 | — | X | | | | | | |
| MP 09 | " | 15:22 | | | | | | — | 881 | 6 | — | X | | | | | | |
| SVE 1 | " | 14:36 | | | | | | — | 5226 | 6 | — | X | | | | | | |
| MP 06 | " | 14:04 | | | | | | — | 95 | 6 | — | X | | | | | | |
| Undisturbed | " | 15:28 | | | | | | — | 812 | 6 | — | X | | | | | | |
| VW 3 | " | 15:00 | | | | | | — | 1039 | 6 | — | X | | | | | | |
| MP 02 | " | 15:06 | | | | | | — | 15 | 6 | — | X | | | | | | |
| MP 10 | " | 14:56 | | | | | | — | 666 | 6 | — | X | | | | | | |

## (7) Instructions/QC Requirements & Comments

**EPA 25** (check one)
☐ C1 - C4 ☐ C2 - C10
☐ C1 - C10 ☐ C4 - C10 (GRO)
☐ C2 - C4

| Canisters Shipped by: | Date/Time: | Canisters Received by: | Date/Time | Relinquished by: | Date/Time | Received by: | Date/Time: (8) |
|---|---|---|---|---|---|---|---|
| CBSF | 5/29/12 1549 | | | | | | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Relinquished by: | Date/Time: | Received by: | Date/Time: |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Relinquished by: | Date/Time: | Received by: | Date/Time: 6/5/12 0935 |

# Summa Canister Field Test Data/Chain of Custody

eurofins | Lancaster Laboratories

Acct. # 6556 Group # 1313430 For Lancaster Laboratories use only Sample # 667643S-57 Bottle Order (SCR) # 122726

Instructions on reverse side correspond with circled numbers.

**(1) Client Information**

Client: Johnson Co
Account #:
Project Name/#: Flowery Branch SVE
Project Manager: Todd Hall
P.O. #:
Sampler: Calvin Pruitt
Quote #:
Name of state where samples were collected: GA

**(3) Turnaround Time Requested (TAT)** (circle one)

Standard | Rush (specify) _____

**(4) Data Package Required?** Yes No

**(5) EDD Required?** Yes No

| | Temperature (F) | | Pressure ("Hg) | |
|---|---|---|---|---|
| | Start | Stop | Start | Stop |
| Ambient | | | | |
| Maximum | | | | |
| Minimum | | | | |

**(6) Analyses Requested**

| (2) Sample Identification | Sample Collection Date | Time Start (24 hr clock) | Time Stop (24 hr clock) | Canister Pressure in Field ("Hg) (Start) | Canister Pressure in Field ("Hg) (Stop) | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Flow Reg. ID | Can ID | Can Size (L) | Controller Flowrate (ml/min) | EPA TO - 15 | EPA 18 / ☐ BTEX ☐ MTBE | EPA 25 (select range below) | Helium as tracer | O2/CO2 | Library Search | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| VW 5 | 5/31 | 14:20 | | | | | | — | 20 | 6 | — | X | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |

**(7) Instructions/QC Requirements & Comments**

**EPA 25** (check one) ☐ C1 - C4 ☐ C2 - C10 ☐ C1 - C10 ☐ C4 - C10 (GRO) ☐ C2 - C4

| Canisters Shipped by: | Date/Time: | Canisters Received by: | Date/Time | Relinquished by: | Date/Time | Received by: | Date/Time: (8) |
|---|---|---|---|---|---|---|---|
| Cliff | 5-24-12 9:49 | | | | | | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Relinquished by: | Date/Time: | Received by: | Date/Time: |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Relinquished by: | Date/Time: | Received by: | Date/Time: 6/5/12 0935 |

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# Environmental Sample Administration
# Receipt Documentation Log

**Client/Project:** Johnson 6

**Date of Receipt:** 6/5/12

**Time of Receipt:** 0935

**Source Code:** 60

**Shipping Container Sealed:** (YES) NO

**Custody Seal Present * :** YES (NO)

* Custody seal was intact unless otherwise noted in the discrepancy section

**Package:** Chilled (Not Chilled)

| Temperature of Shipping Containers | | | | | | | |
|---|---|---|---|---|---|---|---|
| Cooler # | Thermometer ID | Temperature (°C) | Temp Bottle (TB) or Surface Temp (ST) | Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP) | Ice Present? Y/N | Loose (L) Bagged Ice (B) or NA | Comments |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |

**Number of Trip Blanks received NOT listed on chain of custody:** Ø

**Paperwork Discrepancy/Unpacking Problems:**

2 Gauges + 2 large bags of hardware

**Unpacker Signature/Emp#:** 964 **Date/Time:** 6/5/12 0935

Issued by Dept. 6042 Management

2174.06

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# Explanation of Symbols and Abbreviations

*The following defines common symbols and abbreviations used in reporting technical data:*

| | | | |
|---|---|---|---|
| **RL** | Reporting Limit | **BMQL** | Below Minimum Quantitation Level |
| **N.D.** | none detected | **MPN** | Most Probable Number |
| **TNTC** | Too Numerous To Count | **CP Units** | cobalt-chloroplatinate units |
| **IU** | International Units | **NTU** | nephelometric turbidity units |
| **umhos/cm** | micromhos/cm | **ng** | nanogram(s) |
| **C** | degrees Celsius | **F** | degrees Fahrenheit |
| **meq** | milliequivalents | **lb.** | pound(s) |
| **g** | gram(s) | **kg** | kilogram(s) |
| **µg** | microgram(s) | **mg** | milligram(s) |
| **mL** | milliliter(s) | **L** | liter(s) |
| **m3** | cubic meter(s) | **µL** | microliter(s) |
| | | **pg/L** | picogram/liter |

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

*Data Qualifiers:*

**C –** result confirmed by reanalysis.

**J -** estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

*U.S. EPA CLP Data Qualifiers:*

| **Organic Qualifiers** | | **Inorganic Qualifiers** | |
|---|---|---|---|
| **A** | TIC is a possible aldol-condensation product | **B** | Value is <CRDL, but ≥IDL |
| **B** | Analyte was also detected in the blank | **E** | Estimated due to interference |
| **C** | Pesticide result confirmed by GC/MS | **M** | Duplicate injection precision not met |
| **D** | Compound quantitated on a diluted sample | **N** | Spike sample not within control limits |
| **E** | Concentration exceeds the calibration range of the instrument | **S** | Method of standard additions (MSA) used for calculation |
| **N** | Presumptive evidence of a compound (TICs only) | **U** | Compound was not detected |
| **P** | Concentration difference between primary and confirmation columns >25% | **W** | Post digestion spike out of control limits |
| **U** | Compound was not detected | ***** | Duplicate analysis not within control limits |
| **X,Y,Z** | Defined in case narrative | **+** | Correlation coefficient for MSA <0.995 |

**Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.**

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

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2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

# Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

August 13, 2012

Project: Avery Dennison / Flowery Branch, GA

Submittal Date: 08/01/2012
Group Number: 1325767
PO Number: 1-0145-4
State of Sample Origin: GA

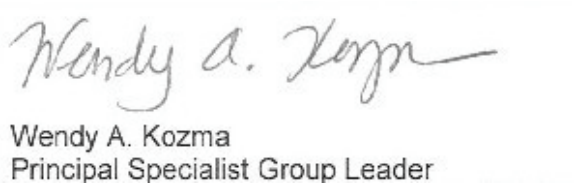
| Client Sample Description | Lancaster Labs (LLI) # |
|---|---|
| MP 05 Grab Air | 6740098 |
| Undiluted Grab Air | 6740099 |
| VW 3 Grab Air | 6740100 |
| MP 04 Grab Air | 6740101 |
| MW 64 Grab Air | 6740102 |
| SVE 4 Grab Air | 6740103 |
| SVE 5 Grab Air | 6740104 |
| VW 5 Grab Air | 6740105 |
| MP 11 Grab Air | 6740106 |
| VW 6 Grab Air | 6740107 |
| SVE 1 Grab Air | 6740108 |
| MP 03 Grab Air | 6740109 |
| SVE 3 Grab Air | 6740110 |
| MP 09 Grab Air | 6740111 |
| MW 65S Grab Air | 6740112 |
| MP 07 Grab Air | 6740113 |
| SVE 6 Grab Air | 6740114 |
| MP 06 Grab Air | 6740115 |
| MP 10 Grab Air | 6740116 |
| MP 02 Grab Air | 6740117 |
| SVE 2 Grab Air | 6740118 |
| MP 08 Grab Air | 6740119 |
| SVE 7 Grab Air | 6740120 |

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

ELECTRONIC COPY TO The Johnson Company, Inc. Attn: Todd Hall

Respectfully Submitted,



Wendy A. Kozma
Principal Specialist Group Leader

(717) 556-7257

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# Analysis Report



**Sample Description:** MP 05 Grab Air
Summa Can# 848
Avery Dennison / Flowery Branch, GA

**LLI Sample #** AQ 6740098
**LLI Group #** 1325767
**Account #** 06556

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/30/2012 10:30 by CP

Submitted: 08/01/2012 09:20
Reported: 08/13/2012 23:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 5.9 | | 0.50 | 14 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | N.D. | | 0.20 | N.D. | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.40 | N.D. | | 0.88 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 1.4 | J | 0.50 | 4.1 | J | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 0.50 | N.D. | | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 1.6 | | 0.20 | 5.7 | | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 0.45 | J | 0.20 | 0.93 | J | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 0.91 | J | 0.20 | 4.5 | J | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.69 | J | 0.20 | 3.4 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 19 | | 0.20 | 74 | | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | 0.72 | J | 0.20 | 5.1 | J | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 0.20 | N.D. | | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.42 | J | 0.20 | 1.2 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 0.49 | J | 0.20 | 3.3 | J | 1.4 | 1 |

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# Analysis Report



**Sample Description: MP 05 Grab Air**
**Summa Can# 848**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6740098**
**LLI Group # 1325767**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/30/2012 10:30 by CP

Submitted: 08/01/2012 09:20
Reported: 08/13/2012 23:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | N.D. | | 0.20 | N.D. | | 0.75 | 1 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 21 | | 0.20 | 120 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 0.29 | J | 0.20 | 1.3 | J | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1221230AB | 08/03/2012 00:17 | Jeffrey B Smith | 1 |

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# Analysis Report



**Sample Description: Undiluted Grab Air**
**Summa Can# 527**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6740099**
**LLI Group # 1325767**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/30/2012 12:11 by CP

Submitted: 08/01/2012 09:20
Reported: 08/13/2012 23:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 7.9 | J | 5.0 | 19 | J | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 4.0 | N.D. | | 8.8 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 5.0 | N.D. | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 5.0 | N.D. | | 16 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 11 | | 2.0 | 46 | | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 410 | | 2.0 | 1,600 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 2.0 | N.D. | | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |

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# Analysis Report



**Sample Description: Undiluted Grab Air**
**Summa Can# 527**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6740099**
**LLI Group # 1325767**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/30/2012 12:11 by CP

Submitted: 08/01/2012 09:20
Reported: 08/13/2012 23:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 37 | | 2.0 | 140 | | 7.5 | 10 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 320 | | 2.0 | 1,800 | | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 32 | | 2.0 | 180 | | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 2.0 | N.D. | | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | 2.1 | J | 2.0 | 9.0 | J | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1221230AB | 08/03/2012 00:57 | Jeffrey B Smith | 10 |

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# Analysis Report



**Sample Description:** VW 3 Grab Air
Summa Can# 886
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6740100**
**LLI Group # 1325767**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/30/2012 11:49 by CP

Submitted: 08/01/2012 09:20
Reported: 08/13/2012 23:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 4,500 | | 50 | 11,000 | | 120 | 100 |
| 05298 | Benzene | 71-43-2 | N.D. | | 20 | N.D. | | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 40 | N.D. | | 88 | 100 |
| 05298 | 2-Butanone | 78-93-3 | 2,000 | | 50 | 5,800 | | 150 | 100 |
| 05298 | Carbon Disulfide | 75-15-0 | 63 | J | 50 | 200 | J | 160 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 41 | J | 20 | 150 | J | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 20 | N.D. | | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | 25 | J | 20 | 52 | J | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | 24 | J | 20 | 140 | J | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 20 | N.D. | | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | N.D. | | 20 | N.D. | | 81 | 100 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 20 | N.D. | | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 780 | | 20 | 3,100 | | 79 | 100 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | 36 | J | 20 | 160 | J | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | 62 | J | 20 | 250 | J | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | 58 | J | 20 | 200 | J | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 360 | | 20 | 1,300 | | 69 | 100 |
| 05298 | Octane | 111-65-9 | 59 | J | 20 | 270 | J | 93 | 100 |
| 05298 | Pentane | 109-66-0 | 53 | J | 20 | 160 | J | 59 | 100 |
| 05298 | Styrene | 100-42-5 | 120 | | 20 | 500 | | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 20 | N.D. | | 140 | 100 |

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# Analysis Report



**Sample Description:** VW 3 Grab Air
Summa Can# 886
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6740100**
**LLI Group # 1325767**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/30/2012 11:49 by CP

Submitted: 08/01/2012 09:20
Reported: 08/13/2012 23:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 120 | | 20 | 460 | | 75 | 100 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 570 | | 20 | 3,100 | | 110 | 100 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 20 | N.D. | | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | 66 | J | 20 | 290 | J | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | 23 | J | 20 | 100 | J | 87 | 100 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1221230AB | 08/03/2012 01:34 | Jeffrey B Smith | 100 |

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# Analysis Report



**Sample Description:** MP 04 Grab Air
Summa Can# 123
Avery Dennison / Flowery Branch, GA

**LLI Sample #** AQ 6740101
**LLI Group #** 1325767
**Account #** 06556

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/30/2012 10:35 by CP

Submitted: 08/01/2012 09:20
Reported: 08/13/2012 23:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 5.4 | | 0.50 | 13 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | N.D. | | 0.20 | N.D. | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.40 | N.D. | | 0.88 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 3.7 | | 0.50 | 11 | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 0.77 | J | 0.50 | 2.4 | J | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 1.7 | | 0.20 | 5.9 | | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 0.20 | N.D. | | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 0.79 | J | 0.20 | 3.9 | J | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.60 | J | 0.20 | 2.9 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 0.36 | J | 0.20 | 1.5 | J | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 1.3 | | 0.20 | 5.3 | | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | 0.74 | J | 0.20 | 5.2 | J | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | 0.47 | J | 0.20 | 1.7 | J | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 6.7 | | 0.20 | 23 | | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.49 | J | 0.20 | 1.5 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 0.52 | J | 0.20 | 3.5 | J | 1.4 | 1 |

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# Analysis Report



**Sample Description: MP 04 Grab Air**
**Summa Can# 123**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6740101**
**LLI Group # 1325767**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/30/2012 10:35 by CP

Submitted: 08/01/2012 09:20
Reported: 08/13/2012 23:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 0.55 | J | 0.20 | 2.1 | J | 0.75 | 1 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 0.24 | J | 0.20 | 1.3 | J | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 23 | | 0.20 | 130 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 0.33 | J | 0.20 | 1.5 | J | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1221230AB | 08/03/2012 02:14 | Jeffrey B Smith | 1 |

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# Analysis Report



**Sample Description:** MW 64 Grab Air
Summa Can# 113
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6740102**
**LLI Group # 1325767**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/30/2012 11:25 by CP

Submitted: 08/01/2012 09:20
Reported: 08/13/2012 23:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 1,100 | J | 500 | 2,700 | J | 1,200 | 1000 |
| 05298 | Benzene | 71-43-2 | N.D. | | 200 | N.D. | | 640 | 1000 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 200 | N.D. | | 2,100 | 1000 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 200 | N.D. | | 780 | 1000 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 400 | N.D. | | 880 | 1000 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 500 | N.D. | | 1,500 | 1000 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 500 | N.D. | | 1,600 | 1000 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 200 | N.D. | | 710 | 1000 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 200 | N.D. | | 530 | 1000 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 200 | N.D. | | 410 | 1000 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 200 | N.D. | | 630 | 1000 |
| 05298 | Cumene | 98-82-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 200 | N.D. | | 1,700 | 1000 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 200 | N.D. | | 1,500 | 1000 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 200 | N.D. | | 990 | 1000 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 6,100 | | 200 | 25,000 | | 810 | 1000 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 200 | N.D. | | 810 | 1000 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 180,000 | | 4,000 | 700,000 | | 16,000 | 20000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 200 | N.D. | | 840 | 1000 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 200 | N.D. | | 870 | 1000 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 500 | N.D. | | 3,800 | 1000 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Heptane | 142-82-5 | N.D. | | 200 | N.D. | | 820 | 1000 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 200 | N.D. | | 1,900 | 1000 |
| 05298 | Hexane | 110-54-3 | N.D. | | 200 | N.D. | | 700 | 1000 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 200 | N.D. | | 720 | 1000 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Methylene Chloride | 75-09-2 | 910 | J | 200 | 3,100 | J | 690 | 1000 |
| 05298 | Octane | 111-65-9 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Pentane | 109-66-0 | N.D. | | 200 | N.D. | | 590 | 1000 |
| 05298 | Styrene | 100-42-5 | N.D. | | 200 | N.D. | | 850 | 1000 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Tetrachloroethene | 127-18-4 | 220 | J | 200 | 1,500 | J | 1,400 | 1000 |

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# Analysis Report



**Sample Description: MW 64 Grab Air**
**Summa Can# 113**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6740102**
**LLI Group # 1325767**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/30/2012 11:25 by CP

Submitted: 08/01/2012 09:20
Reported: 08/13/2012 23:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 310 | J | 200 | 1,200 | J | 750 | 1000 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 110,000 | | 4,000 | 620,000 | | 22,000 | 20000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 200 | N.D. | | 1,100 | 1000 |
| 05298 | Trichloroethene | 79-01-6 | 300 | J | 200 | 1,600 | J | 1,100 | 1000 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 200 | N.D. | | 1,100 | 1000 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 200 | N.D. | | 510 | 1000 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 200 | N.D. | | 870 | 1000 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 200 | N.D. | | 870 | 1000 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1221230AB | 08/03/2012 02:54 | Jeffrey B Smith | 1000 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1221930AB | 08/06/2012 22:23 | Jeffrey B Smith | 20000 |

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# Analysis Report



**Sample Description:** SVE 4 Grab Air
Summa Can# 110
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6740103**
**LLI Group # 1325767**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/30/2012 11:41 by CP

Submitted: 08/01/2012 09:20
Reported: 08/13/2012 23:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 5.0 | | 0.50 | 12 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | N.D. | | 0.20 | N.D. | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.40 | N.D. | | 0.88 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 1.1 | J | 0.50 | 3.2 | J | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 0.50 | N.D. | | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 0.76 | J | 0.20 | 2.7 | J | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | 0.60 | J | 0.20 | 3.0 | J | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 0.31 | J | 0.20 | 0.64 | J | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 0.44 | J | 0.20 | 2.2 | J | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | 0.31 | J | 0.20 | 1.9 | J | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.39 | J | 0.20 | 1.9 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 0.64 | J | 0.20 | 2.6 | J | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 0.20 | N.D. | | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.35 | J | 0.20 | 1.0 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |

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# Analysis Report



**Sample Description:** SVE 4 Grab Air
Summa Can# 110
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6740103**
**LLI Group # 1325767**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/30/2012 11:41 by CP

Submitted: 08/01/2012 09:20
Reported: 08/13/2012 23:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | N.D. | | 0.20 | N.D. | | 0.75 | 1 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 0.78 | J | 0.20 | 4.3 | J | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 7.1 | | 0.20 | 40 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 0.39 | J | 0.20 | 1.7 | J | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 0.23 | J | 0.20 | 1.0 | J | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1221930AB | 08/07/2012 12:04 | Michael A Ziegler | 1 |

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# Analysis Report



**Sample Description:** SVE 5 Grab Air
Summa Can# 532
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6740104**
**LLI Group # 1325767**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/30/2012 10:50 by CP

Submitted: 08/01/2012 09:20
Reported: 08/13/2012 23:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 6.4 | J | 5.0 | 15 | J | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 4.0 | N.D. | | 8.8 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 5.0 | N.D. | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 5.0 | N.D. | | 16 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 5.2 | J | 2.0 | 21 | J | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 180 | | 2.0 | 730 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 2.0 | N.D. | | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |

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# Analysis Report



**Sample Description:** SVE 5 Grab Air
Summa Can# 532
Avery Dennison / Flowery Branch, GA

**LLI Sample #** AQ 6740104
**LLI Group #** 1325767
**Account #** 06556

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/30/2012 10:50 by CP

Submitted: 08/01/2012 09:20
Reported: 08/13/2012 23:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | Toluene | 108-88-3 | N.D. | 2.0 | N.D. | 7.5 | 10 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 31 | 2.0 | 170 | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 22 | 2.0 | 120 | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 2.0 | N.D. | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 2.0 | N.D. | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 2.0 | N.D. | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 2.0 | N.D. | 8.7 | 10 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1221930AB | 08/06/2012 23:37 | Jeffrey B Smith | 10 |

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# Analysis Report



**Sample Description:** VW 5 Grab Air
Summa Can# 812
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6740105**
**LLI Group # 1325767**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/30/2012 11:12 by CP

Submitted: 08/01/2012 09:20
Reported: 08/13/2012 23:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 1,500 | | 50 | 3,600 | | 120 | 100 |
| 05298 | Benzene | 71-43-2 | N.D. | | 20 | N.D. | | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 40 | N.D. | | 88 | 100 |
| 05298 | 2-Butanone | 78-93-3 | 720 | | 50 | 2,100 | | 150 | 100 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 50 | N.D. | | 160 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 200 | | 20 | 710 | | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 20 | N.D. | | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 20 | N.D. | | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 20 | N.D. | | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 730 | | 20 | 3,000 | | 81 | 100 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 22 | J | 20 | 90 | J | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 28,000 | | 200 | 110,000 | | 790 | 1000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | 29 | J | 20 | 130 | J | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | 220 | | 20 | 910 | | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | 330 | | 20 | 1,200 | | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 630 | | 20 | 2,200 | | 69 | 100 |
| 05298 | Octane | 111-65-9 | 110 | | 20 | 520 | | 93 | 100 |
| 05298 | Pentane | 109-66-0 | 430 | | 20 | 1,300 | | 59 | 100 |
| 05298 | Styrene | 100-42-5 | 87 | J | 20 | 370 | J | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 20 | N.D. | | 140 | 100 |

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# Analysis Report



**Sample Description:** VW 5 Grab Air
Summa Can# 812
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6740105**
**LLI Group # 1325767**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/30/2012 11:12 by CP

Submitted: 08/01/2012 09:20
Reported: 08/13/2012 23:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 130 | | 20 | 510 | | 75 | 100 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 4,800 | | 20 | 26,000 | | 110 | 100 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | 48 | J | 20 | 260 | J | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 27 | J | 20 | 150 | J | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 20 | N.D. | | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | 44 | J | 20 | 190 | J | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 20 | N.D. | | 87 | 100 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1221930AB | 08/07/2012 00:14 | Jeffrey B Smith | 100 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1221930AB | 08/07/2012 12:45 | Michael A Ziegler | 1000 |

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# Analysis Report



**Sample Description: MP 11 Grab Air**
**Summa Can# 854**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6740106**
**LLI Group # 1325767**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/30/2012 11:58 by CP

Submitted: 08/01/2012 09:20
Reported: 08/13/2012 23:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 530 | | 5.0 | 1,300 | | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 4.0 | N.D. | | 8.8 | 10 |
| 05298 | 2-Butanone | 78-93-3 | 500 | | 5.0 | 1,500 | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | 9.4 | J | 5.0 | 29 | J | 16 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | 2.4 | J | 2.0 | 12 | J | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | 2.5 | J | 2.0 | 5.2 | J | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 15 | | 2.0 | 59 | | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 2,100 | | 40 | 8,400 | | 160 | 200 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | 49 | | 5.0 | 200 | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 2.0 | N.D. | | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |

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# Analysis Report



**Sample Description: MP 11 Grab Air**
**Summa Can# 854**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6740106**
**LLI Group # 1325767**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/30/2012 11:58 by CP

Submitted: 08/01/2012 09:20
Reported: 08/13/2012 23:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | N.D. | | 2.0 | N.D. | | 7.5 | 10 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 1,100 | | 40 | 5,800 | | 220 | 200 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 2.0 | N.D. | | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | 2.1 | J | 2.0 | 9.3 | J | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1221930AB | 08/07/2012 00:54 | Jeffrey B Smith | 10 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1221930AB | 08/07/2012 13:22 | Michael A Ziegler | 200 |

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# Analysis Report



**Sample Description:** VW 6 Grab Air
Summa Can# 513
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6740107**
**LLI Group # 1325767**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/30/2012 10:41 by CP

Submitted: 08/01/2012 09:20
Reported: 08/13/2012 23:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 23 | | 5.0 | 54 | | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 4.0 | N.D. | | 8.8 | 10 |
| 05298 | 2-Butanone | 78-93-3 | 11 | J | 5.0 | 32 | J | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 5.0 | N.D. | | 16 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 27 | | 2.0 | 110 | | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 470 | | 2.0 | 1,800 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 2.0 | N.D. | | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | 2.0 | J | 2.0 | 14 | J | 14 | 10 |

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# Analysis Report



**Sample Description: VW 6 Grab Air**
**Summa Can# 513**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6740107**
**LLI Group # 1325767**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/30/2012 10:41 by CP

Submitted: 08/01/2012 09:20
Reported: 08/13/2012 23:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | N.D. | | 2.0 | N.D. | | 7.5 | 10 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 6.7 | J | 2.0 | 36 | J | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 24 | | 2.0 | 130 | | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 2.0 | N.D. | | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1221930AB | 08/07/2012 01:31 | Jeffrey B Smith | 10 |

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# Analysis Report



**Sample Description:** SVE 1 Grab Air
Summa Can# 196
Avery Dennison / Flowery Branch, GA

**LLI Sample #** AQ 6740108
**LLI Group #** 1325767
**Account #** 06556

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/30/2012 11:30 by CP

Submitted: 08/01/2012 09:20
Reported: 08/13/2012 23:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 1,700 | | 50 | 4,100 | | 120 | 100 |
| 05298 | Benzene | 71-43-2 | N.D. | | 20 | N.D. | | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 40 | N.D. | | 88 | 100 |
| 05298 | 2-Butanone | 78-93-3 | 280 | | 50 | 840 | | 150 | 100 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 50 | N.D. | | 160 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 20 | N.D. | | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 20 | N.D. | | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | 28 | J | 20 | 140 | J | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 20 | N.D. | | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 20 | N.D. | | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 100 | | 20 | 420 | | 81 | 100 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 20 | N.D. | | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 4,300 | | 20 | 17,000 | | 79 | 100 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | 40 | J | 20 | 170 | J | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | 340 | | 20 | 1,400 | | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | 620 | | 20 | 2,200 | | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 1,400 | | 20 | 4,900 | | 69 | 100 |
| 05298 | Octane | 111-65-9 | 190 | | 20 | 870 | | 93 | 100 |
| 05298 | Pentane | 109-66-0 | 590 | | 20 | 1,700 | | 59 | 100 |
| 05298 | Styrene | 100-42-5 | 30 | J | 20 | 130 | J | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 20 | N.D. | | 140 | 100 |

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# Analysis Report



**Sample Description:** SVE 1 Grab Air
Summa Can# 196
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6740108**
**LLI Group # 1325767**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/30/2012 11:30 by CP

Submitted: 08/01/2012 09:20
Reported: 08/13/2012 23:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 3,900 | | 20 | 15,000 | | 75 | 100 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 29,000 | | 200 | 160,000 | | 1,100 | 1000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 24 | J | 20 | 130 | J | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 20 | N.D. | | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | 180 | | 20 | 780 | | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | 76 | J | 20 | 330 | J | 87 | 100 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1221930AB | 08/07/2012 02:08 | Jeffrey B Smith | 100 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1221930AB | 08/07/2012 13:58 | Michael A Ziegler | 1000 |

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# Analysis Report



**Sample Description:** MP 03 Grab Air
Summa Can# 1036
Avery Dennison / Flowery Branch, GA

**LLI Sample #** AQ 6740109
**LLI Group #** 1325767
**Account #** 06556

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/30/2012 10:46 by CP

Submitted: 08/01/2012 09:20
Reported: 08/13/2012 23:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 4.0 | | 0.50 | 9.6 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | 0.22 | J | 0.20 | 0.70 | J | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.40 | N.D. | | 0.88 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 0.93 | J | 0.50 | 2.7 | J | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 0.72 | J | 0.50 | 2.3 | J | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 1.6 | | 0.20 | 5.6 | | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 0.20 | N.D. | | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 0.58 | J | 0.20 | 2.8 | J | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.45 | J | 0.20 | 2.2 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 7.1 | | 0.20 | 29 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 140 | | 2.0 | 570 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 0.47 | J | 0.20 | 2.0 | J | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 0.20 | N.D. | | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | 0.31 | J | 0.20 | 1.4 | J | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | N.D. | | 0.20 | N.D. | | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 2.3 | | 0.20 | 16 | | 1.4 | 1 |

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# Analysis Report



**Sample Description: MP 03 Grab Air**
**Summa Can# 1036**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6740109**
**LLI Group # 1325767**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/30/2012 10:46 by CP

Submitted: 08/01/2012 09:20
Reported: 08/13/2012 23:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 8.8 | | 0.20 | 33 | | 0.75 | 1 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 150 | | 2.0 | 840 | | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 20 | | 0.20 | 110 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 1.1 | | 0.20 | 4.9 | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 0.69 | J | 0.20 | 3.0 | J | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1221930AB | 08/07/2012 02:48 | Jeffrey B Smith | 1 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1221930AB | 08/07/2012 14:35 | Michael A Ziegler | 10 |

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# Analysis Report



**Sample Description:** SVE 3 Grab Air
Summa Can# 800
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6740110**
**LLI Group # 1325767**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/30/2012 11:37 by CP

Submitted: 08/01/2012 09:20
Reported: 08/13/2012 23:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 19 | | 0.50 | 44 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | 0.75 | J | 0.20 | 2.4 | J | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.40 | N.D. | | 0.88 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 3.9 | | 0.50 | 11 | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 1.5 | | 0.50 | 4.5 | | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 0.58 | J | 0.20 | 2.1 | J | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | 0.85 | J | 0.20 | 4.1 | J | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 0.20 | N.D. | | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.42 | J | 0.20 | 2.1 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 17 | | 0.20 | 68 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 0.22 | J | 0.20 | 0.87 | J | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 94 | | 2.0 | 370 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 0.47 | J | 0.20 | 2.0 | J | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | 0.20 | J | 0.20 | 1.4 | J | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 0.20 | N.D. | | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | 0.23 | J | 0.20 | 1.1 | J | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | N.D. | | 0.20 | N.D. | | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 0.29 | J | 0.20 | 2.0 | J | 1.4 | 1 |

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# Analysis Report



**Sample Description:** SVE 3 Grab Air
Summa Can# 800
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6740110**
**LLI Group # 1325767**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/30/2012 11:37 by CP

Submitted: 08/01/2012 09:20
Reported: 08/13/2012 23:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 2.5 | | 0.20 | 9.3 | | 0.75 | 1 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 25 | | 0.20 | 140 | | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 7.1 | | 0.20 | 40 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 0.32 | J | 0.20 | 1.6 | J | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 1.1 | | 0.20 | 4.6 | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 0.60 | J | 0.20 | 2.6 | J | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1221930AB | 08/07/2012 03:28 | Jeffrey B Smith | 1 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1221930AB | 08/07/2012 15:12 | Michael A Ziegler | 10 |

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# Analysis Report



**Sample Description:** MP 09 Grab Air
Summa Can# 876
Avery Dennison / Flowery Branch, GA

**LLI Sample #** AQ 6740111
**LLI Group #** 1325767
**Account #** 06556

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/30/2012 12:06 by CP

Submitted: 08/01/2012 09:20
Reported: 08/13/2012 23:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 110 | | 5.0 | 260 | | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 4.0 | N.D. | | 8.8 | 10 |
| 05298 | 2-Butanone | 78-93-3 | 46 | | 5.0 | 130 | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 5.0 | N.D. | | 16 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | 12 | | 2.0 | 60 | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | 2.9 | J | 2.0 | 6.0 | J | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 63 | | 2.0 | 250 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | 7.7 | J | 5.0 | 31 | J | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 2.0 | N.D. | | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |

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# Analysis Report



**Sample Description: MP 09 Grab Air**
**Summa Can# 876**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6740111**
**LLI Group # 1325767**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/30/2012 12:06 by CP

Submitted: 08/01/2012 09:20
Reported: 08/13/2012 23:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | Toluene | 108-88-3 | N.D. | 2.0 | N.D. | 7.5 | 10 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 22 | 2.0 | 120 | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 2.0 | N.D. | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 2.0 | N.D. | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 2.0 | N.D. | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 2.0 | N.D. | 8.7 | 10 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1221930AB | 08/07/2012 04:08 | Jeffrey B Smith | 10 |

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# Analysis Report



**Sample Description:** MW 65S Grab Air
Summa Can# 826
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6740112**
**LLI Group # 1325767**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/30/2012 11:21 by CP

Submitted: 08/01/2012 09:20
Reported: 08/13/2012 23:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 2,000 | J | 500 | 4,700 | J | 1,200 | 1000 |
| 05298 | Benzene | 71-43-2 | N.D. | | 200 | N.D. | | 640 | 1000 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 200 | N.D. | | 2,100 | 1000 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 200 | N.D. | | 780 | 1000 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 400 | N.D. | | 880 | 1000 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 500 | N.D. | | 1,500 | 1000 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 500 | N.D. | | 1,600 | 1000 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 200 | N.D. | | 710 | 1000 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 200 | N.D. | | 530 | 1000 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 200 | N.D. | | 410 | 1000 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 200 | N.D. | | 630 | 1000 |
| 05298 | Cumene | 98-82-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 200 | N.D. | | 1,700 | 1000 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 200 | N.D. | | 1,500 | 1000 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 200 | N.D. | | 990 | 1000 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 270 | J | 200 | 1,100 | J | 810 | 1000 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 200 | N.D. | | 810 | 1000 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 210,000 | | 4,000 | 840,000 | | 16,000 | 20000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 200 | N.D. | | 840 | 1000 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 200 | N.D. | | 870 | 1000 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 500 | N.D. | | 3,800 | 1000 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Heptane | 142-82-5 | 230 | J | 200 | 930 | J | 820 | 1000 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 200 | N.D. | | 1,900 | 1000 |
| 05298 | Hexane | 110-54-3 | 430 | J | 200 | 1,500 | J | 700 | 1000 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 200 | N.D. | | 720 | 1000 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Methylene Chloride | 75-09-2 | 1,200 | | 200 | 4,200 | | 690 | 1000 |
| 05298 | Octane | 111-65-9 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Pentane | 109-66-0 | 270 | J | 200 | 790 | J | 590 | 1000 |
| 05298 | Styrene | 100-42-5 | N.D. | | 200 | N.D. | | 850 | 1000 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 200 | N.D. | | 1,400 | 1000 |

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# Analysis Report



**Sample Description: MW 65S Grab Air**
**Summa Can# 826**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6740112**
**LLI Group # 1325767**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/30/2012 11:21 by CP

Submitted: 08/01/2012 09:20
Reported: 08/13/2012 23:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | Toluene | 108-88-3 | N.D. | 200 | N.D. | 750 | 1000 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 24,000 | 200 | 130,000 | 1,100 | 1000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 200 | N.D. | 1,200 | 1000 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 200 | N.D. | 980 | 1000 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 200 | N.D. | 980 | 1000 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 200 | N.D. | 510 | 1000 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 200 | N.D. | 870 | 1000 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 200 | N.D. | 870 | 1000 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1221930AB | 08/07/2012 04:45 | Jeffrey B Smith | 1000 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1221930AC | 08/07/2012 20:56 | Michael A Ziegler | 20000 |

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# Analysis Report



**Sample Description:** MP 07 Grab Air
Summa Can# 863
Avery Dennison / Flowery Branch, GA

**LLI Sample #** AQ 6740113
**LLI Group #** 1325767
**Account #** 06556

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/30/2012 11:06 by CP

Submitted: 08/01/2012 09:20
Reported: 08/13/2012 23:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | Acetone | 67-64-1 | N.D. | 5.0 | N.D. | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | 2.0 | N.D. | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | 2.0 | N.D. | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | 2.0 | N.D. | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | 2.0 | N.D. | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | 2.0 | N.D. | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | 4.0 | N.D. | 8.8 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | 5.0 | N.D. | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | 5.0 | N.D. | 16 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | 2.0 | N.D. | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | 2.0 | N.D. | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | 2.0 | N.D. | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | 2.0 | N.D. | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | 2.0 | N.D. | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | 2.0 | N.D. | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | 2.0 | N.D. | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | 2.0 | N.D. | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | 2.0 | N.D. | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 2.0 | N.D. | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 2.0 | N.D. | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 2.0 | N.D. | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | 2.0 | N.D. | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 15 | 2.0 | 59 | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | 2.0 | N.D. | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 580 | 2.0 | 2,300 | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | 2.0 | N.D. | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 2.0 | N.D. | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | 2.0 | N.D. | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | 2.0 | N.D. | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | 2.0 | N.D. | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | 2.0 | N.D. | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | 2.0 | N.D. | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | 5.0 | N.D. | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | 2.0 | N.D. | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | 2.0 | N.D. | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | 2.0 | N.D. | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | 2.0 | N.D. | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | 5.0 | N.D. | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | 2.0 | N.D. | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | 2.0 | N.D. | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | N.D. | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | 2.0 | N.D. | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | 2.0 | N.D. | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | 2.0 | N.D. | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | 2.0 | N.D. | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | 2.0 | N.D. | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | 2.0 | N.D. | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | 2.0 | N.D. | 14 | 10 |

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# Analysis Report



**Sample Description: MP 07 Grab Air**
**Summa Can# 863**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6740113**
**LLI Group # 1325767**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/30/2012 11:06 by CP

Submitted: 08/01/2012 09:20
Reported: 08/13/2012 23:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 57 | | 2.0 | 220 | | 7.5 | 10 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 290 | | 2.0 | 1,600 | | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 17 | | 2.0 | 94 | | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 2.0 | N.D. | | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | 5.0 | J | 2.0 | 22 | J | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | 2.8 | J | 2.0 | 12 | J | 8.7 | 10 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1221930AB | 08/07/2012 05:22 | Jeffrey B Smith | 10 |

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# Analysis Report



**Sample Description:** SVE 6 Grab Air
Summa Can# 537
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6740114**
**LLI Group # 1325767**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/30/2012 10:55 by CP

Submitted: 08/01/2012 09:20
Reported: 08/13/2012 23:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 8.6 | J | 5.0 | 20 | J | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 4.0 | N.D. | | 8.8 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 5.0 | N.D. | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 5.0 | N.D. | | 16 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 41 | | 2.0 | 160 | | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 670 | | 2.0 | 2,700 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 2.0 | N.D. | | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |

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# Analysis Report



**Sample Description:** SVE 6 Grab Air
Summa Can# 537
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6740114**
**LLI Group # 1325767**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/30/2012 10:55 by CP

Submitted: 08/01/2012 09:20
Reported: 08/13/2012 23:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 14 | 2.0 | 55 | 7.5 | 10 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 830 | 4.0 | 4,500 | 22 | 20 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 26 | 2.0 | 140 | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 2.0 | N.D. | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 2.0 | N.D. | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 2.0 | N.D. | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 2.0 | N.D. | 8.7 | 10 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1221930AB | 08/07/2012 05:59 | Jeffrey B Smith | 10 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1221930AC | 08/07/2012 21:38 | Michael A Ziegler | 20 |

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# Analysis Report



**Sample Description: MP 06 Grab Air**
**Summa Can# 838**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6740115**
**LLI Group # 1325767**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/30/2012 11:01 by CP

Submitted: 08/01/2012 09:20
Reported: 08/13/2012 23:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | N.D. | | 5.0 | N.D. | | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 4.0 | N.D. | | 8.8 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 5.0 | N.D. | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 5.0 | N.D. | | 16 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 3.9 | J | 2.0 | 16 | J | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 210 | | 2.0 | 830 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 2.0 | N.D. | | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |

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# Analysis Report



**Sample Description: MP 06 Grab Air**
**Summa Can# 838**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6740115**
**LLI Group # 1325767**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/30/2012 11:01 by CP

Submitted: 08/01/2012 09:20
Reported: 08/13/2012 23:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 3.6 | J | 2.0 | 14 | J | 7.5 | 10 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 41 | | 2.0 | 230 | | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 23 | | 2.0 | 130 | | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 2.0 | N.D. | | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | 3.5 | J | 2.0 | 15 | J | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1221930AB | 08/07/2012 06:36 | Jeffrey B Smith | 10 |

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# Analysis Report



**Sample Description:** MP 10 Grab Air
Summa Can# 12
Avery Dennison / Flowery Branch, GA

**LLI Sample #** AQ 6740116
**LLI Group #** 1325767
**Account #** 06556

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/30/2012 11:46 by CP

Submitted: 08/01/2012 09:20
Reported: 08/13/2012 23:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 12 | | 0.50 | 29 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | 0.80 | J | 0.20 | 2.6 | J | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | 0.24 | J | 0.20 | 1.5 | J | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.40 | N.D. | | 0.88 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 6.7 | | 0.50 | 20 | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 0.73 | J | 0.50 | 2.3 | J | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | 0.21 | J | 0.20 | 0.99 | J | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 0.20 | N.D. | | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | 2.4 | | 0.20 | 12 | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 0.48 | J | 0.20 | 0.99 | J | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 0.81 | J | 0.20 | 4.0 | J | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | 1.0 | | 0.20 | 6.2 | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | 1.1 | | 0.20 | 6.5 | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | 1.0 | | 0.20 | 6.0 | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.40 | J | 0.20 | 2.0 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 5.7 | | 0.20 | 23 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 3.9 | | 0.20 | 16 | | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 2.8 | | 0.20 | 12 | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | 0.55 | J | 0.20 | 2.7 | J | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | 0.30 | J | 0.20 | 1.1 | J | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | 1.7 | J | 0.50 | 6.9 | J | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 0.20 | N.D. | | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | 0.92 | J | 0.20 | 4.3 | J | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.25 | J | 0.20 | 0.73 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | 0.58 | J | 0.20 | 2.5 | J | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 0.32 | J | 0.20 | 2.1 | J | 1.4 | 1 |

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# Analysis Report



**Sample Description: MP 10 Grab Air**
**Summa Can# 12**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6740116**
**LLI Group # 1325767**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/30/2012 11:46 by CP

Submitted: 08/01/2012 09:20
Reported: 08/13/2012 23:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 1.7 | | 0.20 | 6.2 | | 0.75 | 1 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 18 | | 0.20 | 100 | | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | 0.21 | J | 0.20 | 1.1 | J | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 0.24 | J | 0.20 | 1.4 | J | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 0.86 | J | 0.20 | 4.2 | J | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | 0.61 | J | 0.20 | 3.0 | J | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 6.0 | | 0.20 | 26 | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 3.5 | | 0.20 | 15 | | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1221930AC | 08/07/2012 22:15 | Michael A Ziegler | 1 |

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# Analysis Report



**Sample Description:** MP 02 Grab Air
Summa Can# 534
Avery Dennison / Flowery Branch, GA

**LLI Sample #** AQ 6740117
**LLI Group #** 1325767
**Account #** 06556

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/30/2012 11:54 by CP

Submitted: 08/01/2012 09:20
Reported: 08/13/2012 23:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 2,700 | | 50 | 6,300 | | 120 | 100 |
| 05298 | Benzene | 71-43-2 | N.D. | | 20 | N.D. | | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 40 | N.D. | | 88 | 100 |
| 05298 | 2-Butanone | 78-93-3 | 2,200 | | 50 | 6,300 | | 150 | 100 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 50 | N.D. | | 160 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 95 | J | 20 | 340 | J | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 20 | N.D. | | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 20 | N.D. | | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 20 | N.D. | | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 39 | J | 20 | 160 | J | 81 | 100 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 20 | N.D. | | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 1,300 | | 20 | 5,200 | | 79 | 100 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | 28 | J | 20 | 120 | J | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | 110 | | 20 | 470 | | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | 150 | | 20 | 540 | | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | 120 | J | 50 | 500 | J | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 220 | | 20 | 760 | | 69 | 100 |
| 05298 | Octane | 111-65-9 | 67 | J | 20 | 310 | J | 93 | 100 |
| 05298 | Pentane | 109-66-0 | 140 | | 20 | 410 | | 59 | 100 |
| 05298 | Styrene | 100-42-5 | 68 | J | 20 | 290 | J | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 20 | N.D. | | 140 | 100 |

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# Analysis Report



**Sample Description: MP 02 Grab Air**
**Summa Can# 534**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6740117**
**LLI Group # 1325767**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/30/2012 11:54 by CP

Submitted: 08/01/2012 09:20
Reported: 08/13/2012 23:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 81 | J | 20 | 310 | J | 75 | 100 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 540 | | 20 | 2,900 | | 110 | 100 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 33 | J | 20 | 160 | J | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 20 | N.D. | | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | 54 | J | 20 | 240 | J | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 20 | N.D. | | 87 | 100 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1221930AC | 08/07/2012 22:55 | Michael A Ziegler | 100 |

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# Analysis Report



**Sample Description:** SVE 2 Grab Air
Summa Can# 832
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6740118**
**LLI Group # 1325767**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/30/2012 11:34 by CP

Submitted: 08/01/2012 09:20
Reported: 08/13/2012 23:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 11 | J | 5.0 | 26 | J | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 4.0 | N.D. | | 8.8 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 5.0 | N.D. | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 5.0 | N.D. | | 16 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 140 | | 2.0 | 550 | | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 2,000 | | 20 | 8,000 | | 79 | 100 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | 6.1 | J | 2.0 | 27 | J | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | 4.6 | J | 2.0 | 16 | J | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | 2.7 | J | 2.0 | 18 | J | 14 | 10 |

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# Analysis Report



**Sample Description:** SVE 2 Grab Air
Summa Can# 832
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6740118**
**LLI Group # 1325767**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/30/2012 11:34 by CP

Submitted: 08/01/2012 09:20
Reported: 08/13/2012 23:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 1,000 | | 20 | 3,800 | | 75 | 100 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 970 | | 20 | 5,300 | | 110 | 100 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | 2.6 | J | 2.0 | 14 | J | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 4.4 | J | 2.0 | 25 | J | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 2.0 | N.D. | | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | 27 | | 2.0 | 120 | | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | 14 | | 2.0 | 60 | | 8.7 | 10 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1221930AC | 08/07/2012 23:35 | Michael A Ziegler | 10 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1222130AA | 08/08/2012 18:20 | Florida A Cimino | 100 |

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# Analysis Report



**Sample Description:** MP 08 Grab Air
Summa Can# 49
Avery Dennison / Flowery Branch, GA

**LLI Sample #** AQ 6740119
**LLI Group #** 1325767
**Account #** 06556

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/30/2012 11:17 by CP

Submitted: 08/01/2012 09:20
Reported: 08/13/2012 23:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | N.D. | | 5.0 | N.D. | | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 4.0 | N.D. | | 8.8 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 5.0 | N.D. | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 5.0 | N.D. | | 16 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 2.1 | J | 2.0 | 8.6 | J | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 370 | | 2.0 | 1,500 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 2.0 | N.D. | | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |

**Sample Description: MP 08 Grab Air**
**Summa Can# 49**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6740119**
**LLI Group # 1325767**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/30/2012 11:17 by CP

Submitted: 08/01/2012 09:20
Reported: 08/13/2012 23:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 2.6 | J | 2.0 | 9.6 | J | 7.5 | 10 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 110 | | 2.0 | 610 | | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 26 | | 2.0 | 150 | | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 2.0 | N.D. | | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1221930AC | 08/08/2012 00:12 | Michael A Ziegler | 10 |

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# Analysis Report



**Sample Description:** SVE 7 Grab Air
Summa Can# 531
Avery Dennison / Flowery Branch, GA

**LLI Sample #** AQ 6740120
**LLI Group #** 1325767
**Account #** 06556

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/30/2012 12:02 by CP

Submitted: 08/01/2012 09:20
Reported: 08/13/2012 23:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 170 | | 5.0 | 400 | | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 4.0 | N.D. | | 8.8 | 10 |
| 05298 | 2-Butanone | 78-93-3 | 180 | | 5.0 | 520 | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 5.0 | N.D. | | 16 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | 5.1 | J | 2.0 | 25 | J | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 720 | | 20 | 2,900 | | 79 | 100 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 2.0 | N.D. | | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |

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# Analysis Report



**Sample Description:** SVE 7 Grab Air
Summa Can# 531
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6740120**
**LLI Group # 1325767**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 07/30/2012 12:02 by CP

Submitted: 08/01/2012 09:20
Reported: 08/13/2012 23:16

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | Toluene | 108-88-3 | N.D. | 2.0 | N.D. | 7.5 | 10 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 1,200 | 20 | 6,400 | 110 | 100 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 2.0 | N.D. | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 2.0 | N.D. | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 2.0 | N.D. | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 2.0 | N.D. | 8.7 | 10 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1222130AA | 08/08/2012 19:10 | Florida A Cimino | 10 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | A1222130AB | 08/09/2012 17:05 | Michael A Ziegler | 100 |

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# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1325767
Reported: 08/13/12 at 11:16 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

## Laboratory Compliance Quality Control

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: A1221230AB | Sample number(s): 6740098-6740102 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 94 | 94 | 67-138 | 1 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 100 | 95 | 70-130 | 6 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 109 | 104 | 70-138 | 4 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 111 | 111 | 71-150 | 0 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 106 | 108 | 70-130 | 1 | 25 |
| 1,3-Butadiene | N.D. | 0.40 | ppb(v) | 102 | 98 | 60-135 | 4 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 102 | 97 | 66-129 | 5 | 25 |
| Carbon Disulfide | N.D. | 0.50 | ppb(v) | 87 | 87 | 56-106 | 0 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 115 | 113 | 70-130 | 2 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 101 | 97 | 70-130 | 4 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 105 | 105 | 71-129 | 0 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 109 | 106 | 70-130 | 2 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 109 | 98 | 58-129 | 10 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 101 | 96 | 68-138 | 5 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 104 | 100 | 71-135 | 4 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 103 | 99 | 71-143 | 4 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 106 | 98 | 68-136 | 8 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 106 | 97 | 67-140 | 9 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 117 | 117 | 72-140 | 0 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 103 | 104 | 66-126 | 1 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 105 | 100 | 70-130 | 5 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 93 | 89 | 64-117 | 4 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 104 | 104 | 69-120 | 1 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 98 | 92 | 67-121 | 6 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 96 | 95 | 70-130 | 2 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 97 | 94 | 67-134 | 3 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 114 | 107 | 67-134 | 6 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 100 | 94 | 70-130 | 7 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 95 | 89 | 69-135 | 8 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 91 | 88 | 67-115 | 3 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 111 | 108 | 66-120 | 3 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 92 | 88 | 60-125 | 4 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 98 | 98 | 62-120 | 0 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 95 | 87 | 54-166 | 9 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 102 | 101 | 64-124 | 1 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 93 | 88 | 61-145 | 5 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 91 | 90 | 70-130 | 1 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1325767
Reported: 08/13/12 at 11:16 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 101 | 97 | 70-139 | 4 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 98 | 96 | 67-145 | 2 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 109 | 102 | 70-130 | 7 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 100 | 96 | 70-130 | 4 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 117 | 113 | 70-130 | 3 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 104 | 98 | 68-128 | 6 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 103 | 99 | 70-130 | 3 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 117 | 117 | 70-130 | 0 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 96 | 91 | 69-138 | 6 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 101 | 96 | 71-142 | 5 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 110 | 113 | 70-130 | 3 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 101 | 95 | 70-130 | 6 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 104 | 103 | 70-130 | 2 | 25 |
| Batch number: A1221930AB | Sample number(s): 6740102-6740115 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 81 | 82 | 67-138 | 2 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 84 | 87 | 70-130 | 3 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 90 | 91 | 70-138 | 1 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 85 | 88 | 71-150 | 3 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 86 | 83 | 70-130 | 4 | 25 |
| 1,3-Butadiene | N.D. | 0.40 | ppb(v) | 79 | 76 | 60-135 | 3 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 83 | 87 | 66-129 | 5 | 25 |
| Carbon Disulfide | N.D. | 0.50 | ppb(v) | 65 | 67 | 56-106 | 2 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 79 | 83 | 70-130 | 4 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 85 | 82 | 70-130 | 4 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 90 | 88 | 71-129 | 2 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 81 | 81 | 70-130 | 1 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 90 | 80 | 58-129 | 11 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 81 | 84 | 68-138 | 4 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 85 | 86 | 71-135 | 1 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 103 | 99 | 71-143 | 4 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 94 | 96 | 68-136 | 2 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 101 | 100 | 67-140 | 1 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 84 | 85 | 72-140 | 1 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 83 | 86 | 66-126 | 3 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 86 | 87 | 70-130 | 2 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 73 | 72 | 64-117 | 2 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 81 | 79 | 69-120 | 2 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 80 | 80 | 67-121 | 0 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 84 | 88 | 70-130 | 5 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 82 | 83 | 67-134 | 1 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 92 | 95 | 67-134 | 3 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 81 | 83 | 70-130 | 2 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 82 | 86 | 69-135 | 5 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 72 | 76 | 67-115 | 5 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 85 | 84 | 66-120 | 2 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 82 | 85 | 60-125 | 4 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1325767
Reported: 08/13/12 at 11:16 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Hexane | N.D. | 0.20 | ppb(v) | 77 | 80 | 62-120 | 3 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 106 | 110 | 54-166 | 3 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 77 | 80 | 64-124 | 4 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 103 | 105 | 61-145 | 1 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 75 | 75 | 70-130 | 0 | 25 |
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 89 | 89 | 70-139 | 0 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 88 | 87 | 67-145 | 1 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 77 | 79 | 70-130 | 2 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 80 | 80 | 70-130 | 1 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 84 | 83 | 70-130 | 1 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 84 | 86 | 68-128 | 1 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 82 | 86 | 70-130 | 5 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 90 | 86 | 70-130 | 4 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 97 | 94 | 69-138 | 3 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 89 | 88 | 71-142 | 1 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 82 | 82 | 70-130 | 1 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 81 | 81 | 70-130 | 0 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 87 | 84 | 70-130 | 3 | 25 |
| Batch number: A1221930AC | Sample number(s): 6740112,6740114,6740116-6740119 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 81 | 82 | 67-138 | 2 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 84 | 87 | 70-130 | 3 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 90 | 91 | 70-138 | 1 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 85 | 88 | 71-150 | 3 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 86 | 83 | 70-130 | 4 | 25 |
| 1,3-Butadiene | N.D. | 0.40 | ppb(v) | 79 | 76 | 60-135 | 3 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 83 | 87 | 66-129 | 5 | 25 |
| Carbon Disulfide | N.D. | 0.50 | ppb(v) | 65 | 67 | 56-106 | 2 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 79 | 83 | 70-130 | 4 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 85 | 82 | 70-130 | 4 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 90 | 88 | 71-129 | 2 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 81 | 81 | 70-130 | 1 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 90 | 80 | 58-129 | 11 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 81 | 84 | 68-138 | 4 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 85 | 86 | 71-135 | 1 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 103 | 99 | 71-143 | 4 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 94 | 96 | 68-136 | 2 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 101 | 100 | 67-140 | 1 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 84 | 85 | 72-140 | 1 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 83 | 86 | 66-126 | 3 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 86 | 87 | 70-130 | 2 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 73 | 72 | 64-117 | 2 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 81 | 79 | 69-120 | 2 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 80 | 80 | 67-121 | 0 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 84 | 88 | 70-130 | 5 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 82 | 83 | 67-134 | 1 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 92 | 95 | 67-134 | 3 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1325767
Reported: 08/13/12 at 11:16 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 81 | 83 | 70-130 | 2 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 82 | 86 | 69-135 | 5 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 72 | 76 | 67-115 | 5 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 85 | 84 | 66-120 | 2 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 82 | 85 | 60-125 | 4 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 77 | 80 | 62-120 | 3 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 106 | 110 | 54-166 | 3 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 77 | 80 | 64-124 | 4 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 103 | 105 | 61-145 | 1 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 75 | 75 | 70-130 | 0 | 25 |
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 89 | 89 | 70-139 | 0 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 88 | 87 | 67-145 | 1 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 77 | 79 | 70-130 | 2 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 80 | 80 | 70-130 | 1 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 84 | 83 | 70-130 | 1 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 84 | 86 | 68-128 | 1 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 82 | 86 | 70-130 | 5 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 90 | 86 | 70-130 | 4 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 97 | 94 | 69-138 | 3 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 89 | 88 | 71-142 | 1 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 82 | 82 | 70-130 | 1 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 81 | 81 | 70-130 | 0 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 87 | 84 | 70-130 | 3 | 25 |
| Batch number: A1222130AA | Sample number(s): 6740118,6740120 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 80 | 89 | 67-138 | 12 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 76 | 85 | 70-130 | 12 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 84 | 93 | 70-138 | 11 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 76 | 83 | 71-150 | 8 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 82 | 89 | 70-130 | 8 | 25 |
| 1,3-Butadiene | N.D. | 0.40 | ppb(v) | 78 | 83 | 60-135 | 7 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 82 | 91 | 66-129 | 11 | 25 |
| Carbon Disulfide | N.D. | 0.50 | ppb(v) | 65 | 71 | 56-106 | 10 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 78 | 90 | 70-130 | 14 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 74 | 81 | 70-130 | 9 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 87 | 93 | 71-129 | 7 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 79 | 84 | 70-130 | 6 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 89 | 95 | 58-129 | 6 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 73 | 78 | 68-138 | 6 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 79 | 85 | 71-135 | 8 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 91 | 99 | 71-143 | 8 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 87 | 94 | 68-136 | 7 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 92 | 96 | 67-140 | 5 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 83 | 88 | 72-140 | 6 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 80 | 88 | 66-126 | 9 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 80 | 91 | 70-130 | 12 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 74 | 82 | 64-117 | 10 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1325767
Reported: 08/13/12 at 11:16 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 77 | 87 | 69-120 | 12 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 79 | 87 | 67-121 | 10 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 79 | 88 | 70-130 | 11 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 76 | 79 | 67-134 | 5 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 87 | 93 | 67-134 | 6 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 75 | 80 | 70-130 | 6 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 77 | 85 | 69-135 | 11 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 72 | 84 | 67-115 | 15 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 83 | 87 | 66-120 | 5 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 77 | 85 | 60-125 | 9 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 78 | 84 | 62-120 | 7 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 93 | 103 | 54-166 | 10 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 77 | 85 | 64-124 | 10 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 92 | 106 | 61-145 | 14 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 75 | 82 | 70-130 | 9 | 25 |
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 78 | 86 | 70-139 | 10 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 80 | 88 | 67-145 | 10 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 72 | 77 | 70-130 | 7 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 73 | 77 | 70-130 | 6 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 80 | 91 | 70-130 | 13 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 79 | 81 | 68-128 | 3 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 77 | 86 | 70-130 | 11 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 87 | 94 | 70-130 | 8 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 87 | 96 | 69-138 | 10 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 82 | 91 | 71-142 | 10 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 84 | 89 | 70-130 | 6 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 74 | 76 | 70-130 | 3 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 80 | 86 | 70-130 | 8 | 25 |
| Batch number: A1222130AB | Sample number(s): 6740120 | | | | | | | |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 74 | 82 | 64-117 | 10 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 80 | 91 | 70-130 | 13 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Summa Canister Field Test Data/Chain of Custody

eurofins | Lancaster Laboratories

Acct. # 6556 Group # 1325767 For Lancaster Laboratories use only Sample # 674098-120 Bottle Order (SCR) # 125588

Instructions on reverse side correspond with circled numbers.

## (1) Client Information

Client: Johnson Co
Account #:
Project Name/#: Flowery Branch SVE
Project Manager: Todd Hall
P.O. #:
Sampler: Calvin Pruitt
Quote #:
Name of state where samples were collected: GA

## (3) Turnaround Time Requested (TAT) (circle one)

Standard Rush (specify) _____

## (4) Data Package Required?

Yes No

## (5) EDD Required?

Yes No

| | Temperature (F) | | Pressure ("Hg) | |
|---|---|---|---|---|
| | Start | Stop | Start | Stop |
| Ambient | | | | |
| Maximum | | | | |
| Minimum | | | | |

## (6) Analyses Requested

EPA TO - 15 | EPA 18 ☐ MTBE ☐ BTEX | EPA 25 (select range below) | Helium as tracer | O2/CO2 | Library Search

## (2) Sample Identification

| Sample Identification | Sample Collection Date | Time Start (24 hr clock) | Time Stop (24 hr clock) | Canister Pressure in Field ("Hg) (Start) | Canister Pressure in Field ("Hg) (Stop) | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Flow Reg. ID | Can ID | Can Size (L) | Controller Flowrate (ml/min) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MP 05 | 7/30/12 | 10:30 | | | | | | — | 848 | 6 | — |
| Undiluted | 7/30/12 | 12:11 | | | | | | — | 527 | 6 | — |
| VW 3 | 7/30/12 | 11:49 | | | | | | — | 886 | 6 | — |
| MP 04 | 7/30/12 | 10:35 | | | | | | — | 123 | 6 | — |
| MW 64 | 7/30/12 | 11:25 | | | | | | — | 113 | 6 | — |
| SVE 4 | 7/30/12 | 11:41 | | | | | | — | 110 | 6 | — |
| SVE 5 ~~SVE 6~~ KAK 8350 per label + T. Hall. | 7/30/12 | 10:50 | | | | | | — | 532 | 6 | — |
| VW 5 | 7/30/12 | 11:12 | | | | | | — | 812 | 6 | — |
| MP 11 | 7/30/12 | 11:58 | | | | | | — | 854 | 6 | — |
| VW 6 | 7/30/12 | 10:41 | | | | | | — | 513 | 6 | — |
| SVE 1 | 7/30/12 | 11:30 | | | | | | — | 196 | 6 | — |

## (7) Instructions/QC Requirements & Comments

**EPA 25** (check one) ☐ C1 - C4 ☐ C2 - C10 ☐ C1 - C10 ☐ C4 - C10 (GRO) ☐ C2 - C4

| Canisters Shipped by: | Date/Time: | Canisters Received by: | Date/Time | Relinquished by: | Date/Time | Received by: | Date/Time: (8) |
|---|---|---|---|---|---|---|---|
| CRST | 7/23/12 12:30 | CP | 7/30/12 | | | | |
| Relinquished by: CS | Date/Time: 7/30/12 | Received by: UPS | Date/Time: 7/30/12 | Relinquished by: | Date/Time: | Received by: | Date/Time: |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Relinquished by: | Date/Time: | Received by: [illegible] | Date/Time: 8/1/12 0920 |

# Summa Canister Field Test Data/Chain of Custody

eurofins | Lancaster Laboratories

Acct. # 6556 Group # 1325767 For Lancaster Laboratories use only Sample # 6740098-120 Bottle Order (SCR) # 125

Instructions on reverse side correspond with circled numbers.

## (1) Client Information

Client: Johnson Co

Account #:

Project Name/#: Flaney Branch SVE

Project Manager: Todd Hall

P.O. #:

Sampler: Calvin Pruitt

Quote #:

Name of state where samples were collected: GA

## (3) Turnaround Time Requested (TAT) (circle one)

Standard Rush (specify) _____

## (4) Data Package Required?

Yes No

## (5) EDD Required?

Yes No

| | Temperature (F) | | Pressure ("Hg) | |
|---|---|---|---|---|
| | Start | Stop | Start | Stop |
| Ambient | | | | |
| Maximum | | | | |
| Minimum | | | | |

## (6) Analyses Requested

EPA TO - 15; EPA 18 ☐ MTBE ☐ BTEX; EPA 25 (select range below); Helium as tracer; O2/CO2; Library Search

## (2) Sample Identification

| Sample Identification | Sample Collection Date | Time Start (24 hr clock) | Time Stop (24 hr clock) | Canister Pressure in Field ("Hg) (Start) | Canister Pressure in Field ("Hg) (Stop) | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Flow Reg. ID | Can ID | Can Size (L) | Controller Flowrate (ml/min) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MP 03 | 7/30/12 | 10:46 | | | | | | — | 1436 | 6 | — |
| SVE 3 | 7/30/12 | 11:37 | | | | | | — | 800 | 6 | — |
| MP 09 | 7/30/12 | 12:06 | | | | | | — | 876 | 6 | — |
| MW 605 | 7/30/12 | 11:21 | | | | | | — | 826 | 6 | — |
| MP 07 | 7/30/12 | 11:06 | | | | | | — | 863 | 6 | — |
| SVE 6 | 7/30/12 | 10:55 | | | | | | — | 537 | 6 | — |
| MP 06 | 7/30/12 | 11:01 | | | | | | — | 838 | 6 | — |
| MP 10 | 7/30/12 | 11:46 | | | | | | — | 12 | 6 | — |
| MP 02 | 7/30/12 | 11:54 | | | | | | — | 534 | 6 | — |
| SVE 2 | 7/30/12 | 11:34 | | | | | | — | 832 | 6 | — |
| MP 08 | 7/30/12 | 11:17 | | | | | | — | 49 | 6 | — |

## (7) Instructions/QC Requirements & Comments

**EPA 25** (check one) ☐ C1 - C4 ☐ C2 - C10 ☐ C1 - C10 ☐ C4 - C10 (GRO) ☐ C2 - C4

| Canisters Shipped by: | Date/Time: | Canisters Received by: | Date/Time | Relinquished by: | Date/Time | Received by: | Date/Time: (8) |
|---|---|---|---|---|---|---|---|
| CDS | 7-31-12 2035 | | | | | | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Relinquished by: | Date/Time: | Received by: | Date/Time: |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Relinquished by: | Date/Time: | Received by: Victoria Hall | Date/Time: 8/1/12 0920 |

# Summa Canister Field Test Data/Chain of Custody

eurofins | Lancaster Laboratories

Acct. # 6556 Group # 1325767 For Lancaster Laboratories use only Sample # 674009S - 120 Bottle Order (SCR) # 125588

Instructions on reverse side correspond with circled numbers.

## (1) Client Information

Client: Johnson Co
Account #:
Project Name/#: Flowery Branch SVE
Project Manager: Todd Wahl
P.O. #:
Sampler: Calvin Pruitt
Quote #:
Name of state where samples were collected: GA

## (3) Turnaround Time Requested (TAT) (circle one)

Standard Rush (specify) _____

## (4) Data Package Required?

Yes No

## (5) EDD Required?

Yes No

| | Temperature (F) | | Pressure ("Hg) | |
|---|---|---|---|---|
| | Start | Stop | Start | Stop |
| Ambient | | | | |
| Maximum | | | | |
| Minimum | | | | |

## (6) Analyses Requested

EPA TO - 15 | EPA 18 | ☐ BTEX ☐ MTBE | EPA 25 (select range below) | Helium as tracer | O2/CO2 | Library Search

## (2) Sample Identification

| Sample Identification | Sample Collection Date | Time Start (24 hr clock) | Time Stop (24 hr clock) | Canister Pressure in Field ("Hg) (Start) | Canister Pressure in Field ("Hg) (Stop) | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Flow Reg. ID | Can ID | Can Size (L) | Controller Flowrate (ml/min) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SVE 7 | 7/30/12 | 12:02 | | | | | | — | 531 | 6 | — |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

## (7) Instructions/QC Requirements & Comments

**EPA 25** (check one) ☐ C1 - C4 ☐ C2 - C10 ☐ C1 - C10 ☐ C4 - C10 (GRO) ☐ C2 - C4

| Canisters Shipped by: | Date/Time: | Canisters Received by: | Date/Time | Relinquished by: | Date/Time | Received by: | Date/Time: (8) |
|---|---|---|---|---|---|---|---|
| GBF | 7-23-12 2238 | | | | | | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Relinquished by: | Date/Time: | Received by: | Date/Time: |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Relinquished by: | Date/Time: | Received by: Deborah Veal | Date/Time: 8/1/12 0920 |

**Kathy Klinefelter**

**From:** Todd Hall [TAH@jcomail.com]
**Sent:** Monday, August 06, 2012 5:04 PM
**To:** Kathy Klinefelter
**Cc:** Patrick Smart; Joel Behrsing
**Subject:** RE: 1325767 - Sample ID discrepancy noted.

Kathy,

I spoke with Joel and he confirmed your proposed changes are correct. The operator's field form confirms that the sample times are correct, SVE 6 was collected in summa #537, and SVE 5 was collected in summa #532. Please make your proposed changes and proceed with sample processing.

Thanks,

Todd Hall, P.E.
Senior Engineer
The Johnson Company
100 State Street, Suite 600
Montpelier, Vermont 05602
tel: 802.229.4600
cel: 802.249.9072
fax: 802.229.5876
e-mail: thall@jcomail.com
www.johnsonco.com

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**From:** Kathy Klinefelter [mailto:KKlinefelter@lancasterlabs.com]
**Sent:** Monday, August 06, 2012 4:13 PM
**To:** Todd Hall
**Subject:** FW: 1325767 - Sample ID discrepancy noted.

Hi Todd,

Have you had a chance to look into this?

Thanks,
Kathy

**From:** Kathy Klinefelter
**Sent:** Friday, August 03, 2012 5:47 PM
**To:** 'Todd Hall'
**Cc:** Wendy Kozma
**Subject:** 1325767 - Sample ID discrepancy noted.

<<1325767c.pdf>> <<1325767d.pdf>>

Hello Todd,

Please see the attached COC and sample receipt doc log. 2 locations were marked on the COC as SVE 6, but the label on the summa can for the sample collected at 1050 identified the sample as SVE 5.

Please confirm that the following collection information is correct.

SVE 5 was collected 7/30/12 at 1050 as per the label. We will amend the COC to change the sample ID from SVE 6 to SVE 5.

SVE 6 was collected 7/30/12 at 1055 as per the label and COC. No change needed.

Thanks,

Kathy Klinefelter
Principal Project Manager, Environmental Client Services

Eurofins Lancaster Laboratories, Inc.
2425 New Holland Pike
Lancaster, PA 17601
Phone: 717-556-7256
Fax: 717-656-6766

Website: www.LancasterLabsEnv.com

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# Environmental Sample Administration
# Receipt Documentation Log

**Client/Project:** Johnson Co

**Date of Receipt:** 8/1/12

**Time of Receipt:** 0920

**Source Code:** 60-1

**Shipping Container Sealed:** (YES) NO

**Custody Seal Present * :** YES (NO)

* Custody seal was intact unless otherwise noted in the discrepancy section

**Package:** Chilled (Not Chilled)

Temperature of Shipping Containers

| Cooler # | Thermometer ID | Temperature (°C) | Temp Bottle (TB) or Surface Temp (ST) | Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP) | Ice Present? Y/N | Loose (L) Bagged Ice (B) or NA | Comments |
|---|---|---|---|---|---|---|---|
| 1 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |

**Number of Trip Blanks received NOT listed on chain of custody:** Ø

**Paperwork Discrepancy/Unpacking Problems:**

+ 2 Flow Controllers + Rods

SVE 6 = SVE 5 on Label

**Unpacker Signature/Emp#:** Darlene 208 **Date/Time:** 8/1/12 0940

Issued by Dept. 6042 Management

2174.06

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# Explanation of Symbols and Abbreviations

*The following defines common symbols and abbreviations used in reporting technical data:*

| | | | |
|---|---|---|---|
| **RL** | Reporting Limit | **BMQL** | Below Minimum Quantitation Level |
| **N.D.** | none detected | **MPN** | Most Probable Number |
| **TNTC** | Too Numerous To Count | **CP Units** | cobalt-chloroplatinate units |
| **IU** | International Units | **NTU** | nephelometric turbidity units |
| **umhos/cm** | micromhos/cm | **ng** | nanogram(s) |
| **C** | degrees Celsius | **F** | degrees Fahrenheit |
| **meq** | milliequivalents | **lb.** | pound(s) |
| **g** | gram(s) | **kg** | kilogram(s) |
| **µg** | microgram(s) | **mg** | milligram(s) |
| **mL** | milliliter(s) | **L** | liter(s) |
| **m3** | cubic meter(s) | **µL** | microliter(s) |
| | | **pg/L** | picogram/liter |

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

*Data Qualifiers:*

**C –** result confirmed by reanalysis.

**J -** estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

*U.S. EPA CLP Data Qualifiers:*

| **Organic Qualifiers** | | **Inorganic Qualifiers** | |
|---|---|---|---|
| **A** | TIC is a possible aldol-condensation product | **B** | Value is <CRDL, but ≥IDL |
| **B** | Analyte was also detected in the blank | **E** | Estimated due to interference |
| **C** | Pesticide result confirmed by GC/MS | **M** | Duplicate injection precision not met |
| **D** | Compound quantitated on a diluted sample | **N** | Spike sample not within control limits |
| **E** | Concentration exceeds the calibration range of the instrument | **S** | Method of standard additions (MSA) used for calculation |
| **N** | Presumptive evidence of a compound (TICs only) | **U** | Compound was not detected |
| **P** | Concentration difference between primary and confirmation columns >25% | **W** | Post digestion spike out of control limits |
| **U** | Compound was not detected | ***** | Duplicate analysis not within control limits |
| **X,Y,Z** | Defined in case narrative | **+** | Correlation coefficient for MSA <0.995 |

**Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.**

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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# Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

October 15, 2012

Project: Avery Dennison / Flowery Branch, GA

Submittal Date: 10/03/2012
Group Number: 1339635
PO Number: 1-0145-4
State of Sample Origin: GA

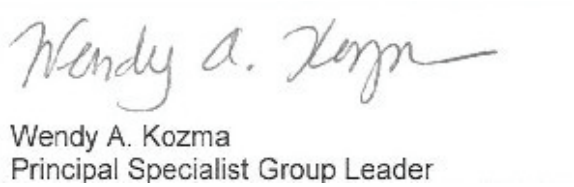
| Client Sample Description | Lancaster Labs (LLI) # |
|---|---|
| MP 02 Summa Can 1033 Grab Air | 6810554 |
| MP 03 Summa Can 1022 Grab Air | 6810555 |
| MP 04 Summa Can 895 Grab Air | 6810556 |
| MP 05 Summa Can 1028 Grab Air | 6810557 |
| MP 06 Summa Can 800 Grab Air | 6810558 |
| MP 07 Summa Can 848 Grab Air | 6810559 |
| MP 08 Summa Can 1084 Grab Air | 6810560 |
| MP 09 Summa Can 823 Grab Air | 6810561 |
| MP 10 Summa Can 113 Grab Air | 6810562 |
| MP 11 Summa Can 849 Grab Air | 6810563 |
| VW 3 Summa Can 1038 Grab Air | 6810564 |
| VW 5 Summa Can 882 Grab Air | 6810565 |
| VW 6 Summa Can 539 Grab Air | 6810566 |
| MW 64 Summa Can 844 Grab Air | 6810567 |
| MW 65S Summa Can 1109 Grab Air | 6810568 |
| SVE 1 Summa Can 1105 Grab Air | 6810569 |
| SVE 2 Summa Can 524 Grab Air | 6810570 |
| SVE 3 Summa Can 069 Grab Air | 6810571 |
| SVE 4 Summa Can 888 Grab Air | 6810572 |
| SVE 5 Summa Can 897 Grab Air | 6810573 |
| SVE 6 Summa Can 514 Grab Air | 6810574 |
| SVE 7 Summa Can 061 Grab Air | 6810575 |
| Undiluted Summa Can 531 Grab Air | 6810576 |

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

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ELECTRONIC COPY TO The Johnson Company, Inc. Attn: Todd Hall

Respectfully Submitted,



Wendy A. Kozma
Principal Specialist Group Leader

(717) 556-7257

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# Analysis Report



**Sample Description: MP 02 Summa Can 1033 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6810554**
**LLI Group # 1339635**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/28/2012 11:50 by CP

Submitted: 10/03/2012 11:30
Reported: 10/15/2012 21:08

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 370 | | 5.0 | 870 | | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | 280 | | 5.0 | 820 | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | 16 | | 5.0 | 49 | | 16 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | 5.9 | J | 2.0 | 29 | J | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | 3.0 | J | 2.0 | 6.2 | J | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 110 | | 2.0 | 450 | | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 2,000 | | 40 | 7,900 | | 160 | 200 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | 13 | J | 5.0 | 53 | J | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 2.0 | N.D. | | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | 12 | | 2.0 | 36 | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | 2.5 | J | 2.0 | 17 | J | 14 | 10 |
| 05298 | Toluene | 108-88-3 | N.D. | | 2.0 | N.D. | | 7.5 | 10 |

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# Analysis Report



**Sample Description: MP 02 Summa Can 1033 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6810554**
**LLI Group # 1339635**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/28/2012 11:50 by CP

Submitted: 10/03/2012 11:30
Reported: 10/15/2012 21:08

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 550 | 2.0 | 3,000 | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 2.0 | N.D. | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | 17 | 2.0 | 44 | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 2.0 | N.D. | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 2.0 | N.D. | 8.7 | 10 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1228230AB | 10/09/2012 00:39 | Michael A Ziegler | 10 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1228230AB | 10/09/2012 12:59 | Michael A Ziegler | 200 |

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# Analysis Report



**Sample Description: MP 03 Summa Can 1022 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6810555**
**LLI Group # 1339635**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/28/2012 10:28 by CP

Submitted: 10/03/2012 11:30
Reported: 10/15/2012 21:08

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 11 | | 0.50 | 25 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | N.D. | | 0.20 | N.D. | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 2.2 | | 0.50 | 6.4 | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 1.7 | | 0.50 | 5.3 | | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 2.0 | | 0.20 | 7.0 | | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 0.20 | N.D. | | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.61 | J | 0.20 | 3.0 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 8.5 | | 0.20 | 35 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 190 | | 2.0 | 750 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | 0.26 | J | 0.20 | 0.92 | J | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 0.40 | J | 0.20 | 1.4 | J | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 1.5 | | 0.20 | 4.5 | | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 2.6 | | 0.20 | 18 | | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 19 | | 0.20 | 70 | | 0.75 | 1 |

**Sample Description: MP 03 Summa Can 1022 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6810555**
**LLI Group # 1339635**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/28/2012 10:28 by CP

Submitted: 10/03/2012 11:30
Reported: 10/15/2012 21:08

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 210 | | 2.0 | 1,200 | | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 12 | | 0.20 | 67 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | 0.21 | J | 0.20 | 0.53 | J | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 0.32 | J | 0.20 | 1.4 | J | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 0.23 | J | 0.20 | 0.98 | J | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1228230AB | 10/09/2012 01:27 | Michael A Ziegler | 1 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1228230AB | 10/09/2012 09:19 | Michael A Ziegler | 10 |

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# Analysis Report



**Sample Description: MP 04 Summa Can 895 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6810556**
**LLI Group # 1339635**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/28/2012 10:16 by CP

Submitted: 10/03/2012 11:30
Reported: 10/15/2012 21:08

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 7.1 | | 0.50 | 17 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | N.D. | | 0.20 | N.D. | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 2.0 | | 0.50 | 5.9 | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 0.50 | N.D. | | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 2.3 | | 0.20 | 8.1 | | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | 0.29 | J | 0.20 | 0.78 | J | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 0.36 | J | 0.20 | 0.73 | J | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 0.35 | J | 0.20 | 1.7 | J | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.57 | J | 0.20 | 2.8 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 0.22 | J | 0.20 | 0.91 | J | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 1.6 | | 0.20 | 6.2 | | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | 0.35 | J | 0.20 | 1.2 | J | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 0.20 | J | 0.20 | 0.70 | J | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.34 | J | 0.20 | 1.0 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 0.30 | J | 0.20 | 2.0 | J | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 0.24 | J | 0.20 | 0.90 | J | 0.75 | 1 |

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# Analysis Report



**Sample Description: MP 04 Summa Can 895 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6810556**
**LLI Group # 1339635**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/28/2012 10:16 by CP

Submitted: 10/03/2012 11:30
Reported: 10/15/2012 21:08

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 0.44 | J | 0.20 | 2.4 | J | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 13 | | 0.20 | 74 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1228230AB | 10/09/2012 02:15 | Michael A Ziegler | 1 |

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# Analysis Report



**Sample Description: MP 05 Summa Can 1028 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6810557**
**LLI Group # 1339635**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/28/2012 10:11 by CP

Submitted: 10/03/2012 11:30
Reported: 10/15/2012 21:08

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 12 | | 0.50 | 28 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | N.D. | | 0.20 | N.D. | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 2.7 | | 0.50 | 8.1 | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 11 | | 0.50 | 34 | | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 2.3 | | 0.20 | 8.1 | | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 0.43 | J | 0.20 | 0.89 | J | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 0.91 | J | 0.20 | 4.5 | J | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | 0.28 | J | 0.20 | 1.7 | J | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | 0.26 | J | 0.20 | 1.6 | J | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | 0.28 | J | 0.20 | 1.7 | J | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.61 | J | 0.20 | 3.0 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 12 | | 0.20 | 47 | | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 0.66 | J | 0.20 | 2.9 | J | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | 0.55 | J | 0.20 | 1.9 | J | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 0.23 | J | 0.20 | 0.81 | J | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.42 | J | 0.20 | 1.3 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 0.59 | J | 0.20 | 4.0 | J | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 1.2 | | 0.20 | 4.5 | | 0.75 | 1 |

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# Analysis Report



**Sample Description: MP 05 Summa Can 1028 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6810557**
**LLI Group # 1339635**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/28/2012 10:11 by CP

Submitted: 10/03/2012 11:30
Reported: 10/15/2012 21:08

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 11 | | 0.20 | 59 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 0.29 | J | 0.20 | 1.4 | J | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | 0.23 | J | 0.20 | 1.1 | J | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 1.9 | | 0.20 | 8.4 | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 1.2 | | 0.20 | 5.0 | | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1228230AB | 10/09/2012 03:03 | Michael A Ziegler | 1 |

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# Analysis Report



**Sample Description: MP 06 Summa Can 800 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6810558**
**LLI Group # 1339635**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/28/2012 10:46 by CP

Submitted: 10/03/2012 11:30
Reported: 10/15/2012 21:08

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 6.7 | | 0.50 | 16 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | 0.27 | J | 0.20 | 0.86 | J | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 1.0 | J | 0.50 | 3.0 | J | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 0.50 | N.D. | | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 2.0 | | 0.20 | 7.1 | | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 0.32 | J | 0.20 | 0.65 | J | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 0.21 | J | 0.20 | 1.0 | J | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | 0.30 | J | 0.20 | 1.8 | J | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | 0.28 | J | 0.20 | 1.7 | J | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | 0.31 | J | 0.20 | 1.8 | J | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.57 | J | 0.20 | 2.8 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 4.6 | | 0.20 | 19 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 150 | | 2.0 | 600 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 0.97 | J | 0.20 | 4.2 | J | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | 0.76 | J | 0.20 | 2.7 | J | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 0.27 | J | 0.20 | 0.92 | J | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | 0.21 | J | 0.20 | 0.97 | J | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.34 | J | 0.20 | 0.99 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 4.0 | | 0.20 | 15 | | 0.75 | 1 |

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# Analysis Report



**Sample Description: MP 06 Summa Can 800 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6810558**
**LLI Group # 1339635**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/28/2012 10:46 by CP

Submitted: 10/03/2012 11:30
Reported: 10/15/2012 21:08

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 27 | | 0.20 | 150 | | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 14 | | 0.20 | 80 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 0.36 | J | 0.20 | 1.8 | J | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | 0.20 | J | 0.20 | 1.0 | J | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 2.8 | | 0.20 | 12 | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 1.5 | | 0.20 | 6.5 | | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1228230AB | 10/09/2012 03:51 | Michael A Ziegler | 1 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1228230AB | 10/09/2012 10:03 | Michael A Ziegler | 10 |

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# Analysis Report



**Sample Description: MP 07 Summa Can 848 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6810559**
**LLI Group # 1339635**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/28/2012 10:52 by CP

Submitted: 10/03/2012 11:30
Reported: 10/15/2012 21:08

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 11 | | 0.50 | 25 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | 0.29 | J | 0.20 | 0.94 | J | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 2.2 | | 0.50 | 6.6 | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 0.68 | J | 0.50 | 2.1 | J | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 1.9 | | 0.20 | 6.8 | | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 0.37 | J | 0.20 | 0.77 | J | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 0.23 | J | 0.20 | 1.1 | J | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.54 | J | 0.20 | 2.7 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 15 | | 0.20 | 62 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 0.65 | J | 0.20 | 2.6 | J | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 640 | | 4.0 | 2,600 | | 16 | 20 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 0.75 | J | 0.20 | 3.3 | J | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | 0.97 | J | 0.20 | 3.4 | J | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 1.4 | | 0.20 | 4.8 | | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.50 | J | 0.20 | 1.5 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 0.39 | J | 0.20 | 2.6 | J | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 33 | | 0.20 | 120 | | 0.75 | 1 |

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# Analysis Report



**Sample Description: MP 07 Summa Can 848 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6810559**
**LLI Group # 1339635**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/28/2012 10:52 by CP

Submitted: 10/03/2012 11:30
Reported: 10/15/2012 21:08

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 190 | | 4.0 | 1,100 | | 22 | 20 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | 0.27 | J | 0.20 | 1.4 | J | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | 0.43 | J | 0.20 | 2.3 | J | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 14 | | 0.20 | 78 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 3.5 | | 0.20 | 15 | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 1.5 | | 0.20 | 6.4 | | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1228230AB | 10/09/2012 04:39 | Michael A Ziegler | 1 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1228230AB | 10/09/2012 10:47 | Michael A Ziegler | 20 |

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# Analysis Report



**Sample Description: MP 08 Summa Can 1084 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6810560**
**LLI Group # 1339635**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/28/2012 10:59 by CP

Submitted: 10/03/2012 11:30
Reported: 10/15/2012 21:08

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 4.3 | | 0.50 | 10 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | N.D. | | 0.20 | N.D. | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 1.2 | J | 0.50 | 3.5 | J | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 0.50 | N.D. | | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 1.8 | | 0.20 | 6.2 | | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 0.25 | J | 0.20 | 0.53 | J | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 0.64 | J | 0.20 | 3.1 | J | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.56 | J | 0.20 | 2.8 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 2.2 | | 0.20 | 8.9 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 0.29 | J | 0.20 | 1.2 | J | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 280 | | 2.0 | 1,100 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 0.32 | J | 0.20 | 1.4 | J | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | 0.69 | J | 0.20 | 2.4 | J | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 1.2 | | 0.20 | 4.0 | | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.38 | J | 0.20 | 1.1 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 3.4 | | 0.20 | 13 | | 0.75 | 1 |

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# Analysis Report



**Sample Description: MP 08 Summa Can 1084 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6810560**
**LLI Group # 1339635**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/28/2012 10:59 by CP

Submitted: 10/03/2012 11:30
Reported: 10/15/2012 21:08

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 83 | | 2.0 | 450 | | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | 0.30 | J | 0.20 | 1.6 | J | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 13 | | 0.20 | 72 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 0.86 | J | 0.20 | 3.8 | J | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 0.49 | J | 0.20 | 2.1 | J | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1228230AB | 10/09/2012 05:27 | Michael A Ziegler | 1 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1228230AB | 10/09/2012 11:30 | Michael A Ziegler | 10 |

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# Analysis Report



**Sample Description: MP 09 Summa Can 823 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6810561**
**LLI Group # 1339635**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/28/2012 12:05 by CP

Submitted: 10/03/2012 11:30
Reported: 10/15/2012 21:08

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 37 | | 0.50 | 87 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | N.D. | | 0.20 | N.D. | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 14 | | 0.50 | 43 | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 1.0 | | 0.50 | 3.2 | | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 0.29 | J | 0.20 | 1.0 | J | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | 0.20 | J | 0.20 | 0.54 | J | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | 5.1 | | 0.20 | 25 | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 0.74 | J | 0.20 | 1.5 | J | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 0.56 | J | 0.20 | 2.8 | J | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | 0.42 | J | 0.20 | 2.5 | J | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.52 | J | 0.20 | 2.6 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 2.0 | | 0.20 | 8.1 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 130 | | 2.0 | 500 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | 0.25 | J | 0.20 | 0.98 | J | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | 0.20 | J | 0.20 | 0.72 | J | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | 2.5 | | 0.50 | 10 | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 0.23 | J | 0.20 | 0.81 | J | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.49 | J | 0.20 | 1.4 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | 0.29 | J | 0.20 | 1.2 | J | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 0.98 | J | 0.20 | 3.7 | J | 0.75 | 1 |

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# Analysis Report



**Sample Description: MP 09 Summa Can 823 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6810561**
**LLI Group # 1339635**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/28/2012 12:05 by CP

Submitted: 10/03/2012 11:30
Reported: 10/15/2012 21:08

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 17 | | 0.20 | 92 | | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 0.36 | J | 0.20 | 2.0 | J | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 0.21 | J | 0.20 | 1.0 | J | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | 1.3 | | 0.20 | 3.2 | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 0.45 | J | 0.20 | 1.9 | J | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 0.22 | J | 0.20 | 0.97 | J | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1228230AB | 10/09/2012 06:15 | Michael A Ziegler | 1 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1228230AB | 10/09/2012 12:14 | Michael A Ziegler | 10 |

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# Analysis Report



**Sample Description: MP 10 Summa Can 113 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6810562**
**LLI Group # 1339635**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/28/2012 11:39 by CP

Submitted: 10/03/2012 11:30
Reported: 10/15/2012 21:08

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 18 | | 0.50 | 43 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | N.D. | | 0.20 | N.D. | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 8.4 | | 0.50 | 25 | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 1.5 | | 0.50 | 4.5 | | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 0.41 | J | 0.20 | 1.4 | J | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | 2.2 | | 0.20 | 11 | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 1.3 | | 0.20 | 2.7 | | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 0.41 | J | 0.20 | 2.0 | J | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | 0.30 | J | 0.20 | 1.8 | J | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.54 | J | 0.20 | 2.7 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 6.5 | | 0.20 | 26 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 7.8 | | 0.20 | 31 | | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 0.26 | J | 0.20 | 0.91 | J | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.70 | J | 0.20 | 2.1 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 0.27 | J | 0.20 | 1.0 | J | 0.75 | 1 |

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# Analysis Report



**Sample Description: MP 10 Summa Can 113 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6810562**
**LLI Group # 1339635**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/28/2012 11:39 by CP

Submitted: 10/03/2012 11:30
Reported: 10/15/2012 21:08

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 19 | | 0.20 | 110 | | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 0.41 | J | 0.20 | 2.3 | J | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1228230AB | 10/09/2012 07:03 | Michael A Ziegler | 1 |

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# Analysis Report



**Sample Description: MP 11 Summa Can 849 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6810563**
**LLI Group # 1339635**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/28/2012 11:54 by CP

Submitted: 10/03/2012 11:30
Reported: 10/15/2012 21:08

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 60 | | 5.0 | 140 | | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | 24 | | 5.0 | 72 | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | 7.4 | J | 5.0 | 23 | J | 16 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | 2.3 | J | 2.0 | 11 | J | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 21 | | 2.0 | 84 | | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 3,400 | | 20 | 13,000 | | 79 | 100 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | 7.3 | J | 5.0 | 30 | J | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 2.0 | N.D. | | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | 3.6 | J | 2.0 | 10 | J | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Toluene | 108-88-3 | N.D. | | 2.0 | N.D. | | 7.5 | 10 |

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# Analysis Report



**Sample Description: MP 11 Summa Can 849 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6810563**
**LLI Group # 1339635**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/28/2012 11:54 by CP

Submitted: 10/03/2012 11:30
Reported: 10/15/2012 21:08

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 1,300 | 20 | 7,000 | 110 | 100 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 2.0 | N.D. | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 2.0 | N.D. | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 2.0 | N.D. | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 2.0 | N.D. | 8.7 | 10 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1228230AC | 10/09/2012 19:46 | Michael A Ziegler | 10 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1228230AC | 10/10/2012 00:26 | Michael A Ziegler | 100 |

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# Analysis Report



**Sample Description:** VW 3 Summa Can 1038 Grab Air
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6810564**
**LLI Group # 1339635**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/28/2012 11:45 by CP

Submitted: 10/03/2012 11:30
Reported: 10/15/2012 21:08

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 240 | | 5.0 | 570 | | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | 46 | | 5.0 | 140 | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | 9.8 | J | 5.0 | 31 | J | 16 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | 2.3 | J | 2.0 | 11 | J | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | 3.3 | J | 2.0 | 6.8 | J | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 4.3 | J | 2.0 | 17 | J | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 350 | | 2.0 | 1,400 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 2.0 | N.D. | | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Toluene | 108-88-3 | N.D. | | 2.0 | N.D. | | 7.5 | 10 |

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# Analysis Report



**Sample Description: VW 3 Summa Can 1038 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6810564**
**LLI Group # 1339635**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/28/2012 11:45 by CP

Submitted: 10/03/2012 11:30
Reported: 10/15/2012 21:08

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 160 | 2.0 | 890 | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 2.0 | N.D. | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 2.0 | N.D. | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 2.0 | N.D. | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 2.0 | N.D. | 8.7 | 10 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1228230AC | 10/09/2012 20:30 | Michael A Ziegler | 10 |

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# Analysis Report



**Sample Description: VW 5 Summa Can 882 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6810565**
**LLI Group # 1339635**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/28/2012 10:53 by CP

Submitted: 10/03/2012 11:30
Reported: 10/15/2012 21:08

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 990 | | 50 | 2,300 | | 120 | 100 |
| 05298 | Benzene | 71-43-2 | N.D. | | 20 | N.D. | | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 50 | N.D. | | 110 | 100 |
| 05298 | 2-Butanone | 78-93-3 | 190 | J | 50 | 560 | J | 150 | 100 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 50 | N.D. | | 160 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 20 | N.D. | | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 20 | N.D. | | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 20 | N.D. | | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 20 | N.D. | | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 880 | | 20 | 3,500 | | 81 | 100 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 28 | J | 20 | 110 | J | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 41,000 | | 400 | 160,000 | | 1,600 | 2000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 20 | N.D. | | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | N.D. | | 20 | N.D. | | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | 71 | J | 20 | 250 | J | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 240 | | 20 | 840 | | 69 | 100 |
| 05298 | Octane | 111-65-9 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Pentane | 109-66-0 | 190 | | 20 | 550 | | 59 | 100 |
| 05298 | Styrene | 100-42-5 | 43 | J | 20 | 180 | J | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Toluene | 108-88-3 | 99 | J | 20 | 370 | J | 75 | 100 |

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# Analysis Report



**Sample Description: VW 5 Summa Can 882 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6810565**
**LLI Group # 1339635**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/28/2012 10:53 by CP

Submitted: 10/03/2012 11:30
Reported: 10/15/2012 21:08

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 6,600 | | 20 | 36,000 | | 110 | 100 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | 66 | J | 20 | 360 | J | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 20 | N.D. | | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | 26 | J | 20 | 110 | J | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 20 | N.D. | | 87 | 100 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1228230AC | 10/09/2012 21:18 | Michael A Ziegler | 100 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1228230AC | 10/10/2012 10:06 | Michael A Ziegler | 2000 |

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# Analysis Report



**Sample Description:** VW 6 Summa Can 539 Grab Air
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6810566**
**LLI Group # 1339635**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/28/2012 10:22 by CP

Submitted: 10/03/2012 11:30
Reported: 10/15/2012 21:08

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 24 | | 0.50 | 58 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | 0.39 | J | 0.20 | 1.2 | J | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 9.7 | | 0.50 | 29 | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 0.83 | J | 0.50 | 2.6 | J | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 2.2 | | 0.20 | 7.7 | | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | 0.39 | J | 0.20 | 1.9 | J | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 0.47 | J | 0.20 | 0.96 | J | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 0.24 | J | 0.20 | 1.2 | J | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.65 | J | 0.20 | 3.2 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 22 | | 0.20 | 88 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 0.51 | J | 0.20 | 2.1 | J | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 300 | | 2.0 | 1,200 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | 1.2 | | 0.20 | 4.2 | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 0.63 | J | 0.20 | 2.2 | J | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.70 | J | 0.20 | 2.1 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 2.8 | | 0.20 | 19 | | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 3.1 | | 0.20 | 12 | | 0.75 | 1 |

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# Analysis Report



**Sample Description: VW 6 Summa Can 539 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6810566**
**LLI Group # 1339635**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/28/2012 10:22 by CP

Submitted: 10/03/2012 11:30
Reported: 10/15/2012 21:08

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 8.2 | | 0.20 | 45 | | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 15 | | 0.20 | 83 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | 0.23 | J | 0.20 | 0.58 | J | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 0.82 | J | 0.20 | 3.6 | J | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 0.39 | J | 0.20 | 1.7 | J | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1228230AC | 10/09/2012 22:06 | Michael A Ziegler | 1 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1228230AC | 10/10/2012 10:50 | Michael A Ziegler | 10 |

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# Analysis Report



**Sample Description: MW 64 Summa Can 844 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6810567**
**LLI Group # 1339635**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/28/2012 11:12 by CP

Submitted: 10/03/2012 11:30
Reported: 10/15/2012 21:08

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 580 | J | 500 | 1,400 | J | 1,200 | 1000 |
| 05298 | Benzene | 71-43-2 | N.D. | | 200 | N.D. | | 640 | 1000 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 200 | N.D. | | 2,100 | 1000 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 200 | N.D. | | 780 | 1000 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 500 | N.D. | | 1,100 | 1000 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 500 | N.D. | | 1,500 | 1000 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 500 | N.D. | | 1,600 | 1000 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 200 | N.D. | | 710 | 1000 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 200 | N.D. | | 530 | 1000 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 200 | N.D. | | 410 | 1000 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 200 | N.D. | | 630 | 1000 |
| 05298 | Cumene | 98-82-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 200 | N.D. | | 1,700 | 1000 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 200 | N.D. | | 1,500 | 1000 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 200 | N.D. | | 990 | 1000 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 2,200 | | 200 | 8,900 | | 810 | 1000 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 200 | N.D. | | 810 | 1000 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 69,000 | | 200 | 280,000 | | 790 | 1000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 200 | N.D. | | 840 | 1000 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 200 | N.D. | | 870 | 1000 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 500 | N.D. | | 3,800 | 1000 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Heptane | 142-82-5 | N.D. | | 200 | N.D. | | 820 | 1000 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 200 | N.D. | | 1,900 | 1000 |
| 05298 | Hexane | 110-54-3 | N.D. | | 200 | N.D. | | 700 | 1000 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 200 | N.D. | | 720 | 1000 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Methylene Chloride | 75-09-2 | 450 | J | 200 | 1,600 | J | 690 | 1000 |
| 05298 | Octane | 111-65-9 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Pentane | 109-66-0 | 280 | J | 200 | 820 | J | 590 | 1000 |
| 05298 | Styrene | 100-42-5 | N.D. | | 200 | N.D. | | 850 | 1000 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Toluene | 108-88-3 | N.D. | | 200 | N.D. | | 750 | 1000 |

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# Analysis Report



**Sample Description: MW 64 Summa Can 844 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6810567**
**LLI Group # 1339635**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/28/2012 11:12 by CP

Submitted: 10/03/2012 11:30
Reported: 10/15/2012 21:08

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 32,000 | 200 | 180,000 | 1,100 | 1000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 200 | N.D. | 1,200 | 1000 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 200 | N.D. | 980 | 1000 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 200 | N.D. | 980 | 1000 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 200 | N.D. | 510 | 1000 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 200 | N.D. | 870 | 1000 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 200 | N.D. | 870 | 1000 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1228230AC | 10/09/2012 22:50 | Michael A Ziegler | 1000 |

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# Analysis Report



**Sample Description: MW 65S Summa Can 1109 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6810568**
**LLI Group # 1339635**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/28/2012 11:06 by CP

Submitted: 10/03/2012 11:30
Reported: 10/15/2012 21:08

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 740 | J | 500 | 1,800 | J | 1,200 | 1000 |
| 05298 | Benzene | 71-43-2 | N.D. | | 200 | N.D. | | 640 | 1000 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 200 | N.D. | | 2,100 | 1000 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 200 | N.D. | | 780 | 1000 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 500 | N.D. | | 1,100 | 1000 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 500 | N.D. | | 1,500 | 1000 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 500 | N.D. | | 1,600 | 1000 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 200 | N.D. | | 710 | 1000 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 200 | N.D. | | 530 | 1000 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 200 | N.D. | | 410 | 1000 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 200 | N.D. | | 630 | 1000 |
| 05298 | Cumene | 98-82-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 200 | N.D. | | 1,700 | 1000 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 200 | N.D. | | 1,500 | 1000 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 200 | N.D. | | 990 | 1000 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 330 | J | 200 | 1,400 | J | 810 | 1000 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 200 | N.D. | | 810 | 1000 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 190,000 | | 4,000 | 750,000 | | 16,000 | 20000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 200 | N.D. | | 840 | 1000 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 200 | N.D. | | 870 | 1000 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 500 | N.D. | | 3,800 | 1000 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Heptane | 142-82-5 | N.D. | | 200 | N.D. | | 820 | 1000 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 200 | N.D. | | 1,900 | 1000 |
| 05298 | Hexane | 110-54-3 | N.D. | | 200 | N.D. | | 700 | 1000 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 200 | N.D. | | 720 | 1000 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Methylene Chloride | 75-09-2 | 390 | J | 200 | 1,300 | J | 690 | 1000 |
| 05298 | Octane | 111-65-9 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Pentane | 109-66-0 | 220 | J | 200 | 660 | J | 590 | 1000 |
| 05298 | Styrene | 100-42-5 | N.D. | | 200 | N.D. | | 850 | 1000 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Toluene | 108-88-3 | N.D. | | 200 | N.D. | | 750 | 1000 |

**Sample Description: MW 65S Summa Can 1109 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6810568**
**LLI Group # 1339635**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/28/2012 11:06 by CP

Submitted: 10/03/2012 11:30
Reported: 10/15/2012 21:08

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 25,000 | 200 | 140,000 | 1,100 | 1000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 200 | N.D. | 1,200 | 1000 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 200 | N.D. | 980 | 1000 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 200 | N.D. | 980 | 1000 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 200 | N.D. | 510 | 1000 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 200 | N.D. | 870 | 1000 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 200 | N.D. | 870 | 1000 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1228430AB | 10/11/2012 01:02 | Michael A Ziegler | 1000 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1228430AB | 10/11/2012 12:23 | Michael A Ziegler | 20000 |

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# Analysis Report



**Sample Description: SVE 1 Summa Can 1105 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6810569**
**LLI Group # 1339635**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/28/2012 11:18 by CP

Submitted: 10/03/2012 11:30
Reported: 10/15/2012 21:08

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | N.D. | | 500 | N.D. | | 1,200 | 1000 |
| 05298 | Benzene | 71-43-2 | N.D. | | 200 | N.D. | | 640 | 1000 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 200 | N.D. | | 2,100 | 1000 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 200 | N.D. | | 780 | 1000 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 500 | N.D. | | 1,100 | 1000 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 500 | N.D. | | 1,500 | 1000 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 500 | N.D. | | 1,600 | 1000 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 200 | N.D. | | 710 | 1000 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 200 | N.D. | | 530 | 1000 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 200 | N.D. | | 410 | 1000 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 200 | N.D. | | 630 | 1000 |
| 05298 | Cumene | 98-82-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 200 | N.D. | | 1,700 | 1000 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 200 | N.D. | | 1,500 | 1000 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 200 | N.D. | | 990 | 1000 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | N.D. | | 200 | N.D. | | 810 | 1000 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 200 | N.D. | | 810 | 1000 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 2,500 | | 200 | 10,000 | | 790 | 1000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 200 | N.D. | | 840 | 1000 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 200 | N.D. | | 870 | 1000 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 500 | N.D. | | 3,800 | 1000 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Heptane | 142-82-5 | N.D. | | 200 | N.D. | | 820 | 1000 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 200 | N.D. | | 1,900 | 1000 |
| 05298 | Hexane | 110-54-3 | N.D. | | 200 | N.D. | | 700 | 1000 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 200 | N.D. | | 720 | 1000 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Methylene Chloride | 75-09-2 | 350 | J | 200 | 1,200 | J | 690 | 1000 |
| 05298 | Octane | 111-65-9 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Pentane | 109-66-0 | N.D. | | 200 | N.D. | | 590 | 1000 |
| 05298 | Styrene | 100-42-5 | N.D. | | 200 | N.D. | | 850 | 1000 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Toluene | 108-88-3 | 1,400 | | 200 | 5,300 | | 750 | 1000 |

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# Analysis Report



**Sample Description: SVE 1 Summa Can 1105 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6810569**
**LLI Group # 1339635**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/28/2012 11:18 by CP

Submitted: 10/03/2012 11:30
Reported: 10/15/2012 21:08

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 29,000 | 200 | 160,000 | 1,100 | 1000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 200 | N.D. | 1,200 | 1000 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 200 | N.D. | 980 | 1000 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 200 | N.D. | 980 | 1000 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 200 | N.D. | 510 | 1000 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 200 | N.D. | 870 | 1000 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 200 | N.D. | 870 | 1000 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1228430AB | 10/11/2012 01:47 | Michael A Ziegler | 1000 |

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# Analysis Report



**Sample Description: SVE 2 Summa Can 524 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6810570**
**LLI Group # 1339635**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/28/2012 11:24 by CP

Submitted: 10/03/2012 11:30
Reported: 10/15/2012 21:08

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 11 | J | 5.0 | 27 | J | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 5.0 | N.D. | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | 5.4 | J | 5.0 | 17 | J | 16 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 99 | | 2.0 | 400 | | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 1,700 | | 20 | 6,800 | | 79 | 100 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | 4.3 | J | 2.0 | 15 | J | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Toluene | 108-88-3 | 800 | | 20 | 3,000 | | 75 | 100 |

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# Analysis Report



**Sample Description: SVE 2 Summa Can 524 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6810570**
**LLI Group # 1339635**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/28/2012 11:24 by CP

Submitted: 10/03/2012 11:30
Reported: 10/15/2012 21:08

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 730 | | 2.0 | 4,000 | | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 2.0 | N.D. | | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | 9.5 | J | 2.0 | 41 | J | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | 4.2 | J | 2.0 | 18 | J | 8.7 | 10 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1228430AA | 10/10/2012 11:34 | Michael A Ziegler | 10 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1228430AB | 10/10/2012 21:18 | Michael A Ziegler | 100 |

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# Analysis Report



**Sample Description:** SVE 3 Summa Can 069 Grab Air
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6810571**
**LLI Group # 1339635**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/28/2012 11:28 by CP

Submitted: 10/03/2012 11:30
Reported: 10/15/2012 21:08

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 17 | | 0.50 | 41 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | 0.39 | J | 0.20 | 1.2 | J | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 3.0 | | 0.50 | 9.0 | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 1.3 | | 0.50 | 4.1 | | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 0.20 | N.D. | | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | 0.93 | J | 0.20 | 4.5 | J | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 0.49 | J | 0.20 | 1.0 | J | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.73 | J | 0.20 | 3.6 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 11 | | 0.20 | 44 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 53 | | 0.20 | 210 | | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | 0.32 | J | 0.20 | 1.1 | J | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 0.82 | J | 0.20 | 2.8 | J | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 1.4 | | 0.20 | 4.0 | | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 1.8 | | 0.20 | 6.7 | | 0.75 | 1 |

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# Analysis Report



**Sample Description: SVE 3 Summa Can 069 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6810571**
**LLI Group # 1339635**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/28/2012 11:28 by CP

Submitted: 10/03/2012 11:30
Reported: 10/15/2012 21:08

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 12 | | 0.20 | 63 | | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 2.9 | | 0.20 | 16 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 0.28 | J | 0.20 | 1.4 | J | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 0.53 | J | 0.20 | 2.3 | J | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 0.29 | J | 0.20 | 1.3 | J | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1228430AA | 10/10/2012 12:57 | Jeffrey B Smith | 1 |

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# Analysis Report



**Sample Description:** SVE 4 Summa Can 888 Grab Air
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6810572**
**LLI Group # 1339635**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/28/2012 11:33 by CP

Submitted: 10/03/2012 11:30
Reported: 10/15/2012 21:08

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 11 | | 0.50 | 25 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | N.D. | | 0.20 | N.D. | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 2.6 | | 0.50 | 7.8 | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 0.50 | N.D. | | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 0.92 | J | 0.20 | 3.3 | J | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | 0.60 | J | 0.20 | 2.9 | J | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 0.20 | N.D. | | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 0.21 | J | 0.20 | 1.0 | J | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.54 | J | 0.20 | 2.7 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 0.55 | J | 0.20 | 2.2 | J | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 0.20 | N.D. | | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.47 | J | 0.20 | 1.4 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 0.25 | J | 0.20 | 0.95 | J | 0.75 | 1 |

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# Analysis Report



**Sample Description: SVE 4 Summa Can 888 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6810572**
**LLI Group # 1339635**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/28/2012 11:33 by CP

Submitted: 10/03/2012 11:30
Reported: 10/15/2012 21:08

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 0.60 J | 0.20 | 3.3 J | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 0.20 | N.D. | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 0.20 | N.D. | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 4.0 | 0.20 | 23 | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 0.20 | N.D. | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 0.20 | N.D. | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 0.20 | N.D. | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 0.20 | N.D. | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 0.20 | N.D. | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 0.20 | N.D. | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1228430AA | 10/10/2012 13:45 | Jeffrey B Smith | 1 |

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# Analysis Report



**Sample Description:** SVE 5 Summa Can 897 Grab Air
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6810573**
**LLI Group # 1339635**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/28/2012 10:35 by CP

Submitted: 10/03/2012 11:30
Reported: 10/15/2012 21:08

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 10 | | 0.50 | 24 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | N.D. | | 0.20 | N.D. | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 1.1 | J | 0.50 | 3.3 | J | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 0.50 | N.D. | | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 1.8 | | 0.20 | 6.3 | | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 0.20 | N.D. | | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | 0.21 | J | 0.20 | 1.2 | J | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.57 | J | 0.20 | 2.8 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 8.3 | | 0.20 | 33 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 260 | | 2.0 | 1,000 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 0.38 | J | 0.20 | 1.7 | J | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | 0.21 | J | 0.20 | 0.73 | J | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 0.20 | J | 0.20 | 0.70 | J | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.32 | J | 0.20 | 0.95 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 0.99 | J | 0.20 | 6.7 | J | 1.4 | 1 |
| 05298 | Toluene | 108-88-3 | 1.9 | | 0.20 | 7.3 | | 0.75 | 1 |

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# Analysis Report



**Sample Description: SVE 5 Summa Can 897 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6810573**
**LLI Group # 1339635**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/28/2012 10:35 by CP

Submitted: 10/03/2012 11:30
Reported: 10/15/2012 21:08

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 48 | | 0.20 | 260 | | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 10 | | 0.20 | 57 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | 0.23 | J | 0.20 | 0.59 | J | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 1.1 | | 0.20 | 4.7 | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 0.55 | J | 0.20 | 2.4 | J | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1228430AA | 10/10/2012 14:33 | Jeffrey B Smith | 1 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1228430AB | 10/10/2012 22:02 | Michael A Ziegler | 10 |

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# Analysis Report



**Sample Description:** SVE 6 Summa Can 514 Grab Air
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6810574**
**LLI Group # 1339635**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/28/2012 10:40 by CP

Submitted: 10/03/2012 11:30
Reported: 10/15/2012 21:08

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 6.6 | J | 5.0 | 16 | J | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 5.0 | N.D. | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 5.0 | N.D. | | 16 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 26 | | 2.0 | 100 | | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 460 | | 2.0 | 1,800 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 2.0 | N.D. | | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Toluene | 108-88-3 | 5.8 | J | 2.0 | 22 | J | 7.5 | 10 |

**Sample Description: SVE 6 Summa Can 514 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6810574**
**LLI Group # 1339635**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/28/2012 10:40 by CP

Submitted: 10/03/2012 11:30
Reported: 10/15/2012 21:08

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 1,800 | 20 | 9,900 | 110 | 100 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 13 | 2.0 | 75 | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 2.0 | N.D. | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 2.0 | N.D. | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 2.0 | N.D. | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 2.0 | N.D. | 8.7 | 10 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1228430AA | 10/10/2012 15:17 | Jeffrey B Smith | 10 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1228430AB | 10/10/2012 22:50 | Michael A Ziegler | 100 |

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# Analysis Report



**Sample Description:** SVE 7 Summa Can 061 Grab Air
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6810575**
**LLI Group # 1339635**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/28/2012 12:00 by CP

Submitted: 10/03/2012 11:30
Reported: 10/15/2012 21:08

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 59 | 5.0 | 140 | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | 2.0 | N.D. | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | 2.0 | N.D. | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | 2.0 | N.D. | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | 2.0 | N.D. | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | 2.0 | N.D. | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | 5.0 | N.D. | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | 33 | 5.0 | 98 | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | 5.0 | N.D. | 16 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | 2.0 | N.D. | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | 2.0 | N.D. | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | 2.0 | N.D. | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | 2.0 | N.D. | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | 2.0 | N.D. | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | 2.0 | N.D. | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | 2.0 | N.D. | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | 2.0 | N.D. | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | 2.0 | N.D. | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 2.0 | N.D. | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 2.0 | N.D. | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 2.0 | N.D. | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | 2.0 | N.D. | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | N.D. | 2.0 | N.D. | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | 2.0 | N.D. | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 1,000 | 5.0 | 4,000 | 20 | 25 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | 2.0 | N.D. | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 2.0 | N.D. | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | 2.0 | N.D. | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | 2.0 | N.D. | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | 2.0 | N.D. | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | 2.0 | N.D. | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | 2.0 | N.D. | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | 5.0 | N.D. | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | 2.0 | N.D. | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | 2.0 | N.D. | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | 2.0 | N.D. | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | 2.0 | N.D. | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | 5.0 | N.D. | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | 2.0 | N.D. | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | 2.0 | N.D. | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | N.D. | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | 2.0 | N.D. | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | 2.0 | N.D. | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | 2.0 | N.D. | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | 2.0 | N.D. | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | 2.0 | N.D. | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | 2.0 | N.D. | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | 2.0 | N.D. | 14 | 10 |
| 05298 | Toluene | 108-88-3 | N.D. | 2.0 | N.D. | 7.5 | 10 |

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# Analysis Report



**Sample Description: SVE 7 Summa Can 061 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6810575**
**LLI Group # 1339635**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/28/2012 12:00 by CP

Submitted: 10/03/2012 11:30
Reported: 10/15/2012 21:08

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 1,300 | 5.0 | 7,400 | 27 | 25 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 2.0 | N.D. | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 2.0 | N.D. | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 2.0 | N.D. | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 2.0 | N.D. | 8.7 | 10 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1228430AB | 10/10/2012 23:34 | Michael A Ziegler | 10 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1228430AB | 10/11/2012 13:06 | Michael A Ziegler | 25 |

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# Analysis Report



**Sample Description: Undiluted Summa Can 531 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6810576**
**LLI Group # 1339635**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/28/2012 12:11 by CP

Submitted: 10/03/2012 11:30
Reported: 10/15/2012 21:08

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 5.1 | J | 5.0 | 12 | J | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 5.0 | N.D. | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 5.0 | N.D. | | 16 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 7.4 | J | 2.0 | 30 | J | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 310 | | 2.0 | 1,200 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 2.0 | N.D. | | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Toluene | 108-88-3 | 42 | | 2.0 | 160 | | 7.5 | 10 |

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# Analysis Report



**Sample Description: Undiluted Summa Can 531 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6810576**
**LLI Group # 1339635**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 09/28/2012 12:11 by CP

Submitted: 10/03/2012 11:30
Reported: 10/15/2012 21:08

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 580 | 2.0 | 3,200 | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 13 | 2.0 | 71 | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 2.0 | N.D. | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 2.0 | N.D. | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 2.0 | N.D. | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 2.0 | N.D. | 8.7 | 10 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1228430AB | 10/11/2012 00:18 | Michael A Ziegler | 10 |

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# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1339635
Reported: 10/15/12 at 09:08 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

## Laboratory Compliance Quality Control

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: D1228230AB | Sample number(s): 6810554-6810562 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 104 | 108 | 67-138 | 4 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 100 | 98 | 70-130 | 1 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 104 | 103 | 70-138 | 1 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 107 | 108 | 71-150 | 0 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 121 | 114 | 70-130 | 6 | 25 |
| 1,3-Butadiene | N.D. | 0.40 | ppb(v) | 112 | 106 | 60-135 | 5 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 93 | 98 | 66-129 | 5 | 25 |
| Carbon Disulfide | N.D. | 0.50 | ppb(v) | 98 | 95 | 56-106 | 3 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 103 | 101 | 70-130 | 2 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 96 | 96 | 70-130 | 0 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 118 | 108 | 71-129 | 9 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 96 | 95 | 70-130 | 1 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 114 | 129 | 58-129 | 12 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 103 | 102 | 68-138 | 1 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 99 | 100 | 71-135 | 1 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 100 | 101 | 71-143 | 1 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 96 | 98 | 68-136 | 1 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 97 | 98 | 67-140 | 2 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 118 | 113 | 72-140 | 4 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 99 | 99 | 66-126 | 0 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 104 | 103 | 70-130 | 0 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 112 | 108 | 64-117 | 4 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 98 | 96 | 69-120 | 1 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 108 | 103 | 67-121 | 5 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 95 | 94 | 70-130 | 1 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 98 | 98 | 67-134 | 0 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 97 | 97 | 67-134 | 1 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 103 | 103 | 70-130 | 0 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 96 | 99 | 69-135 | 4 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 102 | 96 | 67-115 | 6 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 104 | 101 | 66-120 | 4 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 98 | 98 | 60-125 | 0 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 97 | 96 | 62-120 | 1 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 79 | 83 | 54-166 | 6 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 94 | 93 | 64-124 | 1 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 80 | 84 | 61-145 | 5 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 101 | 97 | 70-130 | 4 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1339635
Reported: 10/15/12 at 09:08 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 103 | 103 | 70-139 | 1 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 103 | 105 | 67-145 | 2 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 101 | 101 | 70-130 | 1 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 101 | 101 | 70-130 | 0 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 99 | 98 | 70-130 | 1 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 104 | 104 | 68-128 | 0 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 105 | 100 | 70-130 | 4 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 125 | 122 | 70-130 | 3 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 96 | 100 | 69-138 | 4 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 99 | 102 | 71-142 | 3 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 119 | 113 | 70-130 | 6 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 111 | 110 | 70-130 | 0 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 110 | 109 | 70-130 | 1 | 25 |
| Batch number: D1228230AC | Sample number(s): 6810563-6810567 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 104 | 108 | 67-138 | 4 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 100 | 98 | 70-130 | 1 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 104 | 103 | 70-138 | 1 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 107 | 108 | 71-150 | 0 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 121 | 114 | 70-130 | 6 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 112 | 106 | 60-135 | 5 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 93 | 98 | 66-129 | 5 | 25 |
| Carbon Disulfide | N.D. | 0.50 | ppb(v) | 98 | 95 | 56-106 | 3 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 103 | 101 | 70-130 | 2 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 96 | 96 | 70-130 | 0 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 118 | 108 | 71-129 | 9 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 96 | 95 | 70-130 | 1 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 114 | 129 | 58-129 | 12 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 103 | 102 | 68-138 | 1 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 99 | 100 | 71-135 | 1 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 100 | 101 | 71-143 | 1 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 96 | 98 | 68-136 | 1 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 97 | 98 | 67-140 | 2 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 118 | 113 | 72-140 | 4 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 99 | 99 | 66-126 | 0 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 104 | 103 | 70-130 | 0 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 112 | 108 | 64-117 | 4 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 98 | 96 | 69-120 | 1 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 108 | 103 | 67-121 | 5 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 95 | 94 | 70-130 | 1 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 98 | 98 | 67-134 | 0 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 97 | 97 | 67-134 | 1 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 103 | 103 | 70-130 | 0 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 96 | 99 | 69-135 | 4 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 102 | 96 | 67-115 | 6 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 104 | 101 | 66-120 | 4 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 98 | 98 | 60-125 | 0 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1339635
Reported: 10/15/12 at 09:08 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Hexane | N.D. | 0.20 | ppb(v) | 97 | 96 | 62-120 | 1 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 79 | 83 | 54-166 | 6 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 94 | 93 | 64-124 | 1 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 80 | 84 | 61-145 | 5 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 101 | 97 | 70-130 | 4 | 25 |
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 103 | 103 | 70-139 | 1 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 103 | 105 | 67-145 | 2 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 101 | 101 | 70-130 | 1 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 101 | 101 | 70-130 | 0 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 99 | 98 | 70-130 | 1 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 104 | 104 | 68-128 | 0 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 105 | 100 | 70-130 | 4 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 125 | 122 | 70-130 | 3 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 96 | 100 | 69-138 | 4 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 99 | 102 | 71-142 | 3 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 119 | 113 | 70-130 | 6 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 111 | 110 | 70-130 | 0 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 110 | 109 | 70-130 | 1 | 25 |
| Batch number: D1228430AA | Sample number(s): 6810570-6810574 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 108 | 101 | 67-138 | 6 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 95 | 90 | 70-130 | 5 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 105 | 97 | 70-138 | 7 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 109 | 102 | 71-150 | 7 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 121 | 114 | 70-130 | 6 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 108 | 101 | 60-135 | 6 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 97 | 90 | 66-129 | 8 | 25 |
| Carbon Disulfide | N.D. | 0.50 | ppb(v) | 101 | 94 | 56-106 | 7 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 107 | 98 | 70-130 | 9 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 93 | 87 | 70-130 | 7 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 104 | 100 | 71-129 | 4 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 98 | 90 | 70-130 | 8 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 105 | 96 | 58-129 | 9 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 102 | 96 | 68-138 | 6 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 96 | 91 | 71-135 | 5 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 99 | 94 | 71-143 | 5 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 97 | 90 | 68-136 | 8 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 98 | 91 | 67-140 | 7 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 122 | 112 | 72-140 | 8 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 100 | 93 | 66-126 | 7 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 102 | 96 | 70-130 | 7 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 107 | 103 | 64-117 | 4 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 96 | 88 | 69-120 | 8 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 105 | 97 | 67-121 | 7 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 91 | 86 | 70-130 | 6 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 95 | 90 | 67-134 | 6 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 91 | 86 | 67-134 | 5 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1339635
Reported: 10/15/12 at 09:08 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 94 | 91 | 70-130 | 3 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 90 | 87 | 69-135 | 2 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 97 | 91 | 67-115 | 6 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 107 | 99 | 66-120 | 8 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 93 | 88 | 60-125 | 6 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 95 | 88 | 62-120 | 8 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 77 | 71 | 54-166 | 8 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 92 | 87 | 64-124 | 6 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 82 | 74 | 61-145 | 10 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 99 | 93 | 70-130 | 6 | 25 |
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 96 | 92 | 70-139 | 4 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 101 | 96 | 67-145 | 5 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 98 | 93 | 70-130 | 6 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 94 | 91 | 70-130 | 4 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 101 | 92 | 70-130 | 8 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 99 | 94 | 68-128 | 5 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 101 | 93 | 70-130 | 9 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 128 | 120 | 70-130 | 6 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 90 | 88 | 69-138 | 2 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 93 | 90 | 71-142 | 3 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 119 | 110 | 70-130 | 8 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 102 | 99 | 70-130 | 3 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 99 | 97 | 70-130 | 2 | 25 |
| Batch number: D1228430AB | Sample number(s): 6810568-6810570,6810573-6810576 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 108 | 101 | 67-138 | 6 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 95 | 90 | 70-130 | 5 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 105 | 97 | 70-138 | 7 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 109 | 102 | 71-150 | 7 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 121 | 114 | 70-130 | 6 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 108 | 101 | 60-135 | 6 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 97 | 90 | 66-129 | 8 | 25 |
| Carbon Disulfide | N.D. | 0.50 | ppb(v) | 101 | 94 | 56-106 | 7 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 107 | 98 | 70-130 | 9 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 93 | 87 | 70-130 | 7 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 104 | 100 | 71-129 | 4 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 98 | 90 | 70-130 | 8 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 105 | 96 | 58-129 | 9 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 102 | 96 | 68-138 | 6 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 96 | 91 | 71-135 | 5 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 99 | 94 | 71-143 | 5 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 97 | 90 | 68-136 | 8 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 98 | 91 | 67-140 | 7 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 122 | 112 | 72-140 | 8 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 100 | 93 | 66-126 | 7 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 102 | 96 | 70-130 | 7 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 107 | 103 | 64-117 | 4 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1339635
Reported: 10/15/12 at 09:08 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 96 | 88 | 69-120 | 8 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 105 | 97 | 67-121 | 7 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 91 | 86 | 70-130 | 6 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 95 | 90 | 67-134 | 6 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 91 | 86 | 67-134 | 5 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 94 | 91 | 70-130 | 3 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 90 | 87 | 69-135 | 2 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 97 | 91 | 67-115 | 6 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 107 | 99 | 66-120 | 8 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 93 | 88 | 60-125 | 6 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 95 | 88 | 62-120 | 8 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 77 | 71 | 54-166 | 8 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 92 | 87 | 64-124 | 6 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 82 | 74 | 61-145 | 10 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 99 | 93 | 70-130 | 6 | 25 |
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 96 | 92 | 70-139 | 4 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 101 | 96 | 67-145 | 5 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 98 | 93 | 70-130 | 6 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 94 | 91 | 70-130 | 4 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 101 | 92 | 70-130 | 8 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 99 | 94 | 68-128 | 5 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 101 | 93 | 70-130 | 9 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 128 | 120 | 70-130 | 6 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 90 | 88 | 69-138 | 2 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 93 | 90 | 71-142 | 3 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 119 | 110 | 70-130 | 8 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 102 | 99 | 70-130 | 3 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 99 | 97 | 70-130 | 2 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Summa Canister Field Test Data/Chain of Custody

eurofins | Lancaster Laboratories

Acct. # 6556 Group # 1339635 For Lancaster Laboratories use only Sample # 681055 4-76 Bottle Order (SCR) # _____

Instructions on reverse side correspond with circled numbers.

## (1) Client Information

Client: Johnson Control — Account #:

Project Name/#: Flowery Branch SVE — P.O. #:

Project Manager: Todd Hall — Quote #:

Sampler: Calvin Pruitt

Name of state where samples were collected: GA

## (3) Turnaround Time Requested (TAT) (circle one)

Standard — Rush (specify) _____

## (4) Data Package Required?

Yes — No

## (5) EDD Required?

Yes — No

| | Temperature (F) | | Pressure ("Hg) | |
|---|---|---|---|---|
| | Start | Stop | Start | Stop |
| Ambient | | | | |
| Maximum | | | | |
| Minimum | | | | |

## (6) Analyses Requested

| (2) Sample Identification | Sample Collection Date | Time Start (24 hr clock) | Time Stop (24 hr clock) | Canister Pressure in Field ("Hg) (Start) | Canister Pressure in Field ("Hg) (Stop) | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Flow Reg. ID | Can ID | Can Size (L) | Controller Flowrate (ml/min) | EPA TO - 15 | EPA 18 | EPA 25 (select range below) | Helium as tracer | O2/CO2 | Library Search | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MP 02 | 9/28 | 11:50 | | | | | | | 1033 | | | X | | | | | | |
| MP 03 | " | 10:28 | | | | | | | 1022 | | | X | | | | | | |
| MP 04 | " | 10:16 | | | | | | | 895 | | | X | | | | | | |
| MP 05 | " | 10:11 | | | | | | | 1028 | | | X | | | | | | |
| MP 06 | " | 10:46 | | | | | | | 800 | | | X | | | | | | |
| MP 07 | " | 10:52 | | | | | | | 848 | | | X | | | | | | |
| MP 08 | " | 10:59 | | | | | | | 1084 | | | X | | | | | | |
| MP 09 | " | 12:05 | | | | | | | 823 | | | X | | | | | | |
| MP 10 | " | 11:39 | | | | | | | 113 | | | X | | | | | | |
| MP 11 | " | 11:54 | | | | | | | 849 | | | X | | | | | | |
| VW 3 | " | 11:45 | | | | | | | 1038 | | | X | | | | | | |

## (7) Instructions/QC Requirements & Comments

**EPA 25** (check one) ☐ C1 - C4 ☐ C2 - C10 ☐ C1 - C10 ☐ C4 - C10 (GRO) ☐ .C2 - C4

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Canisters Shipped by: | Date/Time: | Canisters Received by: | Date/Time | Relinquished by: | Date/Time | Received by: | Date/Time: (8) |
| Relinquished by: Calvin Pruitt | Date/Time: 9/28 13:21pm | Received by: | Date/Time: | Relinquished by: | Date/Time: | Received by: | Date/Time: |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Relinquished by: | Date/Time: | Received by: Pat Eyler | Date/Time: 10/3/12 1138 |

# Summa Canister Field Test Data/Chain of Custody

eurofins | Lancaster Laboratories

Acct. # 6556 Group # 133963S For Lancaster Laboratories use only Sample # 681055 4-76 Bottle Order (SCR) # _____

Instructions on reverse side correspond with circled numbers.

## (1) Client Information

Client: Johnson Co — Account #:

Project Name/#: Flowery Branch SVE

Project Manager: Todd Hall — P.O. #:

Sampler: Calvin Pruitt — Quote #:

Name of state where samples were collected: GA

## (3) Turnaround Time Requested (TAT) (circle one)

(Standard) Rush (specify) _____

## (4) Data Package Required?

Yes No

## (5) EDD Required?

Yes No

| | Temperature (F) | | Pressure ("Hg) | |
|---|---|---|---|---|
| | Start | Stop | Start | Stop |
| Ambient | | | | |
| Maximum | | | | |
| Minimum | | | | |

## (6) Analyses Requested

| (2) Sample Identification | Sample Collection Date | Time Start (24 hr clock) | Time Stop (24 hr clock) | Canister Pressure in Field ("Hg) (Start) | Canister Pressure in Field ("Hg) (Stop) | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Flow Reg. ID | Can ID | Can Size (L) | Controller Flowrate (ml/min) | EPA TO - 15 | EPA 18 ☐ MTBE ☐ BTEX | EPA 25 (select range below) | Helium as tracer | O2/CO2 | Library Search | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| VW 5 | 9/28 | 10:53 | | | | | | | 882 | | | X | | | | | | |
| VW 6 | " | 10:22 | | | | | | | 539 | | | X | | | | | | |
| MW 64 | " | 11:12 | | | | | | | 844 | | | X | | | | | | |
| MW 65S | " | 11:06 | | | | | | | 1109 | | | X | | | | | | |
| SVE 1 | " | 11:18 | | | | | | | 1105 | | | X | | | | | | |
| SVE 2 | " | 11:24 | | | | | | | 524 | | | X | | | | | | |
| SVE 3 | " | 11:28 | | | | | | | 069 | | | X | | | | | | |
| SVE 4 | " | 11:33 | | | | | | | 888 | | | X | | | | | | |
| SVE 5 | " | 10:35 | | | | | | | 897 | | | X | | | | | | |
| SVE 6 | " | 10:40 | | | | | | | 514 | | | X | | | | | | |
| SVE 7 | " | 12:00 | | | | | | | 061 | | | X | | | | | | |

## (7) Instructions/QC Requirements & Comments

**EPA 25** (check one) ☐ C1 - C4 ☐ C2 - C10 ☐ C1 - C10 ☐ C4 - C10 (GRO) ☐ C2 - C4

| Canisters Shipped by: | Date/Time: | Canisters Received by: | Date/Time | Relinquished by: | Date/Time | Received by: | Date/Time: (8) |
|---|---|---|---|---|---|---|---|
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Relinquished by: | Date/Time: | Received by: | Date/Time: |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Relinquished by: | Date/Time: | Received by: | Date/Time: 10/3/12 1130 |

# Summa Canister Field Test Data/Chain of Custody

eurofins | Lancaster Laboratories

Acct. # 6556 Group # 1334635 For Lancaster Laboratories use only Sample # 6810554-76 Bottle Order (SCR) # _____

Instructions on reverse side correspond with circled numbers.

**(1) Client Information**

Client: Johnson Company — Account #:

Project Name/#: Flowery Branch SVE

Project Manager: Todd Hall — P.O. #:

Sampler: Calvin Pruitt — Quote #:

Name of state where samples were collected: GA

**(3) Turnaround Time Requested (TAT)** (circle one)

Standard — Rush (specify) _____

**(4) Data Package Required?** Yes No

**(5) EDD Required?** Yes No

| | Temperature (F) | | Pressure ("Hg) | |
|---|---|---|---|---|
| | Start | Stop | Start | Stop |
| Ambient | | | | |
| Maximum | | | | |
| Minimum | | | | |

**(6) Analyses Requested**

| (2) Sample Identification | Sample Collection Date | Time Start (24 hr clock) | Time Stop (24 hr clock) | Canister Pressure in Field ("Hg) (Start) | Canister Pressure in Field ("Hg) (Stop) | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Flow Reg. ID | Can ID | Can Size (L) | Controller Flowrate (ml/min) | EPA TO - 15 | EPA 18 | EPA 25 (select range below) | Helium as tracer | O2/CO2 | Library Search | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Undiluted | 9/28 | 12:11 | | | | | | | | 531 | | X | | | | | | |
| | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |

**(7) Instructions/QC Requirements & Comments**

**EPA 25** (check one) ☐ C1 - C4 ☐ C2 - C10 ☐ C1 - C10 ☐ C4 - C10 (GRO) ☐ C2 - C4

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Canisters Shipped by: | Date/Time: | Canisters Received by: | Date/Time | Relinquished by: | Date/Time | Received by: | Date/Time: (8) |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Relinquished by: | Date/Time: | Received by: | Date/Time: |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Relinquished by: | Date/Time: | Received by: Pat Lyle | Date/Time: 10/3/12 1130 |

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Grp # 1339635

# Environmental Sample Administration Receipt Documentation Log

**Client/Project:** Johnson Company

**Date of Receipt:** 10/3/12

**Time of Receipt:** 1130

**Source Code:** SO-2

**Shipping Container Sealed:** (YES) NO

**Custody Seal Present * :** YES (NO)

* Custody seal was intact unless otherwise noted in the discrepancy section

**Package:** Chilled (Not Chilled)

| Temperature of Shipping Containers | | | | | | | |
|---|---|---|---|---|---|---|---|
| Cooler # | Thermometer ID | Temperature (°C) | Temp Bottle (TB) or Surface Temp (ST) | Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP) | Ice Present? Y/N | Loose (L) Bagged Ice (B) or NA | Comments |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |

**Number of Trip Blanks received NOT listed on chain of custody:** 0

**Paperwork Discrepancy/Unpacking Problems:**

rec'd 1 flow controller and 4 bag of swaglock tubing

**Unpacker Signature/Emp#:** Pat Gyla 3472 **Date/Time:** 10/3/12 1155

Issued by Dept. 6042 Management

2174.06

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# Explanation of Symbols and Abbreviations

*The following defines common symbols and abbreviations used in reporting technical data:*

| | | | |
|---|---|---|---|
| **RL** | Reporting Limit | **BMQL** | Below Minimum Quantitation Level |
| **N.D.** | none detected | **MPN** | Most Probable Number |
| **TNTC** | Too Numerous To Count | **CP Units** | cobalt-chloroplatinate units |
| **IU** | International Units | **NTU** | nephelometric turbidity units |
| **umhos/cm** | micromhos/cm | **ng** | nanogram(s) |
| **C** | degrees Celsius | **F** | degrees Fahrenheit |
| **meq** | milliequivalents | **lb.** | pound(s) |
| **g** | gram(s) | **kg** | kilogram(s) |
| **µg** | microgram(s) | **mg** | milligram(s) |
| **mL** | milliliter(s) | **L** | liter(s) |
| **m3** | cubic meter(s) | **µL** | microliter(s) |
| | | **pg/L** | picogram/liter |

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

*Data Qualifiers:*

**C –** result confirmed by reanalysis.

**J -** estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

*U.S. EPA CLP Data Qualifiers:*

| **Organic Qualifiers** | | **Inorganic Qualifiers** | |
|---|---|---|---|
| **A** | TIC is a possible aldol-condensation product | **B** | Value is <CRDL, but ≥IDL |
| **B** | Analyte was also detected in the blank | **E** | Estimated due to interference |
| **C** | Pesticide result confirmed by GC/MS | **M** | Duplicate injection precision not met |
| **D** | Compound quantitated on a diluted sample | **N** | Spike sample not within control limits |
| **E** | Concentration exceeds the calibration range of the instrument | **S** | Method of standard additions (MSA) used for calculation |
| **N** | Presumptive evidence of a compound (TICs only) | **U** | Compound was not detected |
| **P** | Concentration difference between primary and confirmation columns >25% | **W** | Post digestion spike out of control limits |
| **U** | Compound was not detected | ***** | Duplicate analysis not within control limits |
| **X,Y,Z** | Defined in case narrative | **+** | Correlation coefficient for MSA <0.995 |

**Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.**

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

November 13, 2012

Project: Avery Dennison / Flowery Branch, GA

Submittal Date: 11/02/2012
Group Number: 1346234
PO Number: 1-0145-4
State of Sample Origin: GA

| Client Sample Description | Lancaster Labs (LLI) # |
|---|---|
| SVE 5 Grab Air | 6845720 |
| Undiluted Grab Air | 6845721 |
| MP 03 Grab Air | 6845722 |
| MP 06 Grab Air | 6845723 |
| MP 10 Grab Air | 6845724 |
| VW 3 Grab Air | 6845725 |
| MW-65S Grab Air | 6845726 |
| VW 5 Grab Air | 6845727 |
| MW 64 Grab Air | 6845728 |
| MP 02 Grab Air | 6845729 |
| SVE 7 Grab Air | 6845730 |
| MP 09 Grab Air | 6845731 |
| SVE 4 Grab Air | 6845732 |
| SVE 1 Grab Air | 6845733 |
| SVE 3 Grab Air | 6845734 |
| MP 11 Grab Air | 6845735 |
| SVE 2 Grab Air | 6845736 |
| MP 04 Grab Air | 6845737 |
| MP 07 Grab Air | 6845738 |
| MP 08 Grab Air | 6845739 |
| MP 05 Grab Air | 6845740 |
| VW 6 Grab Air | 6845741 |
| SVE 6 Grab Air | 6845742 |

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

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2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Respectfully Submitted,



Wendy A. Kozma
Principal Specialist Group Leader

(717) 556-7257

**Sample Description:** SVE 5 Grab Air
Summa Can #328
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6845720**
**LLI Group # 1346234**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/30/2012 10:29 by CP

Submitted: 11/02/2012 09:15
Reported: 11/13/2012 18:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | N.D. | | 5.0 | N.D. | | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 5.0 | N.D. | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 5.0 | N.D. | | 16 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 7.6 | J | 2.0 | 31 | J | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 240 | | 2.0 | 930 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 2.0 | N.D. | | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |

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# Analysis Report

**Sample Description:** SVE 5 Grab Air
Summa Can #328
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6845720**
**LLI Group # 1346234**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/30/2012 10:29 by CP

Submitted: 11/02/2012 09:15
Reported: 11/13/2012 18:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | N.D. | | 2.0 | N.D. | | 7.5 | 10 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 73 | | 2.0 | 400 | | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 5.3 | J | 2.0 | 30 | J | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 2.0 | N.D. | | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1231130AA | 11/07/2012 04:21 | Michael A Ziegler | 10 |

**Sample Description: Undiluted Grab Air**
**Summa Can #860**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6845721**
**LLI Group # 1346234**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/30/2012 11:56 by CP

Submitted: 11/02/2012 09:15
Reported: 11/13/2012 18:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 14 | J | 5.0 | 34 | J | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 5.0 | N.D. | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 5.0 | N.D. | | 16 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 130 | | 2.0 | 530 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 2.0 | N.D. | | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |

**Sample Description: Undiluted Grab Air**
**Summa Can #860**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6845721**
**LLI Group # 1346234**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/30/2012 11:56 by CP

Submitted: 11/02/2012 09:15
Reported: 11/13/2012 18:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | Toluene | 108-88-3 | N.D. | 2.0 | N.D. | 7.5 | 10 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 19 | 2.0 | 100 | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 2.0 | N.D. | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 2.0 | N.D. | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 2.0 | N.D. | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 2.0 | N.D. | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 2.0 | N.D. | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 2.0 | N.D. | 8.7 | 10 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1231130AA | 11/07/2012 05:04 | Michael A Ziegler | 10 |

**Sample Description: MP 03 Grab Air**
**Summa Can #175**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6845722**
**LLI Group # 1346234**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/30/2012 10:24 by CP

Submitted: 11/02/2012 09:15
Reported: 11/13/2012 18:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | N.D. | | 5.0 | N.D. | | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 5.0 | N.D. | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 5.0 | N.D. | | 16 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 8.4 | J | 2.0 | 34 | J | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 40 | | 2.0 | 160 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | 2.0 | J | 2.0 | 7.0 | J | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | 2.4 | J | 2.0 | 16 | J | 14 | 10 |

**Sample Description: MP 03 Grab Air**
**Summa Can #175**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6845722**
**LLI Group # 1346234**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/30/2012 10:24 by CP

Submitted: 11/02/2012 09:15
Reported: 11/13/2012 18:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 11 | | 2.0 | 43 | | 7.5 | 10 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 490 | | 2.0 | 2,700 | | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 5.5 | J | 2.0 | 31 | J | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 2.0 | N.D. | | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1231130AA | 11/07/2012 05:47 | Michael A Ziegler | 10 |

**Sample Description: MP 06 Grab Air**
**Summa Can #519**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6845723**
**LLI Group # 1346234**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/30/2012 10:39 by CP

Submitted: 11/02/2012 09:15
Reported: 11/13/2012 18:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | N.D. | | 5.0 | N.D. | | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 5.0 | N.D. | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 5.0 | N.D. | | 16 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 3.8 | J | 2.0 | 15 | J | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 120 | | 2.0 | 470 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 2.0 | N.D. | | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |

**Sample Description: MP 06 Grab Air**
**Summa Can #519**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6845723**
**LLI Group # 1346234**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/30/2012 10:39 by CP

Submitted: 11/02/2012 09:15
Reported: 11/13/2012 18:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | N.D. | | 2.0 | N.D. | | 7.5 | 10 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 33 | | 2.0 | 180 | | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 4.3 | J | 2.0 | 24 | J | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 2.0 | N.D. | | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1231130AA | 11/07/2012 06:30 | Michael A Ziegler | 10 |

**Sample Description: MP 10 Grab Air**
**Summa Can #863**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6845724**
**LLI Group # 1346234**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/30/2012 11:30 by CP

Submitted: 11/02/2012 09:15
Reported: 11/13/2012 18:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 15 | | 0.50 | 34 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | 0.46 | J | 0.20 | 1.5 | J | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | 0.74 | J | 0.20 | 4.8 | J | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 1.2 | J | 0.50 | 3.6 | J | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 1.2 | | 0.50 | 3.6 | | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | 0.49 | J | 0.20 | 2.2 | J | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 0.20 | N.D. | | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | 2.1 | | 0.20 | 10 | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 0.28 | J | 0.20 | 0.58 | J | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 0.80 | J | 0.20 | 3.9 | J | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | 3.0 | | 0.20 | 18 | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | 2.8 | | 0.20 | 17 | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | 3.0 | | 0.20 | 18 | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 0.20 | N.D. | | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 5.3 | | 0.20 | 22 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 8.2 | | 0.20 | 32 | | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 6.5 | | 0.20 | 28 | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | 1.8 | | 0.20 | 8.8 | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | 0.22 | J | 0.20 | 0.92 | J | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 0.33 | J | 0.20 | 1.2 | J | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | 1.8 | | 0.20 | 8.4 | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.54 | J | 0.20 | 1.6 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | 0.78 | J | 0.20 | 3.3 | J | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 0.86 | J | 0.20 | 5.9 | J | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 0.91 | J | 0.20 | 6.2 | J | 1.4 | 1 |

**Sample Description: MP 10 Grab Air**
**Summa Can #863**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6845724**
**LLI Group # 1346234**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/30/2012 11:30 by CP

Submitted: 11/02/2012 09:15
Reported: 11/13/2012 18:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 1.6 | | 0.20 | 6.2 | | 0.75 | 1 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 28 | | 0.20 | 150 | | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 0.44 | J | 0.20 | 2.5 | J | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | 0.59 | J | 0.20 | 3.5 | J | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 2.6 | | 0.20 | 13 | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | 1.8 | | 0.20 | 8.8 | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 15 | | 0.20 | 66 | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 9.5 | | 0.20 | 41 | | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1231130AA | 11/06/2012 23:33 | Michael A Ziegler | 1 |

**Sample Description: VW 3 Grab Air**
**Summa Can #15**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6845725**
**LLI Group # 1346234**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/30/2012 11:35 by CP

Submitted: 11/02/2012 09:15
Reported: 11/13/2012 18:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 12 | J | 5.0 | 28 | J | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 5.0 | N.D. | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 5.0 | N.D. | | 16 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 3.8 | J | 2.0 | 15 | J | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 110 | | 2.0 | 450 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | 4.2 | J | 2.0 | 18 | J | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 2.0 | N.D. | | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |

**Sample Description:** VW 3 Grab Air
Summa Can #15
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6845725**
**LLI Group # 1346234**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/30/2012 11:35 by CP

Submitted: 11/02/2012 09:15
Reported: 11/13/2012 18:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | N.D. | | 2.0 | N.D. | | 7.5 | 10 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 59 | | 2.0 | 320 | | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 2.0 | N.D. | | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | 14 | | 2.0 | 59 | | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | 7.1 | J | 2.0 | 31 | J | 8.7 | 10 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1231130AA | 11/07/2012 07:13 | Michael A Ziegler | 10 |

**Sample Description: MW-65S Grab Air**
**Summa Can #883**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6845726**
**LLI Group # 1346234**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/30/2012 11:10 by CP

Submitted: 11/02/2012 09:15
Reported: 11/13/2012 18:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | N.D. | | 500 | N.D. | | 1,200 | 1000 |
| 05298 | Benzene | 71-43-2 | N.D. | | 200 | N.D. | | 640 | 1000 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 200 | N.D. | | 2,100 | 1000 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 200 | N.D. | | 780 | 1000 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 500 | N.D. | | 1,100 | 1000 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 500 | N.D. | | 1,500 | 1000 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 500 | N.D. | | 1,600 | 1000 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 200 | N.D. | | 710 | 1000 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 200 | N.D. | | 530 | 1000 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 200 | N.D. | | 410 | 1000 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 200 | N.D. | | 630 | 1000 |
| 05298 | Cumene | 98-82-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 200 | N.D. | | 1,700 | 1000 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 200 | N.D. | | 1,500 | 1000 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 200 | N.D. | | 990 | 1000 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 400 | J | 200 | 1,600 | J | 810 | 1000 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 200 | N.D. | | 810 | 1000 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 170,000 | | 2,000 | 670,000 | | 7,900 | 10000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 200 | N.D. | | 840 | 1000 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 200 | N.D. | | 870 | 1000 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 500 | N.D. | | 3,800 | 1000 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Heptane | 142-82-5 | N.D. | | 200 | N.D. | | 820 | 1000 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 200 | N.D. | | 1,900 | 1000 |
| 05298 | Hexane | 110-54-3 | N.D. | | 200 | N.D. | | 700 | 1000 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 200 | N.D. | | 720 | 1000 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Methylene Chloride | 75-09-2 | 1,100 | | 200 | 4,000 | | 690 | 1000 |
| 05298 | Octane | 111-65-9 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Pentane | 109-66-0 | N.D. | | 200 | N.D. | | 590 | 1000 |
| 05298 | Styrene | 100-42-5 | N.D. | | 200 | N.D. | | 850 | 1000 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 200 | N.D. | | 1,400 | 1000 |

**Sample Description: MW-65S Grab Air**
**Summa Can #883**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6845726**
**LLI Group # 1346234**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/30/2012 11:10 by CP

Submitted: 11/02/2012 09:15
Reported: 11/13/2012 18:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | Toluene | 108-88-3 | N.D. | 200 | N.D. | 750 | 1000 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 39,000 | 200 | 210,000 | 1,100 | 1000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 200 | N.D. | 1,200 | 1000 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 200 | N.D. | 980 | 1000 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 200 | N.D. | 980 | 1000 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 200 | N.D. | 510 | 1000 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 200 | N.D. | 870 | 1000 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 200 | N.D. | 870 | 1000 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1231130AB | 11/07/2012 22:34 | Michael A Ziegler | 1000 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1231530AA | 11/10/2012 18:10 | Michael A Ziegler | 10000 |

**Sample Description:** VW 5 Grab Air
Summa Can #842
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6845727**
**LLI Group # 1346234**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/30/2012 11:00 by CP

Submitted: 11/02/2012 09:15
Reported: 11/13/2012 18:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | N.D. | | 500 | N.D. | | 1,200 | 1000 |
| 05298 | Benzene | 71-43-2 | N.D. | | 200 | N.D. | | 640 | 1000 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 200 | N.D. | | 2,100 | 1000 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 200 | N.D. | | 780 | 1000 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 500 | N.D. | | 1,100 | 1000 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 500 | N.D. | | 1,500 | 1000 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 500 | N.D. | | 1,600 | 1000 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 200 | N.D. | | 710 | 1000 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 200 | N.D. | | 530 | 1000 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 200 | N.D. | | 410 | 1000 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 200 | N.D. | | 630 | 1000 |
| 05298 | Cumene | 98-82-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 200 | N.D. | | 1,700 | 1000 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 200 | N.D. | | 1,500 | 1000 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 200 | N.D. | | 990 | 1000 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 910 | J | 200 | 3,700 | J | 810 | 1000 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 200 | N.D. | | 810 | 1000 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 62,000 | | 200 | 250,000 | | 790 | 1000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 200 | N.D. | | 840 | 1000 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 200 | N.D. | | 870 | 1000 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 500 | N.D. | | 3,800 | 1000 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Heptane | 142-82-5 | N.D. | | 200 | N.D. | | 820 | 1000 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 200 | N.D. | | 1,900 | 1000 |
| 05298 | Hexane | 110-54-3 | N.D. | | 200 | N.D. | | 700 | 1000 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 200 | N.D. | | 720 | 1000 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Methylene Chloride | 75-09-2 | 900 | J | 200 | 3,100 | J | 690 | 1000 |
| 05298 | Octane | 111-65-9 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Pentane | 109-66-0 | N.D. | | 200 | N.D. | | 590 | 1000 |
| 05298 | Styrene | 100-42-5 | N.D. | | 200 | N.D. | | 850 | 1000 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 200 | N.D. | | 1,400 | 1000 |

**Sample Description:** VW 5 Grab Air
Summa Can #842
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6845727**
**LLI Group # 1346234**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/30/2012 11:00 by CP

Submitted: 11/02/2012 09:15
Reported: 11/13/2012 18:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air** | **EPA TO-15** | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | Toluene | 108-88-3 | N.D. | 200 | N.D. | 750 | 1000 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 8,000 | 200 | 44,000 | 1,100 | 1000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 200 | N.D. | 1,200 | 1000 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 200 | N.D. | 980 | 1000 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 200 | N.D. | 980 | 1000 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 200 | N.D. | 510 | 1000 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 200 | N.D. | 870 | 1000 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 200 | N.D. | 870 | 1000 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1231130AB | 11/07/2012 23:17 | Michael A Ziegler | 1000 |

**Sample Description:** MW 64 Grab Air
Summa Can #505
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6845728**
**LLI Group # 1346234**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/30/2012 10:49 by CP

Submitted: 11/02/2012 09:15
Reported: 11/13/2012 18:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 700 | J | 500 | 1,700 | J | 1,200 | 1000 |
| 05298 | Benzene | 71-43-2 | N.D. | | 200 | N.D. | | 640 | 1000 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 200 | N.D. | | 2,100 | 1000 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 200 | N.D. | | 780 | 1000 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 500 | N.D. | | 1,100 | 1000 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 500 | N.D. | | 1,500 | 1000 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 200 | N.D. | | 620 | 1000 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 200 | N.D. | | 710 | 1000 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 200 | N.D. | | 530 | 1000 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 200 | N.D. | | 410 | 1000 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 200 | N.D. | | 630 | 1000 |
| 05298 | Cumene | 98-82-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 200 | N.D. | | 1,700 | 1000 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 200 | N.D. | | 1,500 | 1000 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 200 | N.D. | | 990 | 1000 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 2,200 | | 200 | 9,000 | | 810 | 1000 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 200 | N.D. | | 810 | 1000 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 88,000 | | 400 | 350,000 | | 1,600 | 2000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 200 | N.D. | | 840 | 1000 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 200 | N.D. | | 870 | 1000 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 500 | N.D. | | 3,800 | 1000 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Heptane | 142-82-5 | N.D. | | 200 | N.D. | | 820 | 1000 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 200 | N.D. | | 1,900 | 1000 |
| 05298 | Hexane | 110-54-3 | N.D. | | 200 | N.D. | | 700 | 1000 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 200 | N.D. | | 720 | 1000 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Methylene Chloride | 75-09-2 | 570 | J | 200 | 2,000 | J | 690 | 1000 |
| 05298 | Octane | 111-65-9 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Pentane | 109-66-0 | 260 | J | 200 | 760 | J | 590 | 1000 |
| 05298 | Styrene | 100-42-5 | N.D. | | 200 | N.D. | | 850 | 1000 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 200 | N.D. | | 1,400 | 1000 |

**Sample Description: MW 64 Grab Air**
**Summa Can #505**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6845728**
**LLI Group # 1346234**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/30/2012 10:49 by CP

Submitted: 11/02/2012 09:15
Reported: 11/13/2012 18:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | Toluene | 108-88-3 | N.D. | 200 | N.D. | 750 | 1000 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 41,000 | 200 | 230,000 | 1,100 | 1000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 200 | N.D. | 1,200 | 1000 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 200 | N.D. | 980 | 1000 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 200 | N.D. | 980 | 1000 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 200 | N.D. | 510 | 1000 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 200 | N.D. | 870 | 1000 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 200 | N.D. | 870 | 1000 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1231130AB | 11/07/2012 01:06 | Michael A Ziegler | 1000 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1231530AA | 11/10/2012 18:52 | Michael A Ziegler | 2000 |

**Sample Description: MP 02 Grab Air**
**Summa Can #67**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6845729**
**LLI Group # 1346234**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/30/2012 11:37 by CP

Submitted: 11/02/2012 09:15
Reported: 11/13/2012 18:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 62 | | 5.0 | 150 | | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | 68 | | 5.0 | 200 | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 5.0 | N.D. | | 16 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | 7.5 | J | 2.0 | 37 | J | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 66 | | 2.0 | 270 | | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 1,100 | | 20 | 4,400 | | 79 | 100 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 2.0 | N.D. | | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | 65 | | 2.0 | 190 | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | 2.4 | J | 2.0 | 16 | J | 14 | 10 |

**Sample Description: MP 02 Grab Air**
**Summa Can #67**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6845729**
**LLI Group # 1346234**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/30/2012 11:37 by CP

Submitted: 11/02/2012 09:15
Reported: 11/13/2012 18:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 3.3 | J | 2.0 | 12 | J | 7.5 | 10 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 730 | | 2.0 | 4,000 | | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 2.0 | N.D. | | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | 2.0 | J | 2.0 | 8.8 | J | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1231130AB | 11/08/2012 00:44 | Michael A Ziegler | 10 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1231530AA | 11/10/2012 19:37 | Michael A Ziegler | 100 |

**Sample Description:** SVE 7 Grab Air
Summa Can #517
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6845730**
**LLI Group # 1346234**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/30/2012 11:46 by CP

Submitted: 11/02/2012 09:15
Reported: 11/13/2012 18:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 8.5 | J | 5.0 | 20 | J | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 5.0 | N.D. | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 5.0 | N.D. | | 16 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 2.9 | J | 2.0 | 12 | J | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 640 | | 20 | 2,500 | | 79 | 100 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 2.0 | N.D. | | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |

**Sample Description:** SVE 7 Grab Air
Summa Can #517
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6845730**
**LLI Group # 1346234**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/30/2012 11:46 by CP

Submitted: 11/02/2012 09:15
Reported: 11/13/2012 18:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | N.D. | | 2.0 | N.D. | | 7.5 | 10 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 630 | | 20 | 3,400 | | 110 | 100 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 2.0 | N.D. | | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | 2.6 | J | 2.0 | 11 | J | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | 2.5 | J | 2.0 | 11 | J | 8.7 | 10 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1231130AB | 11/08/2012 01:27 | Michael A Ziegler | 10 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1231530AA | 11/10/2012 20:23 | Michael A Ziegler | 100 |

**Sample Description: MP 09 Grab Air**
**Summa Can #1021**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6845731**
**LLI Group # 1346234**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/30/2012 11:51 by CP

Submitted: 11/02/2012 09:15
Reported: 11/13/2012 18:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 23 | | 0.50 | 54 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | N.D. | | 0.20 | N.D. | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 0.77 | J | 0.50 | 2.3 | J | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 0.50 | N.D. | | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 0.20 | J | 0.20 | 0.71 | J | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 0.29 | J | 0.20 | 0.60 | J | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 0.20 | N.D. | | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 8.5 | | 0.20 | 34 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 0.26 | J | 0.20 | 1.1 | J | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 260 | | 2.0 | 1,000 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 0.28 | J | 0.20 | 1.2 | J | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | 0.63 | J | 0.20 | 2.2 | J | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | N.D. | | 0.20 | N.D. | | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 0.58 | J | 0.20 | 3.9 | J | 1.4 | 1 |

**Sample Description: MP 09 Grab Air**
**Summa Can #1021**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6845731**
**LLI Group # 1346234**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/30/2012 11:51 by CP

Submitted: 11/02/2012 09:15
Reported: 11/13/2012 18:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 25 | | 2.0 | 95 | | 7.5 | 10 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 480 | | 2.0 | 2,600 | | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | 0.24 | J | 0.20 | 1.3 | J | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 3.2 | | 0.20 | 18 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 1.2 | | 0.20 | 5.1 | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 0.53 | J | 0.20 | 2.3 | J | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1231130AA | 11/07/2012 00:22 | Michael A Ziegler | 1 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1231130AA | 11/07/2012 08:54 | Michael A Ziegler | 10 |

**Sample Description:** SVE 4 Grab Air
Summa Can #1038
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6845732**
**LLI Group # 1346234**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/30/2012 11:25 by CP

Submitted: 11/02/2012 09:15
Reported: 11/13/2012 18:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 5.3 | | 0.50 | 13 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | N.D. | | 0.20 | N.D. | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 0.89 | J | 0.50 | 2.6 | J | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 0.50 | N.D. | | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 0.20 | N.D. | | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | 0.64 | J | 0.20 | 3.1 | J | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 0.20 | N.D. | | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 0.23 | J | 0.20 | 1.1 | J | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | 0.29 | J | 0.20 | 1.7 | J | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 0.20 | N.D. | | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 0.65 | J | 0.20 | 2.6 | J | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 0.31 | J | 0.20 | 1.3 | J | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 0.20 | N.D. | | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.61 | J | 0.20 | 1.8 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |

**Sample Description:** SVE 4 Grab Air
Summa Can #1038
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6845732**
**LLI Group # 1346234**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/30/2012 11:25 by CP

Submitted: 11/02/2012 09:15
Reported: 11/13/2012 18:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | N.D. | | 0.20 | N.D. | | 0.75 | 1 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 0.56 | J | 0.20 | 3.1 | J | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 2.3 | | 0.20 | 13 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 0.72 | J | 0.20 | 3.1 | J | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 0.38 | J | 0.20 | 1.7 | J | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1231130AA | 11/07/2012 01:11 | Michael A Ziegler | 1 |

**Sample Description:** SVE 1 Grab Air
Summa Can #897
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6845733**
**LLI Group # 1346234**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/30/2012 11:11 by CP

Submitted: 11/02/2012 09:15
Reported: 11/13/2012 18:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | N.D. | | 500 | N.D. | | 1,200 | 1000 |
| 05298 | Benzene | 71-43-2 | N.D. | | 200 | N.D. | | 640 | 1000 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 200 | N.D. | | 2,100 | 1000 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 200 | N.D. | | 780 | 1000 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 500 | N.D. | | 1,100 | 1000 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 500 | N.D. | | 1,500 | 1000 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 500 | N.D. | | 1,600 | 1000 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 200 | N.D. | | 1,300 | 1000 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 200 | N.D. | | 710 | 1000 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 200 | N.D. | | 530 | 1000 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 200 | N.D. | | 410 | 1000 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 200 | N.D. | | 630 | 1000 |
| 05298 | Cumene | 98-82-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 200 | N.D. | | 1,700 | 1000 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 200 | N.D. | | 1,500 | 1000 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 200 | N.D. | | 1,200 | 1000 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 200 | N.D. | | 990 | 1000 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | N.D. | | 200 | N.D. | | 810 | 1000 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 200 | N.D. | | 810 | 1000 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 5,200 | | 200 | 20,000 | | 790 | 1000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 200 | N.D. | | 790 | 1000 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 200 | N.D. | | 840 | 1000 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 200 | N.D. | | 920 | 1000 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 200 | N.D. | | 910 | 1000 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 200 | N.D. | | 870 | 1000 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 200 | N.D. | | 980 | 1000 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 500 | N.D. | | 3,800 | 1000 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Heptane | 142-82-5 | N.D. | | 200 | N.D. | | 820 | 1000 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 200 | N.D. | | 1,900 | 1000 |
| 05298 | Hexane | 110-54-3 | N.D. | | 200 | N.D. | | 700 | 1000 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 200 | N.D. | | 720 | 1000 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 500 | N.D. | | 2,000 | 1000 |
| 05298 | Methylene Chloride | 75-09-2 | 820 | J | 200 | 2,900 | J | 690 | 1000 |
| 05298 | Octane | 111-65-9 | N.D. | | 200 | N.D. | | 930 | 1000 |
| 05298 | Pentane | 109-66-0 | N.D. | | 200 | N.D. | | 590 | 1000 |
| 05298 | Styrene | 100-42-5 | N.D. | | 200 | N.D. | | 850 | 1000 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 200 | N.D. | | 1,400 | 1000 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 200 | N.D. | | 1,400 | 1000 |

**Sample Description:** SVE 1 Grab Air
Summa Can #897
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6845733**
**LLI Group # 1346234**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/30/2012 11:11 by CP

Submitted: 11/02/2012 09:15
Reported: 11/13/2012 18:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 2,200 | 200 | 8,200 | 750 | 1000 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 54,000 | 200 | 300,000 | 1,100 | 1000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 200 | N.D. | 1,100 | 1000 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 200 | N.D. | 1,200 | 1000 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 200 | N.D. | 980 | 1000 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 200 | N.D. | 980 | 1000 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 200 | N.D. | 510 | 1000 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 200 | N.D. | 870 | 1000 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 200 | N.D. | 870 | 1000 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1231130AB | 11/08/2012 00:00 | Michael A Ziegler | 1000 |

**Sample Description:** SVE 3 Grab Air
Summa Can #524
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6845734**
**LLI Group # 1346234**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/30/2012 11:21 by CP

Submitted: 11/02/2012 09:15
Reported: 11/13/2012 18:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 50 | | 0.50 | 120 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | 1.2 | | 0.20 | 4.0 | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 2.4 | | 0.50 | 7.2 | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 0.50 | N.D. | | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 0.20 | N.D. | | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | 0.92 | J | 0.20 | 4.5 | J | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 0.20 | N.D. | | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | 0.46 | J | 0.20 | 2.8 | J | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | 0.43 | J | 0.20 | 2.6 | J | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | 0.47 | J | 0.20 | 2.8 | J | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 0.20 | N.D. | | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 16 | | 0.20 | 67 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 54 | | 0.20 | 220 | | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 1.6 | | 0.20 | 6.8 | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | 0.25 | J | 0.20 | 1.2 | J | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 0.20 | N.D. | | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | 0.44 | J | 0.20 | 2.1 | J | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.25 | J | 0.20 | 0.74 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 0.45 | J | 0.20 | 3.0 | J | 1.4 | 1 |

**Sample Description:** SVE 3 Grab Air
Summa Can #524
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6845734**
**LLI Group # 1346234**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/30/2012 11:21 by CP

Submitted: 11/02/2012 09:15
Reported: 11/13/2012 18:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 2.7 | | 0.20 | 10 | | 0.75 | 1 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 11 | | 0.20 | 60 | | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 1.9 | | 0.20 | 11 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 0.43 | J | 0.20 | 2.1 | J | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | 0.28 | J | 0.20 | 1.4 | J | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 4.1 | | 0.20 | 18 | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 2.3 | | 0.20 | 9.9 | | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1231130AA | 11/07/2012 02:00 | Michael A Ziegler | 1 |

**Sample Description: MP 11 Grab Air**
**Summa Can #69**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6845735**
**LLI Group # 1346234**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/30/2012 11:42 by CP

Submitted: 11/02/2012 09:15
Reported: 11/13/2012 18:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 400 | | 50 | 960 | | 120 | 100 |
| 05298 | Benzene | 71-43-2 | 35 | J | 20 | 110 | J | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 50 | N.D. | | 110 | 100 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 50 | N.D. | | 150 | 100 |
| 05298 | Carbon Disulfide | 75-15-0 | 28 | J | 20 | 87 | J | 62 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 31 | J | 20 | 110 | J | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 20 | N.D. | | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 20 | N.D. | | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 20 | N.D. | | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | N.D. | | 20 | N.D. | | 81 | 100 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 20 | N.D. | | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 2,800 | | 20 | 11,000 | | 79 | 100 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | 36 | J | 20 | 160 | J | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | 100 | J | 20 | 410 | J | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | 100 | | 20 | 360 | | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 20 | N.D. | | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 290 | | 20 | 1,000 | | 69 | 100 |
| 05298 | Octane | 111-65-9 | 46 | J | 20 | 210 | J | 93 | 100 |
| 05298 | Pentane | 109-66-0 | 200 | | 20 | 590 | | 59 | 100 |
| 05298 | Styrene | 100-42-5 | 56 | J | 20 | 240 | J | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 20 | N.D. | | 140 | 100 |

**Sample Description: MP 11 Grab Air**
**Summa Can #69**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6845735**
**LLI Group # 1346234**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/30/2012 11:42 by CP

Submitted: 11/02/2012 09:15
Reported: 11/13/2012 18:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 48 | J | 20 | 180 | J | 75 | 100 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 1,100 | | 20 | 6,200 | | 110 | 100 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 29 | J | 20 | 160 | J | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 36 | J | 20 | 180 | J | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | 30 | J | 20 | 150 | J | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 20 | N.D. | | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | 120 | | 20 | 510 | | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | 36 | J | 20 | 160 | J | 87 | 100 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1231130AB | 11/07/2012 02:33 | Michael A Ziegler | 100 |

**Sample Description:** SVE 2 Grab Air
Summa Can #1028
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6845736**
**LLI Group # 1346234**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/30/2012 11:16 by CP

Submitted: 11/02/2012 09:15
Reported: 11/13/2012 18:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 14 | J | 10 | 32 | J | 24 | 20 |
| 05298 | Benzene | 71-43-2 | N.D. | | 4.0 | N.D. | | 13 | 20 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 4.0 | N.D. | | 26 | 20 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 4.0 | N.D. | | 41 | 20 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 10 | N.D. | | 22 | 20 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 10 | N.D. | | 29 | 20 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 10 | N.D. | | 31 | 20 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 4.0 | N.D. | | 25 | 20 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 4.0 | N.D. | | 11 | 20 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 4.0 | N.D. | | 8.3 | 20 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 4.0 | N.D. | | 13 | 20 |
| 05298 | Cumene | 98-82-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 4.0 | N.D. | | 34 | 20 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 4.0 | N.D. | | 31 | 20 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 4.0 | N.D. | | 28 | 20 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 4.0 | N.D. | | 24 | 20 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 160 | | 4.0 | 630 | | 16 | 20 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 1,100 | | 20 | 4,400 | | 79 | 100 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 4.0 | N.D. | | 18 | 20 |
| 05298 | Ethylbenzene | 100-41-4 | 12 | J | 4.0 | 53 | J | 17 | 20 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 4.0 | N.D. | | 20 | 20 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 10 | N.D. | | 77 | 20 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 4.0 | N.D. | | 28 | 20 |
| 05298 | Heptane | 142-82-5 | N.D. | | 4.0 | N.D. | | 16 | 20 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 4.0 | N.D. | | 39 | 20 |
| 05298 | Hexane | 110-54-3 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 10 | N.D. | | 41 | 20 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 4.0 | N.D. | | 19 | 20 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 4.0 | N.D. | | 14 | 20 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 10 | N.D. | | 41 | 20 |
| 05298 | Methylene Chloride | 75-09-2 | 5.2 | J | 4.0 | 18 | J | 14 | 20 |
| 05298 | Octane | 111-65-9 | N.D. | | 4.0 | N.D. | | 19 | 20 |
| 05298 | Pentane | 109-66-0 | N.D. | | 4.0 | N.D. | | 12 | 20 |
| 05298 | Styrene | 100-42-5 | N.D. | | 4.0 | N.D. | | 17 | 20 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 4.0 | N.D. | | 27 | 20 |
| 05298 | Tetrachloroethene | 127-18-4 | 4.2 | J | 4.0 | 28 | J | 27 | 20 |

**Sample Description:** SVE 2 Grab Air
Summa Can #1028
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6845736**
**LLI Group # 1346234**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/30/2012 11:16 by CP

Submitted: 11/02/2012 09:15
Reported: 11/13/2012 18:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 510 | 20 | 1,900 | 75 | 100 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 950 | 4.0 | 5,200 | 22 | 20 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 4.0 | N.D. | 22 | 20 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 4.0 | N.D. | 21 | 20 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 4.0 | N.D. | 22 | 20 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 4.0 | N.D. | 24 | 20 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 4.0 | N.D. | 20 | 20 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 4.0 | N.D. | 20 | 20 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 4.0 | N.D. | 10 | 20 |
| 05298 | m/p-Xylene | 179601-23-1 | 41 | 4.0 | 180 | 17 | 20 |
| 05298 | o-Xylene | 95-47-6 | 20 | 4.0 | 88 | 17 | 20 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1231130AB | 11/08/2012 02:10 | Michael A Ziegler | 20 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1231530AA | 11/10/2012 21:09 | Michael A Ziegler | 100 |

**Sample Description: MP 04 Grab Air**
**Summa Can #531**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6845737**
**LLI Group # 1346234**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/30/2012 10:20 by CP

Submitted: 11/02/2012 09:15
Reported: 11/13/2012 18:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 4.4 | | 0.50 | 10 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | N.D. | | 0.20 | N.D. | | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 0.70 | J | 0.50 | 2.1 | J | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 0.50 | N.D. | | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 0.31 | J | 0.20 | 1.1 | J | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 0.20 | N.D. | | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 0.41 | J | 0.20 | 2.0 | J | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.52 | J | 0.20 | 2.6 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 0.44 | J | 0.20 | 1.7 | J | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 0.20 | N.D. | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 0.20 | N.D. | | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | N.D. | | 0.20 | N.D. | | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 0.25 | J | 0.20 | 1.7 | J | 1.4 | 1 |

**Sample Description: MP 04 Grab Air**
**Summa Can #531**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6845737**
**LLI Group # 1346234**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/30/2012 10:20 by CP

Submitted: 11/02/2012 09:15
Reported: 11/13/2012 18:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | MDL | As Received Final Result | MDL | DF |
|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | ppb(v) | ug/m3 | ug/m3 | |
| 05298 | Toluene | 108-88-3 | N.D. | 0.20 | N.D. | 0.75 | 1 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.20 | N.D. | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 0.20 | N.D. | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | 0.20 | N.D. | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | 0.20 | N.D. | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | 0.20 | N.D. | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | 0.20 | N.D. | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | 0.20 | N.D. | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | 0.20 | N.D. | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | 0.20 | N.D. | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | N.D. | 0.20 | N.D. | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1231130AA | 11/07/2012 02:49 | Michael A Ziegler | 1 |

**Sample Description: MP 07 Grab Air**
**Summa Can #848**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6845738**
**LLI Group # 1346234**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/30/2012 10:44 by CP

Submitted: 11/02/2012 09:15
Reported: 11/13/2012 18:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 6.9 | J | 5.0 | 16 | J | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 5.0 | N.D. | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 5.0 | N.D. | | 16 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 14 | | 2.0 | 56 | | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 550 | | 2.0 | 2,200 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | 3.1 | J | 2.0 | 13 | J | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | 2.6 | J | 2.0 | 9.1 | J | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |

**Sample Description: MP 07 Grab Air**
**Summa Can #848**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6845738**
**LLI Group # 1346234**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/30/2012 10:44 by CP

Submitted: 11/02/2012 09:15
Reported: 11/13/2012 18:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 17 | | 2.0 | 64 | | 7.5 | 10 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 250 | | 2.0 | 1,400 | | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 5.7 | J | 2.0 | 32 | J | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 2.0 | N.D. | | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | 7.9 | J | 2.0 | 34 | J | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | 3.7 | J | 2.0 | 16 | J | 8.7 | 10 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1231130AB | 11/08/2012 02:54 | Michael A Ziegler | 10 |

**Sample Description: MP 08 Grab Air**
**Summa Can #829**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6845739**
**LLI Group # 1346234**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/30/2012 11:06 by CP

Submitted: 11/02/2012 09:15
Reported: 11/13/2012 18:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | N.D. | | 5.0 | N.D. | | 12 | 10 |
| 05298 | Benzene | 71-43-2 | N.D. | | 2.0 | N.D. | | 6.4 | 10 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 2.0 | N.D. | | 21 | 10 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 2.0 | N.D. | | 7.8 | 10 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 5.0 | N.D. | | 11 | 10 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 5.0 | N.D. | | 15 | 10 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 5.0 | N.D. | | 16 | 10 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 2.0 | N.D. | | 13 | 10 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 2.0 | N.D. | | 7.1 | 10 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 2.0 | N.D. | | 5.3 | 10 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 2.0 | N.D. | | 4.1 | 10 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 2.0 | N.D. | | 6.3 | 10 |
| 05298 | Cumene | 98-82-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 2.0 | N.D. | | 17 | 10 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 2.0 | N.D. | | 15 | 10 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 2.0 | N.D. | | 9.9 | 10 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 2.0 | N.D. | | 8.1 | 10 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 230 | | 2.0 | 920 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 2.0 | N.D. | | 7.9 | 10 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 2.0 | N.D. | | 8.4 | 10 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 2.0 | N.D. | | 9.2 | 10 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 2.0 | N.D. | | 9.1 | 10 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 5.0 | N.D. | | 38 | 10 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Heptane | 142-82-5 | N.D. | | 2.0 | N.D. | | 8.2 | 10 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 2.0 | N.D. | | 19 | 10 |
| 05298 | Hexane | 110-54-3 | N.D. | | 2.0 | N.D. | | 7.0 | 10 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 2.0 | N.D. | | 7.2 | 10 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 5.0 | N.D. | | 20 | 10 |
| 05298 | Methylene Chloride | 75-09-2 | 2.1 | J | 2.0 | 7.4 | J | 6.9 | 10 |
| 05298 | Octane | 111-65-9 | N.D. | | 2.0 | N.D. | | 9.3 | 10 |
| 05298 | Pentane | 109-66-0 | N.D. | | 2.0 | N.D. | | 5.9 | 10 |
| 05298 | Styrene | 100-42-5 | N.D. | | 2.0 | N.D. | | 8.5 | 10 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 2.0 | N.D. | | 14 | 10 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 2.0 | N.D. | | 14 | 10 |

**Sample Description: MP 08 Grab Air**
**Summa Can #829**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6845739**
**LLI Group # 1346234**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/30/2012 11:06 by CP

Submitted: 11/02/2012 09:15
Reported: 11/13/2012 18:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | N.D. | | 2.0 | N.D. | | 7.5 | 10 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 80 | | 2.0 | 440 | | 11 | 10 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 2.0 | N.D. | | 11 | 10 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 5.8 | J | 2.0 | 32 | J | 11 | 10 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 2.0 | N.D. | | 12 | 10 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 2.0 | N.D. | | 9.8 | 10 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 2.0 | N.D. | | 5.1 | 10 |
| 05298 | m/p-Xylene | 179601-23-1 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |
| 05298 | o-Xylene | 95-47-6 | N.D. | | 2.0 | N.D. | | 8.7 | 10 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1231130AB | 11/08/2012 03:37 | Michael A Ziegler | 10 |

**Sample Description: MP 05 Grab Air**
**Summa Can #839**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6845740**
**LLI Group # 1346234**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/30/2012 10:15 by CP

Submitted: 11/02/2012 09:15
Reported: 11/13/2012 18:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 4.2 | | 0.50 | 9.9 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | 0.21 | J | 0.20 | 0.66 | J | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | 0.26 | J | 0.20 | 1.7 | J | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 0.64 | J | 0.50 | 1.9 | J | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 0.50 | N.D. | | 1.6 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | 0.22 | J | 0.20 | 1.0 | J | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 0.31 | J | 0.20 | 1.1 | J | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | 0.26 | J | 0.20 | 0.53 | J | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 0.78 | J | 0.20 | 3.9 | J | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | 0.83 | J | 0.20 | 5.0 | J | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | 0.82 | J | 0.20 | 4.9 | J | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | 0.89 | J | 0.20 | 5.3 | J | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | 0.55 | J | 0.20 | 2.7 | J | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 0.20 | N.D. | | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 7.9 | | 0.20 | 31 | | 0.79 | 1 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 2.2 | | 0.20 | 9.5 | | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | 0.39 | J | 0.20 | 1.9 | J | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 0.20 | N.D. | | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | 0.53 | J | 0.20 | 2.5 | J | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.26 | J | 0.20 | 0.78 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | 0.29 | J | 0.20 | 1.2 | J | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 0.22 | J | 0.20 | 1.5 | J | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 0.73 | J | 0.20 | 4.9 | J | 1.4 | 1 |

**Sample Description: MP 05 Grab Air**
**Summa Can #839**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6845740**
**LLI Group # 1346234**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/30/2012 10:15 by CP

Submitted: 11/02/2012 09:15
Reported: 11/13/2012 18:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 0.67 | J | 0.20 | 2.5 | J | 0.75 | 1 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 3.3 | | 0.20 | 19 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 0.55 | J | 0.20 | 2.7 | J | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | 0.42 | J | 0.20 | 2.1 | J | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 0.20 | N.D. | | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 5.4 | | 0.20 | 23 | | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 3.0 | | 0.20 | 13 | | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1231130AA | 11/07/2012 03:38 | Michael A Ziegler | 1 |

**Sample Description:** VW 6 Grab Air
Summa Can #539
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6845741**
**LLI Group # 1346234**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/30/2012 10:55 by CP

Submitted: 11/02/2012 09:15
Reported: 11/13/2012 18:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 9.9 | | 0.50 | 24 | | 1.2 | 1 |
| 05298 | Benzene | 71-43-2 | 0.28 | J | 0.20 | 0.89 | J | 0.64 | 1 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 0.20 | N.D. | | 2.1 | 1 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 0.20 | N.D. | | 0.78 | 1 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 0.50 | N.D. | | 1.1 | 1 |
| 05298 | 2-Butanone | 78-93-3 | 3.1 | | 0.50 | 9.2 | | 1.5 | 1 |
| 05298 | Carbon Disulfide | 75-15-0 | 0.78 | J | 0.20 | 2.4 | J | 0.62 | 1 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 0.20 | N.D. | | 1.3 | 1 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 0.20 | N.D. | | 0.71 | 1 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 0.20 | N.D. | | 0.53 | 1 |
| 05298 | Chloroform | 67-66-3 | 0.35 | J | 0.20 | 1.7 | J | 0.98 | 1 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 0.20 | N.D. | | 0.41 | 1 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 0.20 | N.D. | | 0.63 | 1 |
| 05298 | Cumene | 98-82-8 | 0.31 | J | 0.20 | 1.5 | J | 0.98 | 1 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 0.20 | N.D. | | 1.7 | 1 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 0.20 | N.D. | | 1.5 | 1 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 0.20 | N.D. | | 0.99 | 1 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 18 | | 0.20 | 71 | | 0.81 | 1 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 0.41 | J | 0.20 | 1.6 | J | 0.81 | 1 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 290 | | 2.0 | 1,100 | | 7.9 | 10 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 0.20 | N.D. | | 0.79 | 1 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 0.20 | N.D. | | 0.84 | 1 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 0.20 | N.D. | | 0.92 | 1 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 0.20 | N.D. | | 0.91 | 1 |
| 05298 | Ethylbenzene | 100-41-4 | 0.26 | J | 0.20 | 1.1 | J | 0.87 | 1 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 0.50 | N.D. | | 3.8 | 1 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Heptane | 142-82-5 | N.D. | | 0.20 | N.D. | | 0.82 | 1 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 0.20 | N.D. | | 1.9 | 1 |
| 05298 | Hexane | 110-54-3 | N.D. | | 0.20 | N.D. | | 0.70 | 1 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 0.20 | N.D. | | 0.72 | 1 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 0.50 | N.D. | | 2.0 | 1 |
| 05298 | Methylene Chloride | 75-09-2 | N.D. | | 0.20 | N.D. | | 0.69 | 1 |
| 05298 | Octane | 111-65-9 | N.D. | | 0.20 | N.D. | | 0.93 | 1 |
| 05298 | Pentane | 109-66-0 | 0.45 | J | 0.20 | 1.3 | J | 0.59 | 1 |
| 05298 | Styrene | 100-42-5 | N.D. | | 0.20 | N.D. | | 0.85 | 1 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 0.20 | N.D. | | 1.4 | 1 |
| 05298 | Tetrachloroethene | 127-18-4 | 1.5 | | 0.20 | 10 | | 1.4 | 1 |

**Sample Description:** VW 6 Grab Air
Summa Can #539
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6845741**
**LLI Group # 1346234**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/30/2012 10:55 by CP

Submitted: 11/02/2012 09:15
Reported: 11/13/2012 18:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 0.29 | J | 0.20 | 1.1 | J | 0.75 | 1 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 3.8 | | 0.20 | 21 | | 1.1 | 1 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 0.20 | N.D. | | 1.1 | 1 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 5.7 | | 0.20 | 32 | | 1.1 | 1 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 0.20 | N.D. | | 1.2 | 1 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 0.20 | N.D. | | 0.98 | 1 |
| 05298 | Vinyl Chloride | 75-01-4 | 0.24 | J | 0.20 | 0.62 | J | 0.51 | 1 |
| 05298 | m/p-Xylene | 179601-23-1 | 0.69 | J | 0.20 | 3.0 | J | 0.87 | 1 |
| 05298 | o-Xylene | 95-47-6 | 0.39 | J | 0.20 | 1.7 | J | 0.87 | 1 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | D1231130AB | 11/08/2012 04:21 | Michael A Ziegler | 10 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1231530AA | 11/10/2012 21:54 | Michael A Ziegler | 1 |

**Sample Description:** SVE 6 Grab Air
Summa Can #874
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6845742**
**LLI Group # 1346234**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/30/2012 10:35 by CP

Submitted: 11/02/2012 09:15
Reported: 11/13/2012 18:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | 460 | | 50 | 1,100 | | 120 | 100 |
| 05298 | Benzene | 71-43-2 | 190 | | 20 | 600 | | 64 | 100 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 20 | N.D. | | 210 | 100 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 20 | N.D. | | 78 | 100 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 50 | N.D. | | 110 | 100 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 50 | N.D. | | 150 | 100 |
| 05298 | Carbon Disulfide | 75-15-0 | 28 | J | 20 | 88 | J | 62 | 100 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 20 | N.D. | | 130 | 100 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | Chlorodifluoromethane | 75-45-6 | 45 | J | 20 | 160 | J | 71 | 100 |
| 05298 | Chloroethane | 75-00-3 | N.D. | | 20 | N.D. | | 53 | 100 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 20 | N.D. | | 98 | 100 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 20 | N.D. | | 41 | 100 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 20 | N.D. | | 63 | 100 |
| 05298 | Cumene | 98-82-8 | 21 | J | 20 | 100 | J | 98 | 100 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 20 | N.D. | | 170 | 100 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 20 | N.D. | | 150 | 100 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 20 | N.D. | | 99 | 100 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | N.D. | | 20 | N.D. | | 81 | 100 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | N.D. | | 20 | N.D. | | 81 | 100 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 420 | | 20 | 1,700 | | 79 | 100 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 20 | N.D. | | 79 | 100 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 20 | N.D. | | 84 | 100 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 20 | N.D. | | 92 | 100 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 20 | N.D. | | 91 | 100 |
| 05298 | Ethylbenzene | 100-41-4 | 110 | | 20 | 490 | | 87 | 100 |
| 05298 | 4-Ethyltoluene | 622-96-8 | 42 | J | 20 | 200 | J | 98 | 100 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 50 | N.D. | | 380 | 100 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Heptane | 142-82-5 | 140 | | 20 | 590 | | 82 | 100 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 20 | N.D. | | 190 | 100 |
| 05298 | Hexane | 110-54-3 | 120 | | 20 | 420 | | 70 | 100 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Isooctane | 540-84-1 | 35 | J | 20 | 160 | J | 93 | 100 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 20 | N.D. | | 72 | 100 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 50 | N.D. | | 200 | 100 |
| 05298 | Methylene Chloride | 75-09-2 | 300 | | 20 | 1,100 | | 69 | 100 |
| 05298 | Octane | 111-65-9 | 74 | J | 20 | 350 | J | 93 | 100 |
| 05298 | Pentane | 109-66-0 | 130 | | 20 | 380 | | 59 | 100 |
| 05298 | Styrene | 100-42-5 | 91 | J | 20 | 390 | J | 85 | 100 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 20 | N.D. | | 140 | 100 |
| 05298 | Tetrachloroethene | 127-18-4 | N.D. | | 20 | N.D. | | 140 | 100 |

**Sample Description:** SVE 6 Grab Air
Summa Can #874
Avery Dennison / Flowery Branch, GA

**LLI Sample # AQ 6845742**
**LLI Group # 1346234**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 10/30/2012 10:35 by CP

Submitted: 11/02/2012 09:15
Reported: 11/13/2012 18:11

The Johnson Company, Inc.
100 State Street
Suite600
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Toluene | 108-88-3 | 160 | | 20 | 610 | | 75 | 100 |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 980 | | 20 | 5,300 | | 110 | 100 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichloroethene | 79-01-6 | N.D. | | 20 | N.D. | | 110 | 100 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 43 | J | 20 | 240 | J | 110 | 100 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 20 | N.D. | | 120 | 100 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | 150 | | 20 | 740 | | 98 | 100 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | 120 | | 20 | 580 | | 98 | 100 |
| 05298 | Vinyl Chloride | 75-01-4 | N.D. | | 20 | N.D. | | 51 | 100 |
| 05298 | m/p-Xylene | 179601-23-1 | 600 | | 20 | 2,600 | | 87 | 100 |
| 05298 | o-Xylene | 95-47-6 | 140 | | 20 | 610 | | 87 | 100 |

Reporting limits were raised due to interference from the sample matrix.

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1231130AB | 11/07/2012 03:18 | Michael A Ziegler | 100 |

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1346234
Reported: 11/13/12 at 06:11 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

## Laboratory Compliance Quality Control

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: C1231130AB | Sample number(s): 6845728,6845735,6845742 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 95 | 94 | 61-134 | 1 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 89 | 89 | 70-130 | 1 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 96 | 96 | 70-129 | 1 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 118 | 119 | 64-141 | 1 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 102 | 100 | 70-130 | 2 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 89 | 87 | 66-129 | 2 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 100 | 95 | 55-131 | 5 | 25 |
| Carbon Disulfide | N.D. | 0.50 | ppb(v) | 78 | 76 | 57-107 | 3 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 105 | 103 | 70-130 | 2 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 93 | 93 | 70-130 | 0 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 95 | 91 | 70-131 | 4 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 90 | 88 | 70-130 | 3 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 79 | 76 | 64-133 | 4 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 102 | 103 | 65-127 | 1 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 103 | 103 | 65-126 | 0 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 116 | 115 | 62-132 | 0 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 107 | 108 | 63-125 | 0 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 108 | 109 | 63-127 | 1 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 108 | 106 | 69-143 | 2 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 86 | 84 | 67-124 | 3 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 100 | 99 | 70-130 | 1 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 91 | 88 | 64-119 | 3 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 80 | 78 | 65-121 | 2 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 92 | 89 | 66-121 | 4 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 74 | 73 | 70-130 | 0 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 97 | 96 | 64-125 | 1 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 91 | 91 | 61-126 | 1 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 102 | 102 | 70-130 | 1 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 109 | 108 | 59-126 | 1 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 92 | 89 | 63-114 | 4 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 92 | 91 | 63-123 | 2 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 77 | 76 | 65-119 | 2 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 82 | 79 | 63-117 | 4 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 99 | 100 | 41-152 | 0 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 92 | 90 | 60-121 | 3 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1346234
Reported: 11/13/12 at 06:11 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 95 | 95 | 53-140 | 0 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 87 | 85 | 70-130 | 3 | 25 |
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 110 | 110 | 64-130 | 0 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 95 | 94 | 58-133 | 1 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 100 | 100 | 70-130 | 0 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 100 | 101 | 70-130 | 0 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 99 | 97 | 70-130 | 2 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 93 | 93 | 65-125 | 1 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 96 | 95 | 70-130 | 1 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 114 | 112 | 70-130 | 2 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 111 | 109 | 60-128 | 2 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 118 | 116 | 61-132 | 2 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 95 | 92 | 70-130 | 3 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 116 | 115 | 70-130 | 0 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 115 | 115 | 70-130 | 0 | 25 |
| Batch number: C1231530AA | Sample number(s): 6845726,6845728-6845730,6845736,6845741 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 105 | 101 | 61-134 | 4 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 96 | 93 | 70-130 | 3 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 102 | 98 | 70-129 | 4 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 106 | 102 | 64-141 | 4 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 105 | 103 | 70-130 | 2 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 105 | 105 | 66-129 | 1 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 106 | 100 | 55-131 | 5 | 25 |
| Carbon Disulfide | N.D. | 0.50 | ppb(v) | 88 | 87 | 57-107 | 1 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 99 | 97 | 70-130 | 3 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 92 | 89 | 70-130 | 4 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 107 | 106 | 70-131 | 0 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 97 | 94 | 70-130 | 3 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 97 | 96 | 64-133 | 1 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 96 | 93 | 65-127 | 3 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 99 | 96 | 65-126 | 3 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 101 | 98 | 62-132 | 4 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 93 | 91 | 63-125 | 3 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 93 | 89 | 63-127 | 4 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 114 | 112 | 69-143 | 2 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 96 | 94 | 67-124 | 3 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 101 | 97 | 70-130 | 4 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 96 | 96 | 64-119 | 0 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 95 | 93 | 65-121 | 2 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 102 | 100 | 66-121 | 2 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 88 | 85 | 70-130 | 4 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 105 | 101 | 64-125 | 4 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 98 | 95 | 61-126 | 3 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 98 | 94 | 70-130 | 4 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 98 | 93 | 59-126 | 5 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1346234
Reported: 11/13/12 at 06:11 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Freon 113 | N.D. | 0.50 | ppb(v) | 91 | 89 | 63-114 | 2 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 102 | 100 | 63-123 | 1 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 96 | 93 | 65-119 | 4 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 95 | 93 | 63-117 | 2 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 116 | 112 | 41-152 | 3 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 88 | 86 | 60-121 | 2 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 106 | 102 | 53-140 | 4 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 95 | 92 | 70-130 | 3 | 25 |
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 104 | 99 | 64-130 | 4 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 99 | 94 | 58-133 | 5 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 84 | 81 | 70-130 | 3 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 98 | 95 | 70-130 | 3 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 96 | 95 | 70-130 | 2 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 90 | 86 | 65-125 | 4 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 90 | 89 | 70-130 | 1 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 111 | 110 | 70-130 | 1 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 100 | 96 | 60-128 | 4 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 105 | 100 | 61-132 | 5 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 106 | 104 | 70-130 | 1 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 110 | 106 | 70-130 | 4 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 104 | 100 | 70-130 | 3 | 25 |
| Batch number: D1231130AA | Sample number(s): 6845720-6845725,6845731-6845732,6845734,6845737,6845740 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 90 | 91 | 61-134 | 2 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 107 | 110 | 70-130 | 3 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 110 | 113 | 70-129 | 2 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 108 | 107 | 64-141 | 0 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 100 | 105 | 70-130 | 4 | 25 |
| 1,3-Butadiene | N.D. | 0.40 | ppb(v) | 97 | 103 | 66-129 | 6 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 87 | 89 | 55-131 | 3 | 25 |
| Carbon Disulfide | N.D. | 0.50 | ppb(v) | 82 | 85 | 57-107 | 4 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 109 | 111 | 70-130 | 2 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 94 | 96 | 70-130 | 2 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 105 | 109 | 70-131 | 4 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 105 | 106 | 70-130 | 1 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 97 | 97 | 64-133 | 0 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 108 | 110 | 65-127 | 2 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 108 | 108 | 65-126 | 0 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 85 | 88 | 62-132 | 3 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 84 | 85 | 63-125 | 2 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 83 | 84 | 63-127 | 1 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 101 | 104 | 69-143 | 3 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 108 | 110 | 67-124 | 2 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 118 | 119 | 70-130 | 0 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 91 | 94 | 64-119 | 3 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1346234
Reported: 11/13/12 at 06:11 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 105 | 107 | 65-121 | 2 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 104 | 106 | 66-121 | 2 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 95 | 95 | 70-130 | 1 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 111 | 111 | 64-125 | 1 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 101 | 101 | 61-126 | 0 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 89 | 90 | 70-130 | 1 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 91 | 92 | 59-126 | 1 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 96 | 99 | 63-114 | 3 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 91 | 95 | 63-123 | 4 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 107 | 110 | 65-119 | 2 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 102 | 106 | 63-117 | 4 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 92 | 96 | 41-152 | 4 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 82 | 84 | 60-121 | 2 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 90 | 95 | 53-140 | 6 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 97 | 100 | 70-130 | 3 | 25 |
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 94 | 95 | 64-130 | 1 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 95 | 98 | 58-133 | 2 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 110 | 112 | 70-130 | 2 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 93 | 93 | 70-130 | 1 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 110 | 111 | 70-130 | 1 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 113 | 111 | 65-125 | 2 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 108 | 111 | 70-130 | 3 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 107 | 109 | 70-130 | 3 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 89 | 91 | 60-128 | 2 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 95 | 96 | 61-132 | 2 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 105 | 112 | 70-130 | 6 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 92 | 91 | 70-130 | 0 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 96 | 97 | 70-130 | 1 | 25 |
| Batch number: D1231130AB | Sample number(s): 6845726-6845727,6845729-6845730,6845733,6845736,6845738-6845739,6845741 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 90 | 91 | 61-134 | 2 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 107 | 110 | 70-130 | 3 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 110 | 113 | 70-129 | 2 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 108 | 107 | 64-141 | 0 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 100 | 105 | 70-130 | 4 | 25 |
| 1,3-Butadiene | N.D. | 0.40 | ppb(v) | 97 | 103 | 66-129 | 6 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 87 | 89 | 55-131 | 3 | 25 |
| Carbon Disulfide | N.D. | 0.50 | ppb(v) | 82 | 85 | 57-107 | 4 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 109 | 111 | 70-130 | 2 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 94 | 96 | 70-130 | 2 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 105 | 109 | 70-131 | 4 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 105 | 106 | 70-130 | 1 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 97 | 97 | 64-133 | 0 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 108 | 110 | 65-127 | 2 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1346234
Reported: 11/13/12 at 06:11 PM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 108 | 108 | 65-126 | 0 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 85 | 88 | 62-132 | 3 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 84 | 85 | 63-125 | 2 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 83 | 84 | 63-127 | 1 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 101 | 104 | 69-143 | 3 | 25 |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 108 | 110 | 67-124 | 2 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 118 | 119 | 70-130 | 0 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 91 | 94 | 64-119 | 3 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 105 | 107 | 65-121 | 2 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 104 | 106 | 66-121 | 2 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 95 | 95 | 70-130 | 1 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 111 | 111 | 64-125 | 1 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 101 | 101 | 61-126 | 0 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 89 | 90 | 70-130 | 1 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 91 | 92 | 59-126 | 1 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 96 | 99 | 63-114 | 3 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 91 | 95 | 63-123 | 4 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 107 | 110 | 65-119 | 2 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 102 | 106 | 63-117 | 4 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 92 | 96 | 41-152 | 4 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 82 | 84 | 60-121 | 2 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 90 | 95 | 53-140 | 6 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 97 | 100 | 70-130 | 3 | 25 |
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 94 | 95 | 64-130 | 1 | 25 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 95 | 98 | 58-133 | 2 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 110 | 112 | 70-130 | 2 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 93 | 93 | 70-130 | 1 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 110 | 111 | 70-130 | 1 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 113 | 111 | 65-125 | 2 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 108 | 111 | 70-130 | 3 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 107 | 109 | 70-130 | 3 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 89 | 91 | 60-128 | 2 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 95 | 96 | 61-132 | 2 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 105 | 112 | 70-130 | 6 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 92 | 91 | 70-130 | 0 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 96 | 97 | 70-130 | 1 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Summa Canister Field Test Data/Chain of Custody

eurofins | Lancaster Laboratories

Acct. # 16556 Group # 1346284 For Lancaster Laboratories use only Sample # 684572-742 Bottle Order (SCR) # 129998

Instructions on reverse side correspond with circled numbers.

**(1) Client Information**

Client: Johnson Co
Account #:
Project Name/#: Flowery Branch SVE
Project Manager: Todd Hall
P.O. #:
Sampler: Calum Pruitt
Quote #:
Name of state where samples were collected: GA

**(3) Turnaround Time Requested (TAT)** (circle one)

Standard | Rush (specify) _____

**(4) Data Package Required?** Yes No

**(5) EDD Required?** Yes No

| | Temperature (F) | | Pressure ("Hg) | |
|---|---|---|---|---|
| | Start | Stop | Start | Stop |
| Ambient | | | | |
| Maximum | | | | |
| Minimum | | | | |

**(6) Analyses Requested**

EPA TO - 15 | EPA 18 ☐ BTEX ☐ MTBE | EPA 25 (select range below) | Helium as tracer | O2/CO2 | Library Search

**(2)**

| Sample Identification | Sample Collection Date | Time Start (24 hr clock) | Time Stop (24 hr clock) | Canister Pressure in Field ("Hg) (Start) | Canister Pressure in Field ("Hg) (Stop) | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Flow Reg. ID | Can ID | Can Size (L) | Controller Flowrate (ml/min) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SVE 5 | 10/30 | 10:29 | | | | | | — | 328 | 6 | — |
| Undiluted | " | 11:56 | | | | | | — | 860 | 6 | — |
| MP 03 | " | 10:24 | | | | | | — | 175 | 6 | — |
| MP 06 | " | 10:39 | | | | | | — | 519 | 6 | — |
| MP 10 | " | 11:30 | | | | | | — | 863 | 6 | — |
| VW 3 | " | 11:35 | | | | | | — | 15 | 6 | — |
| MW-65s | " | 11:10 | | | | | | — | 883 | 6 | — |
| VW 5 | " | 11:00 | | | | | | — | 842 | 6 | — |
| MW 64 | " | 10:49 | | | | | | — | 505 | 6 | — |
| MP 02 | " | 11:37 | | | | | | — | 67 | 6 | — |
| SVE 7 | " | 11:46 | | | | | | — | 517 | 6 | — |

**(7) Instructions/QC Requirements & Comments**

**EPA 25** (check one) ☐ C1 - C4 ☐ C2 - C10 ☐ C1 - C10 ☐ C4 - C10 (GRO) ☐ C2 - C4

| Canisters Shipped by: | Date/Time: | Canisters Received by: | Date/Time | Relinquished by: | Date/Time | Received by: | Date/Time: (8) |
|---|---|---|---|---|---|---|---|
| FSF | 10/30 10:24 | | | | | | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Relinquished by: | Date/Time: | Received by: | Date/Time: |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Relinquished by: | Date/Time: | Received by: | Date/Time: 11/2/20915 |

# Summa Canister Field Test Data/Chain of Custody

eurofins | Lancaster Laboratories

Acct. # 16550 Group # 1346234 For Lancaster Laboratories use only Sample # 1084572a-742 Bottle Order (SCR) # 129998

Instructions on reverse side correspond with circled numbers.

**(1) Client Information**

Client: Johnson Co. Account #:

Project Name/#: Flowery Branch SVE

Project Manager: Todd Hall P.O. #:

Sampler: Calvin Pruitt Quote #:

Name of state where samples were collected: GA

**(3) Turnaround Time Requested (TAT)** (circle one)

(Standard) Rush (specify) _____

**(4) Data Package Required?** Yes No

**(5) EDD Required?** Yes No

| | Temperature (F) | | Pressure ("Hg) | |
|---|---|---|---|---|
| | Start | Stop | Start | Stop |
| Ambient | | | | |
| Maximum | | | | |
| Minimum | | | | |

**(6) Analyses Requested**

| (2) Sample Identification | Sample Collection Date | Time Start (24 hr clock) | Time Stop (24 hr clock) | Canister Pressure in Field ("Hg) (Start) | Canister Pressure in Field ("Hg) (Stop) | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Flow Reg. ID | Can ID | Can Size (L) | Controller Flowrate (ml/min) | EPA TO - 15 | EPA 18 ☐ MTBE ☐ BTEX | EPA 25 (select range below) | Helium as tracer | O2/CO2 | Library Search | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MP 09 | 10/30 | 11:51 | | | | | | — | 1021 | 6 | — | X | | | | | | |
| SVE 4 | " | 11:25 | | | | | | — | 1038 | 6 | — | X | | | | | | |
| SVE 1 | " | 11:11 | | | | | | — | 897 | 6 | — | X | | | | | | |
| SVE 3 | " | 11:21 | | | | | | — | 524 | 6 | — | X | | | | | | |
| MP 11 | " | 11:42 | | | | | | — | 69 | 6 | — | X | | | | | | |
| SVE 2 | " | 11:16 | | | | | | — | 1028 | 6 | — | X | | | | | | |
| MP 04 | " | 10:20 | | | | | | — | 531 | 6 | — | X | | | | | | |
| MP 07 | " | 10:44 | | | | | | — | 848 | 6 | — | X | | | | | | |
| MP 08 | " | 11:06 | | | | | | — | 829 | 6 | — | X | | | | | | |
| MP 05 | " | 10:15 | | | | | | — | 839 | 6 | — | X | | | | | | |
| VW 6 | " | 10:55 | | | | | | — | 539 | 6 | — | X | | | | | | |

**(7) Instructions/QC Requirements & Comments**

**EPA 25** (check one) ☐ C1 - C4 ☐ C2 - C10 ☐ C1 - C10 ☐ C4 - C10 (GRO) ☐ C2 - C4

| Canisters Shipped by: | Date/Time: | Canisters Received by: | Date/Time | Relinquished by: | Date/Time | Received by: | Date/Time: (8) |
|---|---|---|---|---|---|---|---|
| CLSS | 10-31-12 1037 | | | | | | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Relinquished by: | Date/Time: | Received by: | Date/Time: |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Relinquished by: | Date/Time: | Received by: | Date/Time: 11/2/12 0915 |

# Summa Canister Field Test Data/Chain of Custody

eurofins | Lancaster Laboratories

Acct. # 6556 Group # 1346234 For Lancaster Laboratories use only Sample # 6845720-742 Bottle Order (SCR) # 129998

Instructions on reverse side correspond with circled numbers.

**(1) Client Information**

Client: Johnson Co — Account #:

Project Name/#: Flaveny Branch SVE

Project Manager: Todd Hall — P.O. #:

Sampler: Calvin Pruitt — Quote #:

Name of state where samples were collected: GA

**(3) Turnaround Time Requested (TAT)** (circle one)

Standard — Rush (specify) _____

**(4) Data Package Required?** Yes / No

**(5) EDD Required?** Yes / No

| | Temperature (F) | | Pressure ("Hg) | |
|---|---|---|---|---|
| | Start | Stop | Start | Stop |
| Ambient | | | | |
| Maximum | | | | |
| Minimum | | | | |

**(6) Analyses Requested**

EPA TO - 15 | ☐ MTBE ☐ BTEX EPA 18 | EPA 25 (select range below) | Helium as tracer | O2/CO2 | Library Search

| (2) Sample Identification | Sample Collection Date | Time Start (24 hr clock) | Time Stop (24 hr clock) | Canister Pressure in Field ("Hg) (Start) | Canister Pressure in Field ("Hg) (Stop) | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Flow Reg. ID | Can ID | Can Size (L) | Controller Flowrate (ml/min) | EPA TO - 15 | MTBE | BTEX | EPA 18 | EPA 25 | Helium as tracer | O2/CO2 | Library Search |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SVE 6 | 10/30 | 10:35 | | | | | | | 874 | 6 | — | X | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |

**(7) Instructions/QC Requirements & Comments**

**EPA 25** (check one) ☐ C1 - C4 ☐ C2 - C10 ☐ C1 - C10 ☐ C4 - C10 (GRO) ☐ C2 - C4

| Canisters Shipped by: | Date/Time: | Canisters Received by: | Date/Time | Relinquished by: | Date/Time | Received by: | (8) Date/Time: |
|---|---|---|---|---|---|---|---|
| C858 | 10/31 10:39 | | | | | | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Relinquished by: | Date/Time: | Received by: | Date/Time: |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Relinquished by: | Date/Time: | Received by: | Date/Time: 11/2/12 0915 |

eurofins | Lancaster Laboratories

G-1346234

# Environmental Sample Administration Receipt Documentation Log

**Client/Project:** Johnson Co

**Date of Receipt:** 11/2/12

**Time of Receipt:** 0915

**Source Code:** 60

**Shipping Container Sealed:** (YES) NO

**Custody Seal Present * :** YES (NO)

* Custody seal was intact unless otherwise noted in the discrepancy section

**Package:** Chilled (Not Chilled)

| Temperature of Shipping Containers | | | | | | | |
|---|---|---|---|---|---|---|---|
| Cooler # | Thermometer ID | Temperature (°C) | Temp Bottle (TB) or Surface Temp (ST) | Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP) | Ice Present? Y/N | Loose (L) Bagged Ice (B) or NA | Comments |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |

**Number of Trip Blanks received NOT listed on chain of custody:** Ø

**Paperwork Discrepancy/Unpacking Problems:**

#874 = SVE-5 time matches

**Unpacker Signature/Emp#:** 964 **Date/Time:** 11/2/12 0931

Issued by Dept. 6042 Management

2174.06

# Explanation of Symbols and Abbreviations

*The following defines common symbols and abbreviations used in reporting technical data:*

| | | | |
|---|---|---|---|
| **RL** | Reporting Limit | **BMQL** | Below Minimum Quantitation Level |
| **N.D.** | none detected | **MPN** | Most Probable Number |
| **TNTC** | Too Numerous To Count | **CP Units** | cobalt-chloroplatinate units |
| **IU** | International Units | **NTU** | nephelometric turbidity units |
| **umhos/cm** | micromhos/cm | **ng** | nanogram(s) |
| **C** | degrees Celsius | **F** | degrees Fahrenheit |
| **meq** | milliequivalents | **lb.** | pound(s) |
| **g** | gram(s) | **kg** | kilogram(s) |
| **µg** | microgram(s) | **mg** | milligram(s) |
| **mL** | milliliter(s) | **L** | liter(s) |
| **m3** | cubic meter(s) | **µL** | microliter(s) |
| | | **pg/L** | picogram/liter |

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**J** estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

*U.S. EPA CLP Data Qualifiers:*

**Organic Qualifiers**

| | |
|---|---|
| **A** | TIC is a possible aldol-condensation product |
| **B** | Analyte was also detected in the blank |
| **C** | Pesticide result confirmed by GC/MS |
| **D** | Compound quantitated on a diluted sample |
| **E** | Concentration exceeds the calibration range of the instrument |
| **N** | Presumptive evidence of a compound (TICs only) |
| **P** | Concentration difference between primary and confirmation columns >25% |
| **U** | Compound was not detected |
| **X,Y,Z** | Defined in case narrative |

**Inorganic Qualifiers**

| | |
|---|---|
| **B** | Value is <CRDL, but ≥IDL |
| **E** | Estimated due to interference |
| **M** | Duplicate injection precision not met |
| **N** | Spike sample not within control limits |
| **S** | Method of standard additions (MSA) used for calculation |
| **U** | Compound was not detected |
| **W** | Post digestion spike out of control limits |
| ***** | Duplicate analysis not within control limits |
| **+** | Correlation coefficient for MSA <0.995 |

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

# APPENDIX G
# INDUSTRIAL PRETREATMENT PERMIT APPLICATION AND MPE SYSTEM DESCRIPTION (ON CD)

The Johnson Company ENVIRONMENTAL SCIENCE AND ENGINEERING SOLUTIONS

ph (802) 229-4600
fax (802) 229-5876
100 State Street, Suite 600
Montpelier, VT 05602
www.johnsonco.com

April 26, 2012

Mr. Bill Noell, Unit Manager
State of Georgia Department of Natural Resources
Environmental Protection Division
Wastewater Regulatory Program - Industrial Permitting Unit
Tradeport Offices
4220 International Parkway
Atlanta, GA 30354

Re: **Application for a Pretreatment Permit; Groundwater Treatment System**
Avery Dennison Corporation - 4350 Avery Drive, Flowery Branch, Hall County, Georgia.

Dear Mr. Noell:

On behalf of Avery Dennison Corporation (Avery Dennison), please find attached, for review and approval, a completed *Application for a Pretreatment Permit* and associated attachments (Permit Application Package). Avery Dennison submits this Permit Application Package for approval of discharge of treated groundwater from a groundwater extraction and treatment system (the System) to be installed at its facility located at 4350 Avery Drive in Flowery Branch, Georgia. The System will remove target volatile organic compounds (VOC) and 1,4-dioxane from extracted groundwater, and the treated groundwater will then be discharged to the Flowery Branch Publicly Owned Treatment Works (POTW) per an agreement established between Avery Dennison and the POTW.

This Permit Application Package is comprised of the following attachments to this letter:

*Attachment 1*: A completed Pretreatment Permit Application form.

*Attachment 2*: A description of the proposed groundwater treatment system.

*Attachment 3*: A set of figures showing the property location, the preliminary system layout, and the proposed process flow diagram

*Attachment 4*: Evidence of the City of Flowery Branch's approval of the POTW's acceptance of the proposed discharge.

*Attachment 5*: A Statement of Qualifications and proposal from the planned licensed System operator, Complete Water Services LLC.

*Attachment 6*: A draft Best Management Practices (BMP) Plan for the System.

If there are questions regarding the treatment system design or enclosed Pretreatment Permit Application, please contact the undersigned. We look forward to your approval.

Sincerely,

THE JOHNSON COMPANY, INC.




4/26/2012

By: _____
Joel Behrsing, P.E. (GA # PE033869)
Senior Engineer

Cc Bill Andrews, Flowery Branch City Manager
Bruce Martin, Avery Dennison
Glen Kirkpatrick, The Johnson Company, Inc.

## Shelly McCarthy

**From:** trackingupdates@fedex.com
**Sent:** Friday, April 27, 2012 8:21 AM
**To:** Shelly McCarthy
**Subject:** FedEx Shipment 798329572888 Delivered

---

This tracking update has been requested by:

| | |
|---|---|
| Company Name: | THE JOHNSON COMPANY |
| Name: | SHELLY MCCARTHY |
| E-mail: | slm@jcomail.com |

---

Our records indicate that the following shipment has been delivered:

| | |
|---|---|
| Reference: | 1-0145-04 |
| Ship (P/U) date: | Apr 26, 2012 |
| Delivery date: | Apr 27, 2012 8:17 AM |
| Sign for by: | A.BEVE |
| Delivery location: | Atlanta, GA |
| Delivered to: | Receptionist/Front Desk |
| Service type: | FedEx Priority Overnight |
| Packaging type: | FedEx Box |
| Number of pieces: | 1 |
| Weight: | 4.00 lb. |
| Special handling/Services: | Deliver Weekday |
| Tracking number: | 798329572888 |

| Shipper Information | Recipient Information |
|---|---|
| SHELLY MCCARTHY | Bill Noell, Unit Manager |
| THE JOHNSON COMPANY | GA Dept of Natural Resources |
| 100 STATE STREET, SUITE 600 | 4220 International Parkway |
| MONTPELIER | WW Reg Progm, Indu Permit Division |
| VT | Atlanta |
| US | GA |
| 05602 | US |
| | 30354 |

Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 7:21 AM CDT on 04/27/2012.

To learn more about FedEx Express, please visit our website at fedex.com.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above, or visit us at fedex.com.

## Shelly McCarthy

**From:** trackingupdates@fedex.com
**Sent:** Friday, April 27, 2012 1:48 PM
**To:** Shelly McCarthy
**Subject:** FedEx Shipment 793499102156 Delivered

---

This tracking update has been requested by:

| | |
|---|---|
| Company Name: | THE JOHNSON COMPANY |
| Name: | SHELLY MCCARTHY |
| E-mail: | slm@jcomail.com |

---

Our records indicate that the following shipment has been delivered:

| | |
|---|---|
| Reference: | 1-0145-4 |
| Ship (P/U) date: | Apr 26, 2012 |
| Delivery date: | Apr 27, 2012 1:43 PM |
| Sign for by: | J.RIKER |
| Delivery location: | FLOWERY BRANCH, GA |
| Delivered to: | Receptionist/Front Desk |
| Service type: | FedEx Standard Overnight |
| Packaging type: | FedEx Box |
| Number of pieces: | 1 |
| Weight: | 4.00 lb. |
| Special handling/Services: | Deliver Weekday |
| Tracking number: | 793499102156 |

| Shipper Information | Recipient Information |
|---|---|
| SHELLY MCCARTHY | Bill Andrews - Manager |
| THE JOHNSON COMPANY | City of Flowery Branch |
| 100 STATE STREET, SUITE 600 | 5517 MAIN ST |
| MONTPELIER | FLOWERY BRANCH |
| VT | GA |
| US | US |
| 05602 | 30542 |

Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 12:48 PM CDT on 04/27/2012.

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All weights are estimated.

To track the latest status of your shipment, click on the tracking number above, or visit us at fedex.com.

## Shelly McCarthy

**From:** trackingupdates@fedex.com
**Sent:** Monday, April 30, 2012 12:01 PM
**To:** Shelly McCarthy
**Subject:** FedEx Shipment 793498996681 Delivered

---

This tracking update has been requested by:

| | |
|---|---|
| Company Name: | THE JOHNSON COMPANY |
| Name: | SHELLY MCCARTHY |
| E-mail: | slm@jcomail.com |

---

Our records indicate that the following shipment has been delivered:

| | |
|---|---|
| Reference: | 1-0145-4 |
| Ship (P/U) date: | Apr 26, 2012 |
| Delivery date: | Apr 30, 2012 11:56 AM |
| Sign for by: | Signature not required |
| Delivery location: | DOUGLAS, MA |
| Delivered to: | Residence |
| Service type: | FedEx 2Day A.M |
| Packaging type: | FedEx Box |
| Number of pieces: | 1 |
| Weight: | 4.00 lb. |
| Special handling/Services: | Deliver Weekday<br>Residential Delivery |
| Tracking number: | 793498996681 |

| Shipper Information | Recipient Information |
|---|---|
| SHELLY MCCARTHY | Bruce Martin |
| THE JOHNSON COMPANY | 130 WALNUT ST |
| 100 STATE STREET, SUITE 600 | DOUGLAS |
| MONTPELIER | MA |
| VT | US |
| US | 01516 |
| 05602 | |

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Thank you for your business.

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Thank you for your business.

# Attachment 1

# Completed Pretreatment Permit Application

**STATE OF GEORGIA DEPARTMENT OF NATURAL RESOURCES**
**ENVIRONMENTAL PROTECTION DIVISION**

# APPLICATION FOR A PRETREATMENT PERMIT
## (Includes Baseline Monitoring Report Data)

To be filed by persons engaged in manufacturing, mining or commercial operations which generate pollutants which are discharged to publicly owned treatment works and then into the waters of the State.

| FOR EPD USE ONLY | |
|---|---|
| Application No. | |
| Date Received: | |

## SECTION A - GENERAL INFORMATION

1. a. Will you be connected to the public sanitary sewer system?
[ X ] Yes [ ] No (if no, then do not continue with application. Sign application and submit to Environmental Protection Division).

b. <u>For an existing business</u>:

Is the building presently connected to the public sanitary sewer system?

[X] Yes:
[ ] No: Have you applied for a sanitary sewer hookup? [ ] Yes [ ] No

c. <u>For a new business</u>:

(i) Will you be occupying an existing vacant building?
[ ] Yes [ ] No

(ii). Have you applied for a building permit if a new facility will be constructed?
[ ] Yes [ ] No

2. Does or <u>will</u> this facility discharge any wastewater other than from rest rooms to the City sewer?

[X] Yes If the answer to this question is 'Yes", please complete the remainder of the application.

[ ] No If the answer to this question is “No”, skip to Section 1.

3. Facility Name: Avery Dennison Corporation

a. Operator Name: See below

b. Is the operator identified in 1.a., the owner of the facility?
[] Yes [X] No

If no, provide the name and address of the operator and submit a copy of the contract and/or other documents indicating the operator's scope of responsibility for the facility.

| |
|---|
| Avery Dennison will Contract an appropriately-licensed water treatment operator to operate the System following receipt of an industrial pretreatment permit from Georgia EPD. Avery Dennison has identified Complete Water Services, LLC as the planned Operator for the proposed System. A statement of qualifications and proposal from Complete Water Services LLC is provided as Attachment 5 to this application package. |

4. Facility Address:

| | | |
|---|---|---|
| Street: 4350 Avery Drive | | |
| City: Flowery Branch | State: GA | Zip: 30503 |

5. Business Mailing Address:

| | | |
|---|---|---|
| Street or P.O. Box: 130 Walnut Street | | |
| City: Douglas | State: MA | Zip: 01516 |

6. Designated signatory authority for the facility:
[Attach similar information for each authorized representative]

| | | |
|---|---|---|
| Name: Bruce Martin | | |
| Title: Manager of Environmental Remediation Systems<br>Corporate Environmental Health and Safety<br>Avery Dennison Corporation | | |
| Address: 130 Walnut Street | | |
| City: Douglas | State: Massachusetts | Zip:01516 |
| Phone #:(508) 476-5041 | | |

7. Designated facility contact:

| | | |
|---|---|---|
| Name: Mr. Bruce Martin | | |
| Title: : Manager of Environmental Remediation Systems<br>Corporate Environmental Health and Safety<br>Avery Dennison Corporation | | |
| Phone #: (508) 476-5041 | | |

**SECTION B – BUSINESS ACTIVITY**

1. If your facility employs or will be employing processes in any of the industrial categories listed below (regardless of whether they generate wastewater, waste sludge, or hazardous waste), place a check beside the category (check all that apply).

| ***NONE APPLY*** | Industrial Categories | Code of Federal Regulations (CFR) Reference No. |
|---|---|---|
| [ ] | Aluminum Forming | 467 |
| [ ] | Asbestos Manufacturing | 427 |
| [ ] | Battery Manufacturing | 461 |
| [ ] | Canned and Preserved Fruits and Vegetables Processing | 407 |
| [ ] | Canned and Preserved Seafood Processing | 408 |
| [ ] | Carbon Black Manufacturing | 458 |

| | | |
|---|---|---|
| [ ] | Cement Manufacturing | 411 |
| [ ] | Coal Mining | 434 |
| [ ] | Coil Coating | 465 |
| [ ] | Copper Forming | 468 |
| [ ] | Dairy Products Processing | 405 |
| [ ] | Electrical and Electronic Components Manufacturing | 469 |
| [ ] | Electroplating | 413 |

| Industrial Categories | | Code of Federal Regulations (CFR) Reference No. |
|---|---|---|
| [ ] | Explosives Manufacturing | 457 |
| [ ] | Feedlots | 412 |
| [ ] | Ferroalloy Manufacturing | 424 |
| [ ] | Fertilizer Manufacturing | 418 |
| [ ] | Glass Manufacturing | 426 |
| [ ] | Grain Mills | 406 |
| [ ] | Gum and Wood Chemicals Manufacturing | 454 |
| [ ] | Hospital | 460 |
| [ ] | Ink Formulating | 447 |
| [ ] | Inorganic Chemicals Manufacturing | 415 |
| [ ] | Iron and Steel Manufacturing | 420 |
| [ ] | Leather Tanning and Finishing | 425 |
| [ ] | Meat Products | 432 |
| [ ] | Metal Finishing | 433 |
| [ ] | Metal Molding and Casting | 464 |
| [ ] | Mineral Mining and Processing | 436 |
| [ ] | Nonferrous Metals Forming Metal Powders | 471 |
| [ ] | Nonferrous Metals Manufacturing | 421 |
| [ ] | Oil and Gas Extraction | 435 |
| [ ] | Ore Mining and Dressing | 440 |
| [ ] | Organic Chemicals Plastic and Synthetic Fibers | 414 |
| [ ] | Paint Formulating | 446 |
| [ ] | Paving and Roofing Materials | 443 |
| [ ] | Pesticides Chemicals | 455 |
| [ ] | Petroleum Refining | 419 |
| [ ] | Pharmaceutical Manufacturing | 439 |
| [ ] | Phosphate Manufacturing | 422 |
| [ ] | Photographic | 459 |
| [ ] | Plastics Molding and Forming | 463 |
| [ ] | Porcelain Enameling | 466 |
| [ ] | Pulp, Paper, and Paperboard | 430 |
| [ ] | Rubber Manufacturing | 428 |
| [ ] | Soap and Detergent Manufacturing | 417 |
| [ ] | Steam Electric Power Generating | 423 |
| [ ] | Sugar Processing | 409 |
| [ ] | Textile Mills | 410 |
| [ ] | Timber Products Processing | 429 |
| [ ] | The Builders' Paper and Board Mills | 431 |

A facility with process inclusive in the above areas may be covered by Environmental Protection Agency's (EPA) categorical pretreatment standards. These facilities are termed "categorical users".

2. Give a brief description of all operations at this facility including primary products or services (includes principal raw materials, catalysts, and intermediates used in the process).

Simultaneous extraction and treatment of groundwater and soil vapor with above ground phase separation and treatment of the water stream. Groundwater treatment will be a 2-step process: physical (air stripping) followed by chemical (advanced oxidation) treatment. Oxidants to be used include ozone ($0_3$) and a 3 percent (by weight) hydrogen peroxide ($H_2O_2$) solution. Treated groundwater will be discharged to the Flowery Branch sanitary sewer collection system via a private on-site pump station.

3. Indicate applicable Standard Industrial Classification (SIC) for all processes (If more than one applies, list in descending order of importance.):

***NOT APPLICABLE***

4. PRODUCT VOLUME: ***NOT APPLICABLE***

| **Product (Brand Name)** | **PAST CALENDAR YEAR Amounts Per Day (Daily Units)** | | **ESTIMATE THIS CALENDAR YEAR Amounts Per Date (Daily Units)** | |
|---|---|---|---|---|
| | Average | Maximum | Average | Maximum |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

## SECTION C – WATER SUPPLY

1 . Water Sources: (Check as many as are applicable)

[ ] Private Well
[ ] Surface Water
[X] Municipal Water Utility (Specify City): Gainesville
[ ] Other (Specify):

2. List average water usage on premises: [New facilities may estimate]

| Type | Average Water Usage (GPD) | Indicate Estimate (E) or Measured (M) |
|---|---|---|
| a. Contact cooling water | | |
| b. Non-contact cooling water | | |
| c. Boiler feed | | |
| d. Process | | |
| e. Sanitary | 500 | Measured, based on monthly water meter readings |
| f. Air pollution control | | |
| g. Contained in product | | |

| Type | Average Water Usage (GPD) | Indicate Estimate (E) or Measured (M) |
|---|---|---|
| h. Plant & equipment wash down | | |
| i. Irrigation & lawn watering | | |
| j. Other | | |
| k. TOTAL OF A - J | 500 | Measured |

**SECTION D – SEWER INFORMATION**

1. Name, address, and location of the publicly owned treatment works (POTW) to which you discharge.

   a. Name of organization responsible for receiving waste:

   CITY OF FLOWERY BRANCH

   b. Facility receiving waste:

| | | |
|---|---|---|
| Name: FLOWERY BRANCH WPCP | | |
| Street Address: 5572 ATLANTA HIGHWAY SOUTH | | |
| City: FLOWERY BRANCH | County: HALL | State: GA |
| NPDES Permit No. GA0031933 | | |

2. List size, descriptive location, and flow of each facility sewer which connects to the City's sewer system. (If more than three, attach additional information on another sheet).

| Sewer Size | Descriptive Location of Sewer Connection or Discharge Point | Average Flow (GPD) |
|---|---|---|
| 4” Force Main | On-site privately owned pump station discharges to a manhole along the west side of Avery Drive, near its intersection with the Thurmond Tanner Parkway | 500 |

## SECTION E – WASTEWATER DISCHARGE INFORMATION

1. Provide the following information on wastewater flow rate.
(New facilities may estimate).

a. Hours/Day discharged (e.g. 8 hours/day):

| Mon | Tue | Wed | Thu | Fri | Sat | Sun |
|---|---|---|---|---|---|---|
| 24 | 24 | 24 | 24 | 24 | 24 | 24 |

b. Hours of Discharge (e.g., 9 a.m. to 5 p.m.) ***NOT APPLICABLE - CONTINUOUS***

| Mon | Tue | Wed | Thu | Fri | Sat | Sun |
|---|---|---|---|---|---|---|
| | | | | | | |

c. Peak hourly flow rate (GPD)- ~ 28,800 gallons per day

d. Maximum daily flow rate (GPD) ~ 15,000 gallons per day

e. Annual daily average (GPD) ~ 14,400 gallons per day

2. If batch discharge occurs or will occur, indicate: ***NOT APPLICABLE - CONTINUOUS***
[New facilities may estimate]

a. Number of batch discharges per day

b. Average discharge per batch (GPD)

c. Time of batch discharges (days of week) (hrs of day)

d. Flow rate (gallons/minute)

e. Percent of total discharge

3. Schematic Flow Diagram – For each major activity in which wastewater is or will be generated, draw a diagram of the flow of materials, products, water, and wastewater from the start of the activity to its completion, showing all unit processes. Indicate which processes use water and which generate wastestreams. Include the average daily volume and maximum daily volume of each wastestream [new facilities may estimate]. If estimates are used for flow data this must be indicated. Number each unit process having wastewater discharges to the community sewer. Use these numbers when showing these unit processes in the building layout in Section H.

Attachment 3 of the Permit Application Package presents the Site Location (Figure 1), proposed system layout (Figure 2), and proposed process flow diagram (Figure 3).

Facilities that checked activities in question 1 of Section B are considered Categorical Industrial Users and should skip to question 5.

4. For Non-Categorical Users Only: List average wastewater discharge, maximum discharge, and type of discharge (batch, continuous, or both), for each of your processes or proposed processes. Include the reference number from the schematic flow diagram that corresponds to each process. [New facilities should provide estimates for each discharge].

| No. | Process Description | Average Flow (GPD) | Maximum Flow(GPD) | Type of Discharge (batch, continuous, none) |
|---|---|---|---|---|
| 1 | Groundwater Treatment | 14,400 | 15,000 | Continuous |
| | | | | |

ANSWER QUESTIONS 5 & 6 ONLY IF YOU ARE SUBJECT TO CATEGORICAL PRETREATMENT STANDARDS

5. For Categorical Users: Provide the wastewater discharge flows for each of your processes or proposed processes. Include the reference number from the schematic flow diagram that corresponds to each process. [New facilities should provide estimates for each discharge].

| No. | Regulated Process | Average Flow (GPD) | Maximum Flow (GPD) | Type of Discharge (batch, continuous, none) |
|---|---|---|---|---|
| | | | | |

| No. | Unregulated Process | Average Flow (GPD) | Maximum Flow(GPD) | Type of Discharge (batch, continuous, none) |
|---|---|---|---|---|
| | | | | |

| No. | Dilution | Average Flow (GPD) | Maximum Flow (GPD) | Type of Discharge (batch, continuous, none) |
|---|---|---|---|---|
| | | | | |

6. For Categorical Users Subject to Total Toxic Organic (TTO) Requirements:
Provide the following (TTO) information:

a. Does (or will) this facility use any of the toxic organics that are listed under the TTO standard of the applicable categorical pretreatment standards published by EPA?
[ ] Yes
[ ] No

b. Has a baseline monitoring report (BMR) been submitted which contains TTO information?
[ ] Yes
[ ] No

c. Has a toxic organics management plan (TOMP) been developed?
[ ] Yes, (Please attach a copy)
[ ] No

7. Do you have, or plan to have, automatic sampling equipment or continuous wastewater flow metering equipment at this facility?

| | | | | |
|---|---|---|---|---|
| Current: | Flow Metering | [ ] Yes | [] No | [ ] N/A |
| | Sampling Equipment | [ ] Yes | [] No | [ ] N/A |
| Planned: | Flow Metering | [ X] Yes | [ ] No | [ ] N/A |
| | Sampling Equipment | [ ] Yes | [ X] No | [ ] N/A |

If so, please indicate the present or future location of this equipment on the schematic flow diagram and describe the equipment below:

| |
|---|
| A totalizing flow meter will be installed on the discharge pipe that delivers treatment system effluent to the privately owned sewer pump station located at the site. This flow meter is indicated on the proposed process flow diagram (Figure 3 of Attachment 3). |

If flow metering equipment is not installed, will water use records or other method be used and be representative of discharged flow? Explain.

| |
|---|
| Flow metering equipment will be installed. |
| |

8. Are any process changes or expansions planned during the next three years that could alter wastewater volumes or characteristics? Consider production processes as well as air or water pollution treatment processes that may affect the discharge.

[X] No
[ ] Yes, then briefly describe these changes and their effects on the wastewater volume and characteristics: (Attach additional sheets if needed.)

| |
|---|
| |
| |

9. Are any materials or water reclamation systems in use or planned?

[X] No
[ ] Yes, then briefly describe recovery process, substance recovered, percent recovered, and the concentration in the spent solution. Submit a flow diagram for each process: (Attach additional sheets if needed.)

| |
|---|
| |
| |

10. Are any other waste minimization measures used or planned?

[X] No
[ ] Yes, then briefly describe measures.

| |
|---|
| |
| |

**Section F – CHARACTERISTICS OF DISCHARGE (refer to 40 CFR Part 403.12(b) for baseline monitoring report requirements).**

1. **DATA:** Report organics and pesticides as ug/l; conventional pollutants and metals as mg/l; mass as lbs/day. All other units have been specified.

   All current industrial users are required to submit monitoring data on all pollutants that are subject to categorical standards. Use the tables provided in this section to report the analytical results. **DO NOT LEAVE BLANKS.** For all other (nonregulated) pollutants, indicate whether the pollutant is known to be present (P), suspected to be present (S), or known not to be present (O), by placing the appropriate letter in the concentration column under average of analyses. If data is available for nonregulated pollutants, please include. Indicate on either the top of each table, or on a separate sheet, if necessary, the time, date, and place of sampling, the methods of analysis, the type of sample (i.e., flow proportional composite samples, time proportional composite samples or grab samples) and the number of representative samples taken. Be sure methods conform to **40 CFR Part 136:** if they do not, indicate what method was used. A certification statement should also be provided on the table or additional sheet if necessary that such sampling and analysis are representative of normal work cycles and expected pollutant discharges to the **POTW**. A copy of a pollutant scan can be attached in lieu of completing the tables provided that all requested information is included on the scan.

   New dischargers should use the table to indicate what pollutants will be present or are suspected to be present in proposed wastestreams by placing P (expected to be present), S (may be present), or O (will not be present) in the concentration column under average of analyses. If the industry is not yet in operation, the levels of the regulated pollutants and process flows should be estimated and reported.

   When analyzing for pollutants listed in Georgia's Rules and Regulations for Water Quality Control, the applicant should ensure that the pollutants are at least analyzed down to the detection limits as specified in Attachment No. 1. If detection levels are not applicable for specific pollutants, so indicate by placing N/A under the column detection level used.

## TABLE A – POLLUTANT SPECIFIC RESULTS

| Pollutant | Detection Level Used | Maximum Daily Value | | Average Of Analyses | | **Estimated Discharge Concentration** | Units | |
|---|---|---|---|---|---|---|---|---|
| | | Conc. | Mass | Conc. | Mass | | Conc. | Mass |
| Acenaphthene | | | | O | | | | |
| Acrolein | | | | O | | | | |
| Acrylonitrile | | | | O | | | | |
| Benzene | | | | O | | | | |
| Benzidine | | | | O | | | | |
| Carbon tetrachloride | | | | O | | | | |
| Chlorobenzene | | | | O | | | | |
| 1,2,4-Trichlorobenzene | | | | O | | | | |
| Hexachlorobenzene | | | | O | | | | |
| 1,2-Dichloroethane | | | | P | | < 2 ug/l | | |
| 1, 1, I -Trichloroethane | | | | P | | < 2 ug/l | | |
| Hexachloroethane | | | | O | | | | |
| 1, 1 -Dichloroethane | | | | P | | < 2 ug/l | | |
| 1, 1, 2-Trichloroethane | | | | P | | < 2 ug/l | | |
| 1, 1, 2,2-Tetrachloroethane | | | | O | | | | |

| Pollutant | Detection Level Used | Maximum Daily Value | | Average Of Analyses | | **Estimated Discharge Concentration** | Units | |
|---|---|---|---|---|---|---|---|---|
| | | Conc. | Mass | Conc. | Mass | | Conc. | Mass |
| Chloroethane | | | | O | | | | |
| Bis(2-chloroethyl) ether | | | | O | | | | |
| 2-Chloroethyl vinyl ether | | | | O | | | | |
| 2-Chloronaphthalene | | | | O | | | | |
| 2,4,6-Trichlorophenol | | | | O | | | | |
| Parachlorometa cresol | | | | O | | | | |
| Chloroform | | | | O | | | | |
| 2-Chlorophenol | | | | O | | | | |
| 1,2-Dichlorobenzene | | | | O | | | | |
| 1,3-Dichlorobenzene | | | | O | | | | |
| 1,4-Dichlorobenzene | | | | O | | | | |
| 3,3-Dichlorobenzidine | | | | O | | | | |
| 1,1-Dichloroethylene | | | | P | | < 2 ug/l | | |
| 1,2-Trans-dichloroethylene | | | | O | | | | |
| 2,4-Dichlorophenol | | | | O | | | | |
| 1-2-Dichloropropane | | | | O | | | | |
| 1,2-Dichloropropylene | | | | O | | | | |
| 1,3-Dichloropropylene (Cis) | | | | O | | | | |
| 1,3-Dichloropropylene (Trans) | | | | O | | | | |
| 2-Methyl-4,6-Dinitrophenol | | | | O | | | | |
| 3-Methyl-4-Chlorophenol | | | | O | | | | |
| 2,4-Dimethylphenol | | | | O | | | | |
| 2,4-Dinitrotoluene | | | | O | | | | |
| 2,6-Dinitrotoluene | | | | O | | | | |
| 1,2-Diphenylhydrazine | | | | O | | | | |
| Ethylbenzene | | | | O | | | | |
| Fluoranthene | | | | O | | | | |
| 4-Chlorophenyl phenyl ether | | | | O | | | | |
| 4-Bromophenyl phenyl ether | | | | O | | | | |
| Bis(2-chloroisopropyl) ether | | | | O | | | | |
| Bis(2-chloroethoxy) methane | | | | O | | | | |
| Methylene chloride | | | | P | | < 10 ug/l | | |
| Methyl chloride | | | | O | | | | |
| Methyl bromide | | | | O | | | | |
| Bromoform | | | | O | | | | |
| Dichlorobromomethane | | | | O | | | | |
| Chlorodibromomethane | | | | O | | | | |
| Hexachlorobutadiene | | | | O | | | | |
| Hexachlorocyclopentadiene | | | | O | | | | |
| Isophorone | | | | O | | | | |
| Naphthalene | | | | O | | | | |
| Nitrobenzene | | | | O | | | | |
| Nitrophenol | | | | O | | | | |
| 2-Nitrophenol | | | | O | | | | |
| 4-Nitrophenol | | | | O | | | | |
| 2,4-Dinitrophenol | | | | O | | | | |
| 4,6-Dinitro-o-cresol | | | | O | | | | |
| N-nitrosodimethylamine | | | | O | | | | |
| N-nitrosodiphenylamine | | | | O | | | | |
| N-nitrosodi-n-propylamine | | | | O | | | | |
| Pentachlorophenol | | | | O | | | | |
| Phenol | | | | O | | | | |
| Bis(2-ethylhexyl) phthalate | | | | O | | | | |
| Butyl benzyl phthalate | | | | O | | | | |
| Di-n-butyl phthalate | | | | O | | | | |

| Pollutant | Detection Level Used | Maximum Daily Value | | Average Of Analyses | | **Estimated Discharge Concentration** | Units | |
|---|---|---|---|---|---|---|---|---|
| | | Conc. | Mass | Conc. | Mass | | Conc. | Mass |
| Di-n-octyl phthalate | | | | O | | | | |
| Diethyl phthalate | | | | O | | | | |
| Dimethyl phthalate | | | | O | | | | |
| Benzo(a)anthracene | | | | O | | | | |
| Benzo(a)pyrene | | | | O | | | | |
| 4-benzofluoranthene | | | | O | | | | |
| Benzo(k)fluoranthene | | | | O | | | | |
| Chrysene | | | | O | | | | |
| Acenaphthylene | | | | O | | | | |
| Anthracene | | | | O | | | | |
| Benzo(ghi)perylene | | | | O | | | | |
| Fluorene | | | | O | | | | |
| Phenanthrene | | | | O | | | | |
| Dibenzo(a,h)anthracene | | | | O | | | | |
| Indeno(l, 2,3-cd)pyrene | | | | O | | | | |
| Pyrene | | | | O | | | | |
| Tetrachloroethylene | | | | P | | < 2 ug/l | | |
| Toluene | | | | P | | < 2 ug/l | | |
| Trichloroethylene | | | | P | | < 2 ug/l | | |
| Vinyl chloride | | | | P | | < 2 ug/l | | |
| Aldrin | | | | O | | | | |
| Dieldrin | | | | O | | | | |
| Chlordane | | | | O | | | | |
| 4,4'-DDT | | | | O | | | | |
| 4,4'-DDE | | | | O | | | | |
| 4,4'-DDD | | | | O | | | | |
| Alpha-endosulfan | | | | O | | | | |
| Beta-endosulfan II | | | | O | | | | |
| Endosulfan sulfate | | | | O | | | | |
| Endrin | | | | O | | | | |
| Endrin aldehyde | | | | O | | | | |
| Heptachlor | | | | O | | | | |
| Heptachlor epoxide | | | | O | | | | |
| a-BHC-Alpha | | | | O | | | | |
| b-BHC-Beta | | | | O | | | | |
| d-BHC-Delta | | | | O | | | | |
| PCB-1242 | | | | O | | | | |
| PCB-1254 | | | | O | | | | |
| PCB-1221 | | | | O | | | | |
| PCB-1232 | | | | O | | | | |
| PCB-1248 | | | | O | | | | |
| PCB-1260 | | | | O | | | | |
| PCB-1016 | | | | O | | | | |
| Toxaphene | | | | O | | | | |
| (TCDD) | | | | O | | | | |
| Asbestos | | | | O | | | | |
| Acidity mg($CaCO_3$.)/L | | | | S* | | | | |
| Alkalinity mg($CaCO_3$.)/L | | | | P | | 8.1 mg/L as $CaCO_3$ | | |
| Fecal Coliform Bacteria (#/100 ml) | | | | O | | | | |
| Chloride | | | | P | | 7 mg/L | | |
| Chlorine | | | | O | | | | |
| Fluoride | | | | O | | | | |
| Hardness mg($CaCO_3$.)/L | | | | P | | 13.6 mg/L | | |

| Pollutant | Detection Level Used | Maximum Daily Value | | Average Of Analyses | | **Estimated Discharge Concentration** | Units | |
|---|---|---|---|---|---|---|---|---|
| | | Conc. | Mass | Conc. | Mass | | Conc. | Mass |
| Magnesium | | | | S | | | | |
| $NH_3$-N | | | | O | | | | |
| TOC | | | | P | | 1.4 mg/L | | |
| Kjeldahl N, total | | | | S* | | | | |
| Nitrate N | | | | O | | | | |
| Nitrite N | | | | S* | | | | |
| Organic N | | | | S* | | | | |
| Orthophosphate P | | | | S* | | | | |
| Phosphorus | | | | S* | | | | |
| Lindane [Hexachlorocyclohexane (g-BHC-Gamma)] | | | | O | | | | |
| Sodium | | | | S* | | | | |
| Specific Conductivity μmhos/cm | | | | P | | | | |
| Sulfate ($SO_4$) | | | | P | | 20 – 40 mg/L | | |
| Sulfide (S) | | | | O[1] | | | | |
| Sulfite ($SO_3$) | | | | S* | | | | |
| Antimony | | | | S* | | | | |
| Arsenic | | | | S* | | | | |
| Barium | | | | O | | | | |
| Beryllium | | | | S* | | | | |
| Cadmium | | | | O | | | | |
| Chromium (total) | | | | O | | | | |
| Chromium VI | | | | O | | | | |
| Copper | | | | S* | | | | |
| Cyanide | | | | O | | | | |
| Lead | | | | S* | | | | |
| Mercury | | | | S* | | | | |
| Nickel | | | | S* | | | | |
| Selenium | | | | S* | | | | |
| Silver | | | | S* | | | | |
| Thallium | | | | S* | | | | |
| Zinc | | | | S* | | | | |
| Methoxychlor | | | | O | | | | |
| 2,4-Dichlorophenoxy propionic acid (TP Silvex) | | | | O | | | | |
| 1,4 Dioxane | | | | P | | < 3 ug/l | | |

*****Target constituent may be naturally occurring in groundwater. If present in the groundwater extracted from the Site, this constituent would likely be present in the effluent discharged from the treatment system.

[1] the treatment system includes an advanced oxidation process, which will oxidize any sulfide present in the groundwater to sulfate. Consequently, the treatment system effluent will not contain sulfide.

**TABLE B – PROHIBITED POLLUTANTS**

**Complete this table by checking the appropriate column and providing analytical results where indicated (P = known to be present, S = suspected to be present, O = known not to be present):**

| | **POLLUTANT** | P | | S | | O |
|---|---|---|---|---|---|---|
| 1 | Materials that may create a fire or explosion hazard, including wastestreams with a closed cup flash point of less than 140°F or 60°C using test methods in 40 CFR Part 261.21 | | | | | X |
| | Flash point (°F or °C) | | | | | |
| 2 | Corrosive type materials pH <5 or pH >9 | | | | | X |
| | pH (std. Units) | | | | | 6.5 – 7.0 |
| 3 | Solid or viscous pollutants in amounts, which could cause flow obstruction or interference with POTW operation. | | | | | X |
| 4 | Discharge of any pollutant (including $BOD_5$, Suspended Solids, COD, etc.) in volume or strength to cause POTW unit process upset of NPDES Permit Violations. | | | | | X |
| | $BOD_5$ (mg/l) | | | | | No data |
| | COD (mg/l) | | | | | No data |
| | Suspended Solids (mg/l) | | | | | No data |
| | Oil and Grease (mg/l) | | | | | No data |
| 5 | Heated discharges in excess of 104° F or 40° C | | | | | X |
| | Temperature (°F or °C) | | | | | Est. 19° C |
| 7 | Pollutants, which result in presence of toxic gases, vapors or fumes in a quantity that may cause acute worker health and safety problems. | | | | | X |

| | POLLUTANT | P | | S | | O |
|---|---|---|---|---|---|---|
| 8 | Any trucked or hauled pollutants to discharge points on the POTW system. | | | | | X |

2. HAZARDOUS WASTES DISCHARGED TO A POTW SEWER SYSTEM (see 40 CFR Part 403.12(P) for requirements of hazardous waste notification):

a. Do you now discharge listed or characteristic hazardous wastes as specified in 40 CFR Part 261 to a POTW sanitary sewer system?

[X] No
[ ] Yes (if the answer is "Yes" complete the following).

(i) Name of the hazardous waste as set forth in 40 CFR Part 261

(ii) EPA hazardous waste number

(iii) Type of discharge to the sewer (continuous, batch, or other)

(iv) A certification should be provided below that you have a program in place to reduce the volume and toxicity of hazardous wastes generated to the extent determined to be economically practical.

(v) Describe the program components:

b. Do you discharge more than 100 kilograms of hazardous waste per calendar month to the POTW sewer?

[X] No
[ ] Yes (if the answer is “Yes” report the following).

(i) An identification of the hazardous constituents contained in the hazardous waste as specified in 40 CFR Part 261.

An estimation of the mass and concentration of the constituents in the wastestream discharged during the calendar month.

(ii) An estimation of the mass of constituents in the wastestream expected to be discharged during the next 12 months.

c. Have you had to submit a hazardous waste notification (to the POTW that you discharge to) based on the requirements of 40 CFR Part 403.12(p)?

[X] No
[ ] Yes (if "Yes" provide the POTW name, address and date of notification).

## SECTION G – TREATMENT

1. Is any form of wastewater treatment practiced at this facility?

[ ] Yes
[X] No

2. Is any form of wastewater treatment (or changes to existing wastewater treatment) planned for this facility within the next three years?

[X] Yes, describe:

The proposed groundwater treatment system will include an air stripper followed by an advanced oxidation treatment process, as described in Attachment 2 of the Permit Application Package.

[] No

3. Treatment devices or processes used or proposed for treating wastewater or sludge (check as many as appropriate).

[ ] Air flotation
[ ] Centrifuge
[ ] Chemical precipitation
[ ] Chlorination
[ ] Cyclone
[ ] Filtration
[ ] Flow equalization
[ ] Grease or oil separation, type:
[ ] Grease trap
[ ] Grinding filter
[ ] Grit removal
[ ] Neutralization, pH correction
[ ] Ozonation
[ ] Reverse osmosis

[ ] Screen
[ ] Sedimentation
[ ] Septic tank
[ ] Solvent separation
[ ] Spill protection
[ ] Sump
[ ] Biological treatment, type:
[ ] Rainwater diversion or storage
[ X] Other chemical treatment, type: Air Stripping
[X ] Other physical treatment, type: Advanced Oxidation Process
[ ] Other type:

4. Description

Describe the pollutant loadings, flow rates, design capacity, physical size, and operating procedures of each treatment facility checked above (attach additional sheets if necessary).

Estimated influent concentrations include:

1,1-dichloroethene ~ 2,800 micrograms/liter (ug/L)
1,4-Dioxane ~ 500 ug/L
1,1,1-trichloroethane ~ 280 ug/L
1,1-dichloroethane ~ 90 ug/L
1,2-dichloroethane < 6 ug/L
total xylenes < 5 ug/L
vinyl chloride < 5 ug/L
1,1,2-trichloroethane < 3 ug/L
methylene chloride < 3 ug/L
toluene < 2 ug/L
trichloroethene < 2 ug/L
tetrachlorethene < 1 ug/L

Maximum daily flow rate of 15,000 gallons per day, and a maximum instantaneous peak flow rate of approximately 20 gallons per minute.

5. Attach a process flow diagram for each existing treatment system. Include process equipment, by-products, by-product disposal method, waste and by-product volumes, and design and operating conditions.

A process flow diagram is provided as Figure 3 of Attachment 3 of the Permit Application Package.

6. Describe any changes in treatment or disposal methods planned or under construction for the wastewater discharge to the sanitary sewer. Please include estimated completion dates.

No changes planned

7. Do you have a treatment plant operator? [X ] No [ ] Yes .
(if Yes):

| | |
|---|---|
| Name: | An Industrial Wastewater Operator licensed by the State of Georgia will be contracted by Avery Dennison to operate the System. This contract will be established following receipt of a pretreatment permit from Georgia EPD. Avery Dennison has identified Complete Water Services LLC as a potential Operator for the proposed water treatment system. A statement of qualifications and proposal from Complete Water Services LLC is provided as Attachment 5 to this permit application. |
| Title: | |
| Phone: | |
| Full Time: (specify hrs) | |
| Part Time: (specify hrs) | |

8. Is the treatment plant operator certified? [ ] No [X] Yes (if Yes):

Certification type: The Operator will be licensed, as required by the Pretreatment Permit issued for the System

Certification date & number To be provided

**SECTION H - FACILITY OPERATIONAL CHARACTERISTICS**

1. Indicate whether the facility discharge is:

[X] Continuous through the year, or
[ ] Seasonal – Circle or check the months of the year during which the business activity occurs:

J F M A M J J A S O N D

COMMENTS:

2. Does operation shut down for vacation, maintenance, or other reasons?

[ ] No
[X] Yes, indicate reasons and period when shutdown occurs:

The System will be shut down for periodic maintenance, as needed. Annual preventative maintenance will be performed in accordance with equipment manufacturer's recommendations, which may require the System to shut down.

3. List types and quantity of raw materials, catalysts, intermediates and other chemicals used or planned for use (attach list if needed).

| Chemical | Quantity |
|---|---|
| 3% (by weight ) Hydrogen Peroxide Solution | ~ 100 gallons per year |
| Liquid Oxygen for on-site ozone generation | ~ 78,300 standard cubic feet per year |

4. Building Layout - Draw to scale the location of each building on the premises. Show map orientation and location of all water meters, storm drains, numbered unit processes (from schematic flow diagram in Section E-3), public sewers, and each facility sewer line connected to the public sewers. Number each sewer.

   A blueprint or drawing of the facilities showing the above items may be attached in lieu of submitting a drawing.

   A proposed System Layout is provided as Figure 2 of Attachment 2.

**SECTION I - SPILL PREVENTION**

1. Do you have chemical storage containers, bins, or ponds at your facility? [ ] No [X] Yes

   If Yes, please give a description of their location, contents, size, type, and frequency and method of cleaning. Also indicate in a diagram or comment on the proximity of these containers to a sewer or storm drain. Indicate if buried metal containers have cathodic protection.

   Liquid oxygen and hydrogen peroxide solution (3% by weight) will be stored at and consumed by the water treatment system. Liquid oxygen will be stored in dewars provided by the chemical supplier. These containers will be returned to the chemical supplier once they are emptied; they will not be cleaned or serviced at the Site. A 100- gallon, double walled hydrogen peroxide storage tank will be located in the advanced oxidation treatment enclosure. This tank will not be cleaned or serviced during the 2-year design life of the treatment system. The storage containers described above will be located above grade. A storm drain is located approximately 110 feet to the west of the proposed hydrogen peroxide solution storage area, as shown on the proposed System Layout (Figure 2 of Attachment 3).

2. Do you have floor drains in your manufacturing or chemical storage area(s)? [X] No [ ] Yes
   if Yes, where do they discharge to?

3. If you have chemical storage containers, bins, or ponds in manufacturing area, could an accidental spill lead to a discharge to: (check all that apply).

   [ ] an on-site disposal system
   [ ] public sanitary sewer system (e.g. through a floor drain)
   [X] storm drain
   [X] to ground
   [ ] other, specify:

   [ ] not applicable, no possible discharge to any of the above routes

4. Do you have an accidental spill prevention plan (ASPP) to prevent spills of chemicals or slug discharges from entering the City's collection system?

[] No
[X] Yes (Please enclose a copy with the application)
[] N/A, not applicable since there are no floor drains and/or the facility discharges only domestic wastes.

Spill prevention is addressed in the Best Management Practices Plan (BMP Plan) for the System, which is provided as Attachment 6 of the permit application package.

## SECTION J - NON-DISCHARGED WASTES

1. Are any waste liquids or sludges generated and not disposed of in the sanitary sewer system?

[ ] No, skip the remainder of Section J.
[X] Yes, please describe below (attach additional sheets if necessary)

| Waste Generated | Quantity (per year) | Disposal Method | Treatment Facility On-site/Off-site |
|---|---|---|---|
| Scale removed from the air stripper | Est. < 50 lbs/year | Landfill | Off-site |
| Waste Sealant Oil | Est. 20 gallons/year | | Off-Site |
| | | | |
| | | | |

Scale-forming precipitates may accumulate on the trays of the air stripper due to concentrations of inorganic compounds present in the groundwater such as iron, calcium, and magnesium. Accumulation of these precipitates may, over time, interfere with operation of the Air Stripper. In this event, the System would be shut down, and the air stripper trays would be manually cleaned to remove the accumulated scale. The wash water and scale will be collected, containerized, characterized, and transported to an appropriately licensed off-site disposal facility.

Based on available groundwater quality data, and the results of treatability tests, scale forming precipitates will accumulate slowly, requiring infrequent (a few times a year) scale removal events to be performed.

Sealant oil will be utilized by the liquid ring vacuum pump in a closed-loop system included with the liquid ring pump assembly. The sealant oil will be replaced as recommended by the pump manufacturer, likely on an annual schedule. The waste sealant oil collected from the liquid ring pump will be managed by Evergreen Waste, LLC.

2. If any of your wastes identified in No. 1 are sent to an off-site centralized waste treatment facility, identify the facility's name and location?

Sumpter County Landfill, Americus, GA

3. If an outside firm removes any of the waste, described in No. 1 above, state the name(s) and addresses) of all waste haulers:

a. Evergreen Waste, LLC

Permit No. (if applicable): GAR 000 034 710

b.

Permit No. (if applicable):

4. If any wastes are stored on site for greater than 90 days provide the following:

Method: [X ] drum, [ ] roll-off container, [ ] tank, [ ] lagoon,

[ ] other (specify)

Typical length of time waste stored: [ ] days [ ] weeks [6 ] months

Typical volume of waste stored: [ ] tons [55 ] gallons

Is storage site diked? [ ] Yes [X] No

Surface drainage collection: [ ] Yes [X] No

5. Have you been issued any Federal, State, or local environmental permits?

[X] No
[ ] Yes

If Yes, please list the permit(s):

6. In the event of discharge to storm sewer or surface water, has an NPDES Permit been applied for? ***NOT APPLICABLE***
[ ] No
[ ] Yes

If Yes, please indicate the permit number or application date:

**SECTION K - AUTHORIZED SIGNATURES**

Compliance Certification:

1. Are all applicable Federal, State, or local pretreatment standards and requirements being met on a consistent basis?

[ ] No
[ ] Yes
[X] Not yet discharging

2. If No:

a. What additional operations and maintenance procedures are being considered to bring the facility into compliance? Also, list additional treatment technology or practice being considered in order to bring the facility into compliance.

b. Provide a schedule for bringing the facility into compliance. Specify major events planned along with reasonable completion dates. Note that if the Georgia Environmental Protection-Division issues a permit to the applicant, it may establish a schedule for compliance different from the one submitted by the facility.

| Milestone Activity | Completion Date |
|---|---|
| | |
| | |
| | |
| | |
| | |
| | |
| | |

Authorized Representative Statement

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| Bruce Martin | Corp. Mgr. Env. Remediation Svcs | |
|---|---|---|
| Name(s) | Title | |
| Bruce Martin | 4-19-12 | 508/476-5041 |
| Signature | Date | Phone |

# Attachment A
# PRIORITY POLLUTANTS

| CHEMICAL CONSTITUENTS | DETECTION LIMIT (PQL) |
|---|---|
| Methoxychlor | 0.3 µ/l |
| 2,4-Dichlorophenoxyacetic acid (2,4-D) | 5 µ/l |
| 2,4,5-Trichlorophenoxy propionic acid (TP Silvex) | 10 µ/l |
| Antimony | 5 µ/l |
| Arsenic | 5 µ/l |
| Beryllium | 1 µ/l |
| Cadmium | 0.7 µ/l |
| Chromium (Total) | 5 µ/l |
| Chromium (VI) | 10 µ/l |
| Copper | 5 µ/l |
| Lead | 1 µ/l |
| Mercury | 0.5 µ/l |
| Nickel | 5 µ/l |
| Selenium | 5 µ/l |
| Silver | 5 µ/l |
| Thallium | 1 µ/l |
| Zinc | 10 µ/l |
| Cyanide | 25 µ/l |
| Acrolein | 50 µ/l |
| Acrylonitrile | 50 µ/l |
| Benzene | 2 µ/l |
| Bromoform (Tribromomethane) | 10 µ/l |
| Carbon Tetrachloride | 2 µ/l |
| Chlorobenzene | 10 µ/l |
| Chlorodibromomethane | 10 µ/l |
| Chloroethane | 5 µ/l |
| 2-Chloroethylvinyl Ether | 10 µ/l |
| Chloroform (Trichloromethane) | 2 µ/l |
| Dichlorobromomethane | 10 µ/l |
| 1, 1 –Dichloroethane | 2 µ/l |
| 1,2-Dichloroethane | 2 µ/l |
| 1, 1 –Dichloroethylene | 2 µ/l |
| 1,2-Dichloropropane | 2 µ/l |
| 1,3-Dichloropropylene (Cis) | 2 µ/l |
| 1,3-Dichloropropylene (Trans) | 2 µ/l |
| Ethylbenzene | 2 µ/l |
| Methyl Bromide (Bromomethane) | 10 µ/l |
| Methylene Chloride | 10 µ/l |
| Methyl Chloride (Chloromethane) | 10 µ/l |
| 1,1,2,2-Tetrachloroethane | 2 µ/l |
| Tetrachloroethylene | 2 µ/l |
| Toluene | 2 µ/l |
| 1,2-Trans-Dichloroethylene | 2 µ/l |
| 1,1,1-Trichloroethane | 2 µ/l |
| 1,1,2-Trichloroethane | 2 µ/l |
| Trichloroethylene | 2 µ/l |
| Vinyl Chloride | 10 µ/l |
| 2-Chlorophenol | 10 µ/l |
| 2,4-Dichlorophenol | 10 µ/l |
| 2,4-Dimethylphenol | 10 µ/l |
| 2-Methyl-4, 6-Dinitrophenol (4,6-Dinitro-o-cresol) | 50 µ/l |
| 2,4-Dinitrophenol | 50 µ/l |
| 2-Nitrophenol | 50 µ/l |
| 4-Nitrophenol | 50 µ/l |
| 3-Methyl-4-Chlorophenol (Parachlorometa cresol) | 10 µ/l |
| Pentachlorophenol | 20 µ/l |
| Phenol | 10 µ/l |
| 2,4,6-Trichlorophenol | 10 µ/l |
| Acenaphthene | 10 µ/l |
| Acenaphthylene | 10 µ/l |
| Anthracene | 10 µ/l |
| Benzidine | 80 µ/l |
| Benzo(a)Anthracene | 10 µ/l |
| Benzo(a)Pyrene | 10 µ/l |

| CHEMICAL CONSTITUENTS | DETECTION LIMIT (PQL) |
|---|---|
| 3,4-Benzofluoranthene | 10 µ/l |
| Benzo(ghi)Perylene | 10 µ/l |
| Benzo(k)Fluoranthene | 10 µ/l |
| Bis(2-Chloroethoxy)Methane | 10 µ/l |
| Bis(2-Chloroethyl)Ether | 10 µ/l |
| Bis(2-Chloroisopropyl)Ether | 10 µ/l |
| Bis(2-Ethylhexyl)Phthalate | 10 µ/l |
| 4-Bromophenyl Phenyl Ether | 10 µ/l |
| Butylbenzyl Phthalate | 10 µ/l |
| 2-Chloronaphthalene | 10 µ/l |
| 4-Chlorophenyl Phenyl Ether | 10 µ/l |
| Chrysene | 10 µ/l |
| Dibenzo(a,h)Anthracene | 10 µ/l |
| 1,2-Dichlorobenzene | 10 µ/l |
| 1,3-Dichlorobenzene | 10 µ/l |
| 1,4-Dichlorobenzene | 10 µ/l |
| 3,3-Dichlorobenzidine | 20 µ/l |
| Diethyl Phthalate | 10 µ/l |
| Dimethyl Phthalate | 10 µ/l |
| Di-n-Butyl Phthalate | 10 µ/l |
| 2,4-Dinitrotoluene | 20 µ/l |
| 2,6-Dinitrotoluene | 20 µ/l |
| Di-n-Octyl Phthalate | 10 µ/l |
| 1,2-Diphenylhydrazine | 10 µ/l |
| Fluoranthene | 10 µ/l |
| Fluorene | 10 µ/l |
| Hexachlorobenzene | 10 µ/l |
| Hexachlorobutadiene | 10 µ/l |
| Hexachlorocyclopentadiene | 10 µ/l |
| Hexachloroethane | 10 µ/l |
| lndeno(1,2.3-cd)Pyrene | 10 µ/l |
| lsophorone | 10 µ/l |
| Naphthalene | 10 µ/l |
| Nitrobenzene | 10 µ/l |
| N-Nitrosodimethylamine | 10 µ/l |
| N-Nitrosodi-n-Propylamine | 10 µ/l |
| N-Nitrosodiphenylamine | 10 µ/l |
| Phenanthrene | 10 µ/l |
| Pyrene | 10 µ/l |
| 1,2,4-Trichlorobenzene | 10 µ/l |
| Aldrin | 0.1 µ/l |
| a-BHC-Alpha | 0.1 µ/l |
| b-BHC-Beta | 0.1 µ/l |
| Lindane [Hexachlorocyclohexane (g-BHC-gamma)] | 0.1 µ/l |
| d-BHC-Delta | 0.1 µ/l |
| Chlordane | 0.5 µ/l |
| 4,4-DDT | 0.2 µ/l |
| 4,4-DDE | 0.2 µ/l |
| 4,4-DDD | 0.2 µ/l |
| Dieldrin | 0.1 µ/l |
| a-Endosulfan | 0.5 µ/l |
| b-Endosulfan | 0.5 µ/l |
| Endosulfan sulfate | 0.5 µ/l |
| Endrin | 0.2 µ/l |
| Endrin Aldehyde | 0.2 µ/l |
| Heptachlor | 0.1 µ/l |
| Heptachlor Epoxide | 0.1 µ/l |
| PCB-1242 | 1 µ/l |
| PCB-1254 | 1 µ/l |
| PCB-1221 | 1 µ/l |
| PCB-1232 | 1 µ/l |
| PCB-1248 | 1 µ/l |
| PCB-1260 | 1 µ/l |
| PCB-1016 | 1 µ/l |
| Toxaphene | 2 µ/l |

AS OF: June 26, 2001

# Attachment 2

# Proposed Multiphase Extraction and Groundwater Treatment System Description

# Proposed Multiphase Extraction and Groundwater Treatment System Description

**April 2012**

**Prepared For:**
**Avery Dennison Corporation**
**4350 Avery Drive**
**Flowery Branch, Georgia**

The Johnson Company

ENVIRONMENTAL SCIENCE AND ENGINEERING SOLUTIONS

PARTNERS FOR SMART THINKING AND CREATIVE STRATEGIES

## TABLE OF CONTENTS

1.0 INTRODUCTION ..... 1
1.1 BACKGROUND ..... 1
2.0 REMEDIATION SYSTEM DESCRIPTION ..... 2
2.1 DESIGN FLOW RATES ..... 2
2.2 SOIL VAPOR MANAGEMENT ..... 3
2.3 GROUNDWATER TREATMENT COMPONENTS ..... 3
2.3.1 Air Stripper ..... 3
2.3.2 Advanced Oxidation ..... 4
2.4 EFFLUENT CONVEYANCE ..... 5
3.0 INSTRUMENTATION AND CONTROLS ..... 6
4.0 REFERENCES ..... 7

## LIST OF APPENDICES

Appendix A: Multi-Phase Extraction Pilot Test Report
Appendix B: Advanced Oxidation Bench Scale Treatability Study Report
Appendix C: Air Stripper Model Inputs and Results
Appendix D: Existing Sewer Pump Station Details

# 1.0 INTRODUCTION

This document describes the proposed multiphase extraction (MPE) and groundwater treatment system (the System) that will be installed at the Avery Dennison Facility located at 4350 Avery Drive Flowery Branch, Georgia (the Site) as part of Avery Dennison's voluntary response per the Voluntary Remediation Program Act. The project background, System components, proposed operations and monitoring schedule, and Best Management Practices are described herein.

## 1.1 BACKGROUND

Several years ago, an accidental release of solvent containing primarily 1,1,1-trichloroethane (1,1,1-TCA) occurred from an above ground storage tank onto the ground surface adjacent to the southern wall of the Avery Dennison Facility. A limited excavation was promptly performed to remove affected soil. As part of a subsequent comprehensive assessment of soil and groundwater performed by Avery Dennison to meet its requirements under the Hazardous Substances Response Act (HSRA), and under the oversight of the Georgia Environmental Protection Division (EPD), a source area of volatile organic compounds (VOC) was delineated near the southern corner of the Avery Dennison Facility (hereinafter referred to as the Southern Source Area (SSA)). The primary constituents of the SSA were determined to be 1,1,1-TCA, 1,1-dichloroethene (1,1-DCE) and 1,4-dioxane (a common stabilizer in 1,1,1-TCA solvent).

Avery Dennison is voluntarily and proactively proceeding with remediation of the soil and groundwater of the SSA. In November 2010, a multiphase extraction (MPE) Pilot test was conducted, and results indicate that MPE is an effective remediation technology for the Site (see the MPE Pilot Test Report in Appendix A). In addition, a treatability study of groundwater from the SSA identified air stripping and advanced oxidation as effective treatment technologies for reducing the VOC and 1,4-dioxane concentrations present in the groundwater. A report describing the treatability study results is provided in Appendix B.

Based on the results of the MPE pilot test and advanced oxidation treatability study, a full-scale MPE and groundwater treatment System (the System) has been designed for implementation in the SSA. The System is described in the following sections.

## 2.0 REMEDIATION SYSTEM DESCRIPTION

The proposed System will simultaneously extract soil vapor and groundwater from the subsurface using a liquid ring vacuum pump attached to approximately ten extraction wells. Figures showing the preliminary proposed system layout and the process flow diagram are provided in Attachment 3 of the Permit Application Package to which this document is attached. The extracted soil vapor and groundwater will flow through 2-inch diameter schedule 40 polyvinyl chloride (PVC) pipes to a manifold located near the proposed treatment system. From the pipe manifold, the extracted groundwater and soil vapor will flow through a single 4-inch diameter PVC header pipe to a liquid/soil vapor separation (knockout) tank. In the knockout tank, groundwater will be separated from the soil vapor. From the knockout tank, soil vapor will pass through the liquid ring pump and flow to a vapor exhaust point located above the roofline of the existing facility. Extracted groundwater will be pumped from the knockout tank to an influent storage tank, an air stripper, and an advanced oxidation treatment system prior to being discharged to an existing on-site sanitary sewer service that flows by gravity to a pump station before entering the Flowery Branch Sewer Collection System.

### 2.1 DESIGN FLOW RATES

Based on the MPE pilot test results (Appendix A), it is anticipated each extraction well will yield approximately 1 gallon per minute (gpm) of groundwater and approximately 30 standard cubic feet per minute (scfm) of soil vapor, resulting in a combined groundwater flow rate of approximately 10 gpm and a combined soil vapor flow rate of 300 scfm through the System. The location of the extraction wells may be modified during the implementation of the remediation effort; however, no more than approximately 10 wells will be in operation at any one time. The discharge agreement in place between the City of Flowery Branch and Avery Dennison (included as Attachment 4 of the Permit Application Package) allows for groundwater

flows of up to 15,000 gallons per day (gpd) (10.4 gpm) to be discharged from the System to the Flowery Branch POTW. The System effluent flow rate will be monitored by the Operator to prevent effluent flows from exceeding the design flow rate. System instrumentation and controls are described in Section 3.

## 2.2 SOIL VAPOR MANAGEMENT

Soil vapor extracted by the MPE System will be separated from extracted groundwater in the knockout tank. From the knockout tank, soil vapor will flow through the liquid ring pump to a vapor exhaust point located above the roofline of the existing building at the Site. A sample port will be installed in the soil vapor exhaust duct to facilitate sample collection and monitoring. Extracted soil vapors will be managed in accordance with Georgia Air Quality Control Rules Chapter 391-3-1.

## 2.3 GROUNDWATER TREATMENT COMPONENTS

The System will include three components to manage extracted groundwater: an influent storage tank to provide hydraulic equalization of influent flows; an air stripper treatment unit to reduce VOC concentrations; and an advanced oxidation treatment unit to reduce 1,4-dioxane concentrations. The influent storage tank will be an above-ground fully enclosed tank designed for holding water. This storage tank will provide hydraulic equalization of the groundwater flow from the knockout tank, allowing water to be withdrawn from the tank at a consistent flow rate. This will improve the operating characteristics of the air stripper and advanced oxidation treatment units.

### *2.3.1 Air Stripper*

Groundwater will be pumped from the influent storage tank to the top of a shallow tray air stripper. The groundwater will flow downward through the air stripper via gravity, passing over a series of shallow perforated trays. Fresh air will flow vertically upwards through perforations the air stripper trays, in the opposite direction of the groundwater. This countercurrent air flow will facilitate mass transfer of VOC from the groundwater to the air

flowing through the stripper. Treated groundwater will collect in the air stripper sump before being pumped to the advanced oxidation transfer tank. The air will exit the top of the air stripper, and flow through an exhaust duct to an air stripper exhaust point located above the building's roofline, near the vapor exhaust point. Air exhausted from the air stripper will be managed in accordance with Georgia Air Quality Control Rules Chapter 391-3-1.

Air stripping is a proven treatment technology for reducing VOC concentrations in groundwater. Air stripper treatment was simulated during the advanced oxidation treatability study performed in 2011. The advanced oxidation treatability study report (Appendix B) indicated bench-scale air stripping was effective at reducing VOC concentrations present in the groundwater. A vendor supplied software model was utilized to evaluate treatment efficiency and predict effluent VOC concentrations from a shallow tray air stripper, based on VOC concentrations reported for samples collected from the Site (JCO, 2010). Results are provided in Appendix C, and indicate air stripping will reduce VOC concentrations to less than 1 microgram per liter (ug/L) in the discharge effluent.

### *2.3.2 Advanced Oxidation*

Liquid effluent in the air stripper will collect in a sump at the bottom of the stripper. From this sump, the effluent will be pumped to the advanced oxidation treatment unit's recirculation tank. The advanced oxidation treatment unit will reduce 1,4-dioxane concentrations using hydroxyl radicals to oxidize 1,4-dioxane to water and carbon dioxide (EPA, 2006). This advanced oxidation process (AOP) is a proven technology for destruction of 1,4-dioxane (and other VOC) in water (EPA, 2006), and does not generate any treatment residuals or waste by-products. An AOP bench scale test was conducted in April 2011 using groundwater collected from the Site. The results of the bench test (Appendix B) indicate that the AOP process can reduce 1,4-dioxane concentrations (maximum anticipated concentration of 500 µg/L) to less than 3 µg/L.

The treated water will then be discharged into the City of Flowery Branch sanitary sewer system. The MPE system is expected operate continuously and discharge up to 15,000 gallons of treated water per day for approximately two to three years.

## 2.4 EFFLUENT CONVEYANCE

The Site is currently connected to the Flowery Branch sewer collection system via an on-site pump station (owned by Avery Dennison) that conveys sewage from the Site. The proposed system will discharge treated groundwater to the existing building sewer pipe that connects to the existing pump station at the Site (see Figure 2 in Attachment 3 to the Pretreatment Permit Application Package). The pump station discharges sewage via a 4-inch diameter force main that terminates at a Flowery Branch sanitary manhole along Avery Drive, approximately 1,000 feet north of the pump station.

The existing pump station is equipped with dual alternating pumps, each capable of pumping approximately 115 gpm. These pumps were designed to operate approximately 54 minutes per day, based on a design flow of 6,540 gallon per day (GPD) (for a fully-occupied building). Available information about the pump station design is included in Appendix D. Currently, the building is substantially vacant. Recent water meter readings indicate the current water use at the Site is 500 gpd, based on the November 2011 water use bill from the City of Gainesville. This flow rate is approximately three percent of the design capacity of the pump station.

The proposed treatment system has a design flow rate of 10 gpm, with a maximum daily flow of 15,000 gpd (10.4 gpm). During peak flows, the proposed discharge from the treatment system will increase the total flow to the pump station by 15,000 GPD. If the pump station were receiving the design flow rate of sewage based on a fully-occupied building (6,540 gpd), the combined flow rate entering the pump station would be 21,540 GPD. For this combined flow, the pumps would operate approximately 169 minutes in a 24 hour period (12 percent of the day).

This evaluation indicates the pump station's capacity is adequate to receive treated groundwater flows from the proposed system in addition to the sewage flows from the building.

The pump station is equipped with a high water level alarm that will activate in the event of a pump failure. The System will include process controls connected to this high level alarm that will prevent System operations when the pump station high level alarm is activated. These controls are described in Section 3.

## 3.0 INSTRUMENTATION AND CONTROLS

The System will be operated by a programmable logic controller (PLC) designed to continuously monitor operating conditions. The PLC will be programmed to automatically shut down the System (stopping discharge of water to the sanitary sewer) if it is not operating properly. The PLC will also allow remote monitoring of key system parameters using a web interface. In addition to the continuous monitoring by the PLC, a trained system operator will conduct routine site visits to inspect and optimize the MPE system. The routine site visits will be conducted in accordance with a system-specific Pretreatment Permit from the State of Georgia Department of Natural Resources Environmental Protection Division (GA EPD), and in accordance with the requirements of the Flowery Branch publicly owned treatment works (POTW). The POTW requirements are described in Attachment 4 of the Permit Application Package, and include collecting grab samples from the System effluent on a 14-day schedule for the first three months of operation.

The pump station is equipped with a high water level alarm that will activate in the event of a pump failure. The proposed groundwater treatment system will include a programmable logic controller (PLC) that will monitor operating parameters and control the operation of treatment system equipment. This PLC will be connected to the high water level alarm associated with the pump station. If the pump station high level alarm becomes activated, the PLC will shut down the system, and prevent the system from operating until the high water level alarm is deactivated.

## 4.0 REFERENCES

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# APPENDIX A

# MPE PILOT TEST REPORT

# SOUTHERN SOURCE AREA MULTI-PHASE EXTRACTION PILOT TEST REPORT

**March 2011**

**Avery Dennison Facility**
**Flowery Branch, Georgia**
**HSI No. 10578**

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## EXECUTIVE SUMMARY

A pilot test of multi-phase extraction (MPE) was performed in November 2010 to assess MPE as a potential remediation technology for volatile organic compounds (VOC) present in the unsaturated soil and shallow groundwater portion of the southern source area (SSA) of the Avery Dennison Site in Flowery Branch, Georgia. Specifically, the pilot test provides Site-specific experience and design parameters for application to a full-scale MPE system.

Two separate MPE wells were installed in the SSA for the purposes of the pilot test. Initially, a 'step test' was performed at each MPE well to select an applied vacuum for use in the subsequent 55-hour 'constant rate' portion of the test – the selected vacuum is that which was expected to produce the most efficient capture of water and vapor from the desired target treatment zone. The MPE pilot test results indicate that VOC in unsaturated and shallow saturated soils of the SSA are amenable to treatment using a full-scale MPE system. More specifically, the results from the MPE pilot tests performed at the Site indicate the following:

- A full-scale MPE system is likely to:
  - require a vacuum of up to 270 inches of water be applied at each MPE well;
  - produce an average vacuum radius of influence (ROI) of 30 to 40 feet and an extracted air flow rate of 15 to 40 scfm at each MPE well;
  - produce an extracted groundwater flow rate of 1 to 2 gpm at each MPE well;
  - have an average initial VOC concentration in the air stream of approximately 600 ppmv that decreases to approximately 200 ppmv a few days after startup; and
  - have an average initial VOC concentration in the groundwater stream of approximately 1 ppm that decreases to approximately 0.5 ppm a few days after startup.
- The design spacing of an MPE well field must account for: subsurface vacuum ROI and air extraction flow rates observed in the MPE pilot test; overlapping drawdown of the water table associated with multiple extraction points; and selecting groundwater extraction rates that ensure groundwater drawdown adequately dewaters the portion of shallow groundwater containing elevated VOC mass, exposing it to applied vacuum and air flow.
- The measured VOC concentrations in the air stream and the anticipated air flow rates appear to be amenable to treatment using GAC, thermal oxidation, or catalytic oxidation.
- The measured VOC concentrations in groundwater (excluding 1,4-dioxane) and the anticipated groundwater extraction rates appear to be amenable to treatment using GAC, an air stripper, or advanced oxidation processes.
- The presence of 1,4-dioxane in extracted groundwater will likely require treatment of groundwater using advanced oxidation processes.

## TABLE OF CONTENTS

**1.0 INTRODUCTION ..... 1**
**2.0 INSTALLATION OF MULTI-PHASE EXTRACTION WELLS AND PRESSURE TRANSDUCERS ..... 2**
**2.1 MPE EXTRACTION WELL INSTALLATION ..... 2**
**2.2 PRESSURE TRANSDUCER INSTALLATION ..... 3**
**3.0 MPE TEST PROCEDURES ..... 4**
**3.1 STEP TEST ..... 4**
**3.2 CONSTANT RATE TEST ..... 5**
**4.0 MPE TEST RESULTS ..... 7**
**4.1 STEP TEST ..... 7**
**4.2 CONSTANT RATE TEST ..... 8**
*4.2.1 Water Table Drawdown* ..... 8
*4.2.2 Subsurface Vacuum Distribution* ..... 9
*4.2.3 Saturated Zone Transmissivity* ..... 9
*4.2.4 Air Effluent from the MPE System* ..... 10
*4.2.5 Water Effluent from the MPE System* ..... 10
**5.0 SUMMARY OF CONCLUSIONS ..... 12**

## LIST OF TABLES


1 Summary of Applied Vacuums and Operation Times – MPE Step Test
2 Summary of Applied Vacuums and Operation Times – MPE Constant Rate Test
3 Average Air and Groundwater Extraction Rates – MPE Step Test
4 Summary of Spatial Monitoring Point Vacuum Data – MPE Step Test
5 Summary of Air Flow Rates and Photoionization Detector Responses – MPE Constant Rate Test
6 Summary of Groundwater Extraction Rates – MPE Constant Rate Test
7 Summary of Measured Vacuum in Monitoring Points – MPE Constant Rate Test
8 Final Monitoring Point Vacuum and Groundwater Drawdown Data – MPE Constant Rate Test
9 Estimated Hydraulic Conductivity – MPE Constant Rate Test
10 Volatile Organic Compound Concentrations Detected in Effluent Air Samples (Pre-Treatment) – MPE Constant Rate Test
11 Volatile Organic Compound Concentrations Detected in Effluent Groundwater Samples – MPE Constant Rate Test


## LIST OF FIGURES


1 Multi-Phase Extraction Pilot Test Extraction and Monitoring Locations
2 Schematic Diagram of the Extraction Wellhead Configuration
3 Extraction Well Water Level Drawdown – MPE Step Test
4 Monitoring Well Water Level Drawdown – MPE Step Test
5 Applied Vacuum and Resultant Air and Groundwater Extraction Rates – MPE Constant Rate Test
6 Extraction Well Water Level Drawdown – MPE Constant Rate Test
7 Monitoring Well Water Level Drawdown – MPE Constant Rate Test
8 Final Vacuum at Monitoring Points – MPE Constant Rate Test
9 Final Water Level Drawdown at Monitoring Points – MPE Constant Rate Test


## LIST OF APPENDICES


A Photographs and Schematics of the MPE System Setup
B Data Analysis of Hydraulic Conductivity and Vacuum Radius of Influence
C Analytical Laboratory Reports

## 1.0 INTRODUCTION

This report describes pilot tests of multi-phase extraction (MPE) performed in November 2010 as a potential remediation technology for volatile organic compounds (VOC) present in the unsaturated soil and shallow groundwater portion of the southern source area (SSA)[1] of the Avery Dennison Site in Flowery Branch, Georgia. Procedures, results, and conclusions are summarized herein.

The pilot tests were performed with the following objectives:

- evaluate the effectiveness of MPE as a remedial technology for VOC in the unsaturated soil and shallow groundwater associated with the SSA;
- determine Site-specific MPE system design parameters necessary to design a full-scale MPE system;
- measure concentrations of VOC in extracted groundwater and soil vapor to estimate potential VOC mass removal rates; and
- evaluate the effect of applied MPE vacuum on the elevation of the groundwater table within the MPE treatment zone.

Two separate MPE extraction wells were installed in the SSA for the purposes of the tests. Initially, a 'step test' was performed at each MPE extraction well for which the applied vacuum was sequentially increased in a step-wise fashion over time. For each applied vacuum step, water and vapor flow rates were measured, and the resultant water-table drawdown and distribution of subsurface vacuum were also measured. The purpose of the 'step test' was to determine the apparent optimum applied vacuum to be used for the subsequent 'constant rate' test that would most efficiently result in capture of water and vapor from the desired target treatment zone. The purpose of the constant rate test is to provide Site-specific experience and design parameters for application to a full-scale MPE system.

[1] The Southern Source Area is defined and described in the March 2010 Compliance Status Report prepared for the Site and submitted by Avery to the Georgia Environmental Protection Division.

## 2.0 INSTALLATION OF MULTI-PHASE EXTRACTION WELLS AND PRESSURE TRANSDUCERS

### 2.1 MPE EXTRACTION WELL INSTALLATION

Prior to performing the MPE pilot tests, and in order to provide test wells for the application of vacuum and the withdrawal of vapor and water, two MPE wells were installed within the footprint of the SSA. Figure 1 shows the location of the two extraction wells: MP-1, and MP-2. MP-1 is located within the building footprint, and MP-2 is located outside of the building footprint.

At each installation location, 10.5-inch diameter (approximate) borings were established using hollow stem augers to a refusal depth of approximately 47.2 feet below the floor surface at location MP-1 and 37.5 feet below ground surface at location MP-2. According to past geologic profiles at the Site, these refusal depths are within the weathered bedrock unit that underlies the saprolite residuum soils. The static groundwater table at the time of testing was approximately 15 to 16 feet below surface (ft bs); therefore, the borings extend approximately 31 to 32 feet and 21 to 22 feet into the saturated zone (before application of vacuum), respectively.

Within each boring, a MPE well constructed of 4-inch diameter, schedule 40 polyvinyl chloride (PVC) with #10 (0.010-inch) slot screens was installed with the top of the screen at 6 ft bs and the bottom of the screen located approximately one foot above the terminal depth of the boring. For each MPE well, a 1-inch diameter PVC piezometer was also installed in the boring at a location slightly offset from the MPE well casing in order to receive transducers for groundwater level measurement (see below). Each boring was then completed by surrounding the well and piezometer with #1 silica filter sand from the bottom of the boring up to a depth of 4 ft bs. Above the sand pack, field-hydrated bentonite was installed to within 1.5 ft bs. Each MPE well was then completed with a flush-mount protective cover secured in concrete from the surface to 1.5 ft bs. Following construction, each MPE well was hydraulically developed by bailing, surging, and pumping with a submersible pump until the extracted groundwater was of visibly low turbidity.

## 2.2 PRESSURE TRANSDUCER INSTALLATION

In order to provide groundwater elevation data at points within the target testing zone prior to, during, and after the MPE step tests and constant rate test, a pressure transducer capable of recording data at pre-programmed intervals was installed in a piezometer collocated with each of the MPE wells (MP-1 and MP-2), and in each of eight surrounding groundwater monitoring wells (MW-2, MW-3, MW-4, MW-5, MW-63, MW-64, MW-65S, and MW-65D). The resultant data, which is described in Section 4.0, allows for consideration of the extent and magnitude of water-table drawdown at different applied vacuum rates and measured effluent (water and air) flow rates.

## 3.0 MPE TEST PROCEDURES

### 3.1 STEP TEST

The MPE step tests were conducted using a self-contained, trailer-mounted MPE system provided by Enviro-Equipment, Inc. of Charlotte, North Carolina. Appendix A provides photographs of the MPE system setup. The specifications for the mobile MPE system are summarized below:

- 20-horsepower liquid ring vacuum pump with a nominal air flow capacity of 300 cubic feet per minute and a maximum vacuum of 394 inches of water;
- high vacuum air/water separator (knockout tank);
- 85-gallon vapor phase carbon vessel with 300 pounds (lbs) of granular activated carbon (GAC) for treating VOC in the extracted air;
- transfer pump with in-line flow meter (volume totalizer) for tracking the volume of groundwater extracted and transferred to the on-site "frac" tanks for storage and eventual approved disposal; and

  integrated gauges and/or ports for measuring system vacuum, velocity, temperature, and collecting samples of air and water for VOC concentration (photoionization detector or laboratory sample).

Figure 2 shows a schematic diagram of the wellhead configuration, which consists of a 1-inch diameter 'stinger' (a.k.a. 'slurp') tube that extends through an air-tight insertion port and into the groundwater within the well casing. Step tests were conducted on November 19, 2010 using both MPE wells (MP-1 and MP-2) at the same time. Prior to the start of the MPE step tests, the mobile MPE system was connected to the slurp tube at the applicable MPE well using an instrumented wellhead adaptor and flexible hose. Once the step test began, the vacuum applied to the MPE wells was sequentially increased in three individual steps, and the slurp tubes were periodically lowered into the MPE wells to produce and/or accommodate drawdown of the groundwater table. Table 1 presents a summary of the specific applied vacuums and operation times for each of the step tests.

During each stage of the step test, the vacuum applied to the slurp tube; the vacuum, temperature, and velocity of the air stream; the cumulative volume of groundwater extracted from the MPE wells; and the vacuum present in the MPE wells (MP-1 and MP-2) and 16 surrounding monitoring points were also measured.

### 3.2 CONSTANT RATE TEST

Following the step tests, a MPE constant rate test was conducted using both MPE wells (MP-1 and MP-2) at the same time, and using the same mobile MPE system and wellhead connections that were used for the MPE step tests. Table 2 provides a summary of the applied vacuum and operation times for the MPE constant rate test. The vacuum was applied for approximately 55 hours, beginning at 14:12 on November 19, 2010 and ending at 21:15 on November 21, 2010.

During the constant rate test, measurements of vacuum, velocity, and temperature were recorded at several locations within the MPE system. This included the vacuum applied to the slurp tube at each MPE well; the vacuum, temperature, and velocity of the combined air stream from the two MPE wells; the combined cumulative volume of groundwater extracted from the two MPE wells; and the temperature and velocity of the dilution air stream. The vacuum was also measured in the extraction wells (MP-1 and MP-2) and 28 surrounding monitoring points (see Figure 1). Adjustments to the applied vacuum and slurp tube depths were applied to maintain a relatively constant groundwater extraction rate throughout the test.

In addition, air samples were collected from the effluent air stream prior to treatment in the vapor phase carbon vessel and monitored for VOC, either by using a properly calibrated handheld photoionization detector (PID) or by submission of samples to Lancaster Laboratories, Inc. (Lancaster) for analysis of VOC by EPA Method TO-15. The three vapor samples sent to Lancaster were collected in 6 liter stainless steel Summa canisters at approximately 3, 27, and 54 hours after the start of the constant rate test. The resultant data is important for design of a vapor treatment system for a full-scale MPE application, if necessary.

Similarly, to provide data necessary for design of a water effluent treatment system for a full scale MPE application (if necessary), groundwater samples were collected from the MPE wells before the start of the MPE step test and after the end of the MPE constant rate test. These groundwater samples were submitted to Lancaster for analysis of VOC by EPA Method 8260B. Additional water samples (combined groundwater extracted by the MPE system) were collected from the MPE system discharge line at approximately 3, 27, and 54 hours after the start of the

MPE constant rate test. All three of these samples were analyzed by Lancaster for VOC by EPA Method 8260B, and the third sample was analyzed by Lancaster for select metals (calcium, iron and manganese; by Method 6010B), chloride (by Method 300.0); alkalinity to pH 4.5 and alkalinity to pH 8.3 (by Method 2320B); total hardness (by Method 2340C); and total dissolved solids (by Method 2540C).

# 4.0 MPE TEST RESULTS

## 4.1 STEP TEST

As described in Section 3, step tests were conducted in the MPE wells using average applied slurp tube vacuum steps of approximately 81.6, 180.8, and 263.7 inches of water. Table 3 presents a summary of the resultant average groundwater extraction rates for the individual steps, which were 1.2, 6.4, and 10.1 gallons per minute (gpm), respectively. The resultant average extracted air flow rates were 21.1, 25.9, and 15.7 standard cubic feet per minute (scfm), respectively. The variability in the average extracted air flow rates is the result of adjustments of the applied vacuum and the slurp tube depth during each step. Advancing the slurp tube further below the water level decreases the amount of vacuum transferred to the air phase.

Table 4 provides a summary of the vacuum response patterns measured in the 16 monitoring points used during the MPE step tests. Significant vacuum responses were noted in monitoring points up to approximately 65 feet from the extraction wells. (Note: a significant response is defined as an observed change in measured vacuum of 0.5 inches of water, or greater.) As expected, greater response is typically observed at monitoring points closer to the extraction wells. Inherent heterogeneity and preferential pathways in the subsurface cause some monitoring points closer to the extraction wells to not show a response, or a reduced magnitude of response in comparison to what is observed at more distal monitoring points.

Figures 3 and 4 present the groundwater drawdown data observed in the two MPE wells and eight nearby monitoring wells during the MPE step tests, respectively. The effect of groundwater extraction on the lowering of the water-table elevation is clearly evident, confirming the creation of an expanded vadose zone for the application of vapor recovery. These data will be useful for design of a full-scale MPE system.

Based on the observed response of the subsurface (water table drawdown, groundwater extraction rates, vacuum propagation, and air extraction rates) for each vacuum rate applied during the step tests, the applied vacuum and flow rates from the second of the three steps were selected as reasonable operational targets for the subsequent constant rate test. Available storage for liquid investigation-derived waste was also a consideration.

## 4.2 CONSTANT RATE TEST

As presented in Section 3, a constant rate MPE test was performed over a period of 55 hours using an applied vacuum determined from the outcome of the MPE step tests. After the first hour (the vacuum was gradually increased during start-up), the average vacuums applied to the MPE well slurp tubes by the manifolded system were 232.5 inches of water at MP-1 and 210.7 inches of water at MP-2. Also after the first hour, the average well casing vacuums were 75.9 inches of water in MP-1 and 57.6 inches of water in MP-2, and the average combined air and groundwater extraction rates were 28.9 scfm and 7.2 gpm, respectively. Figure 5 shows the data for these parameters over the 55-hour duration of the test. Some variability was observed in the rate of air flow extracted from the MPE wells during the test; however, this is due to slight adjustments to the applied vacuum and slurp tube depths that were performed in order to keep the groundwater extraction rate relatively constant as planned. The water-table drawdown, vacuum propagation, and water and air effluent quality are discussed below in the following subsections.

### *4.2.1 Water Table Drawdown*

Figures 6 and 7 present the water-table drawdown during the constant rate test, as measured in the MPE wells and monitoring wells, respectively. The maximum drawdown occurred near the end of the test and exceeded 16 feet in MP-1, 11 feet in MP-2, and 1 to 5 feet in the nearby monitoring wells. These data indicate sufficient water table drawdown can be achieved at flow rates that are feasible for full-scale application of MPE.

Figure 8 presents the estimated distribution of the drawdown at the conclusion of the constant rate test, and Table 8 presents a summary of the data. These data show the slight anisotropy present in the subsurface, which, along with the spatial extent of drawdown observed per extraction well, will contribute to the design of the well field orientation and density for a full-scale MPE system, if necessary.

### *4.2.2 Subsurface Vacuum Distribution*

Figure 9 shows the vacuum distribution present in the subsurface at the conclusion of the MPE constant rate test, and Table 8 presents a summary of the data. As illustrated in Figure 9, the propagation of the vacuum response was asymmetrical away from MP-1 and MP-2, with greater vacuum responses noted at monitoring points located under the building slab (near MP-1) compared to those located outside of the building footprint (near MP-2). Based on a desired minimum vacuum of 0.5 inches of water, the radius of influence (ROI) during the constant rate test is estimated at approximately 37 to 44 feet for an applied vacuum of approximately 60 to 80 inches of water.[2] Copies of the ROI analysis and calculations are presented in Appendix B. The data support that sufficient distribution of vacuum can be achieved within the target treatment zone using applied vacuums and flow rates that are feasible for a full-scale application of MPE.

### *4.2.3 Saturated Zone Transmissivity*

Table 9 provides estimates of transmissivity and hydraulic conductivity based on a Theis analysis of the water table drawdown observed in monitoring wells MW-2, MW-4, MW-5 and MW-63 over time during the MPE constant rate test. Estimated hydraulic conductivities from 2005 slug test analysis are also included in Table 9 for comparison. Based on the geometric mean of the hydraulic conductivities from the constant rate test in Table 9, the hydraulic conductivity of the unconsolidated deposits in the SSA is estimated as $1x10^{-3}$ cm/s. Inclusion of the 2005 slug test results gives a similar collective estimated geometric mean hydraulic conductivity of $6x10^{-4}$ cm/s. Copies of the Theis analysis curve matching and calculations are included in Appendix B. Hydraulic conductivity estimates are necessary for the design of the full-scale MPE system and allow for the prediction of the effectiveness of extraction well configuration options, including the number and spatial distribution of extraction wells in the treatment area, the ROI of the pumping wells, and the groundwater extraction rate required to achieve the target drawdown of the water table.

[2] Vacuum measurements from the shallow soil vapor probes (i.e., SV-01S, SV-03S, etc.) were not used for the contours in Figure 7, because the deeper, collocated soil vapor probes are more representative of the anticipated target treatment zone. The shallow soil vapor probes showed a smaller response to the applied vacuum then the deeper soil vapor probes. During a full-scale application, installation of fresh-air supply vents will improve air circulation in the shallow soils beneath the slab.

### *4.2.4 Air Effluent from the MPE System*

As described in Section 3.0, the VOC concentrations in the system's air effluent prior to treatment were determined using two methods: measurement by PID, and measurement by laboratory analyses of Summa canister samples.

Table 5 presents the results of PID measurements performed during the test. The equivalent PID response for an undiluted air stream from the MPE wells was calculated by multiplying the PID concentration measured in the diluted air stream by the ratio of the diluted air flow rate (fresh air at 0 ppmv) to undiluted air flow rate from the MPE wells. These estimates yielded undiluted air stream PID concentrations that decreased from the high of 109.1 ppmv (near the beginning of the test) to the low of 19.3 ppmv (near the end of the 55-hour test).

Table 10 presents a summary of the laboratory measurements of undiluted air effluent samples prior to treatment, and laboratory reports are presented in Appendix C. The total VOC concentration measured in the air samples (pre-treatment) decreased from the high of 595 ppmv (near the beginning of the test) to the low of 161 ppmv (near the end of the 55-hour long test).

Collectively, these results support that a full-scale application of MPE is capable of removing significant VOC mass from the target treatment zone. Of the total measured VOC in air effluent during the MPE pilot test, the composition is primarily 1,1,1-trichloroethene (1,1,1-TCA) and its daughter product (1,1-DCE). Several other VOC are present, but at substantially lower concentrations (see Appendix C). In general, the composition of the air effluent stream measured during the pilot test is considered to be amenable to treatment by GAC, thermal oxidation, or catalytic oxidation at the flow rates that could be generated during a full-scale MPE application.

### *4.2.5 Water Effluent from the MPE System*

Table 11 presents a summary of VOC concentrations measured in water samples collected from the MPE system at three separate times (early, middle, late) during the MPE constant rate test and groundwater samples collected each from extraction wells MP-1 and MP-2 before the start of the step tests, and after it. The total VOC concentrations measured in the

water samples collected during the constant rate test decreased from the high of 1,330 micrograms per liter (µg/L) (near the beginning of the test) to a low of 550 µg/L (near the end of the test). The total VOC concentrations measured in groundwater samples collected from extraction well MP-1 decreased from 4,760 µg/L prior to the step tests to 3,100 µg/L following the constant rate test. Total VOC concentrations measured in groundwater samples collected from extraction well MP-2 remained relatively constant at 96 µg/L (before the step tests) and 110 µg/L (after the constant rate test).

Of the total VOC measured in the groundwater effluent during the MPE pilot test, the VOC mass was primarily 1,1,1-TCA and 1,1-DCE, and additional degradation products. At groundwater extraction rates that are anticipated for a full-scale application of MPE, these compounds are normally amenable to treatment using GAC, an air stripper, or advanced oxidation processes. However, 1,4-dioxane, a common stabilizer used in 1,1,1-TCA and an emerging contaminant of interest for regulators, was also present in the pilot test water effluent (see laboratory reports in Appendix C). The presence of 1,4-dioxane in the extracted groundwater will likely result in a requirement for advanced oxidation treatment of full-scale MPE effluent.

The inorganic analytical results for the last water sample collected from the MPE system were: 1.89, 0.367, and 1.17 milligrams per liter (mg/L) for calcium, iron, and manganese, respectively; 7 mg/L for chloride; 8.1 and less than 2.0 mg/L as $CaCO_3$ for alkalinity to pH 4.5 and pH 8.3, respectively; 13.6 mg/L as $CaCO_3$ for total hardness; and 33.5 mg/L for total dissolved solids. Copies of the analytical laboratory reports are included in Appendix C. These inorganic data will be considered when evaluating water effluent treatment system requirements for a full-scale MPE system.

## 5.0 SUMMARY OF CONCLUSIONS

The MPE pilot test results indicate that VOC in unsaturated and shallow saturated soils of the SSA are amenable to treatment using a full-scale MPE system. More specifically, the results from the MPE pilot tests performed at the Site indicate the following:

- A full-scale MPE system will likely:
  - require a vacuum of up to approximately 270 inches of water be applied to slurp tube at each MPE well;
  - produce an average vacuum ROI of 30 to 40 feet and an extracted air flow rate of 15 to 40 scfm at each MPE well;
  - produce an extracted groundwater flow rate of 1 to 2 gpm at each MPE well;
  - have an average initial VOC concentration in the air stream at approximately 600 ppmv that decreases to approximately 200 ppmv a few days after startup; and
  - have an average initial VOC concentration in the groundwater stream at approximately 1 ppm that decreases to approximately 0.5 ppm a few days after startup.
- The design spacing of an MPE well field must account for: subsurface vacuum ROI and air extraction flow rates observed in the MPE pilot test; overlapping drawdown of the water table associated with multiple extraction points; and selecting groundwater extraction rates that ensure groundwater drawdown adequately dewaters the portion of shallow groundwater containing elevated VOC mass, exposing it to applied vacuum and air flow.
- The measured VOC concentrations in the air stream and the anticipated air flow rates appear to be amenable to treatment using GAC, thermal oxidation, or catalytic oxidation.
- The measured VOC concentrations in groundwater (excluding 1,4-dioxane) and the anticipated groundwater extraction rates appear to be amenable to treatment using GAC, air stripper, or advanced oxidation processes.
- The presence of 1,4-dioxane in extracted groundwater will likely require treatment of groundwater using advanced oxidation processes.

# TABLES

**Table 1: Summary of Applied Vacuums and Operation Times**

**MPE Step Test**

Avery Dennison Site, Flowery Branch, GA

| MPE Well: MP-1 | | | | | |
|---|---|---|---|---|---|
| | | Slurp Tube Data | | Wellhead Data | |
| Date | Time | Depth[1] (ft) | Applied Vacuum[2] (in. water) | Casing Vacuum (in. water) | Annulus Vacuum (in. water) |
| **Step 1** | | | | | |
| 11/18/2010 | 12:33 | 15.0 | 68 | -- | -- |
| 11/18/2010 | 12:37 | 15.0 | 54 | 34.6 | -- |
| 11/18/2010 | 12:38 | 15.0 | 82 | -- | 38.7 |
| 11/18/2010 | 12:39 | 15.0 | 68 | 38.1 | -- |
| 11/18/2010 | 13:41 | 15.4 | 75 | -- | -- |
| 11/18/2010 | 13:42 | 15.4 | 82 | 38.3 | -- |
| 11/18/2010 | 13:45 | 15.4 | 82 | -- | 39.3 |
| **Step 2** | | | | | |
| 11/18/2010 | 14:52 | 15.4 | 177 | 86.5 | -- |
| 11/18/2010 | 14:54 | 15.4 | 177 | -- | 88.9 |
| 11/18/2010 | 15:28 | 15.4 | 177 | 93.8 | -- |
| 11/18/2010 | 15:29 | 15.4 | 177 | -- | 87.2 |
| 11/18/2010 | 15:52 | 15.4 | 177 | 89.7 | 88.9 |
| 11/18/2010 | 16:39 | 15.4 | 190 | 99.6 | 92.9 |
| 11/18/2010 | 16:54 | 18.0 | 190 | 75.7 | 74.5 |
| 11/18/2010 | 17:41 | 18.5 | 190 | 68.7 | 63.5 |
| **Step 3** | | | | | |
| 11/18/2010 | 18:10 | 18.5 | 272 | 99.6 | 100.5 |
| 11/18/2010 | 19:15 | 29.5 | 265 | 42.3 | 40.5 |
| 11/18/2010 | 20:04 | 29.5 | 272 | 44.0 | 42.7 |

| MPE Well: MP-2 | | | | | |
|---|---|---|---|---|---|
| | | Slurp Tube Data | | Wellhead Data | |
| Date | Time | Depth[1] (ft) | Applied Vacuum[2] (in. water) | Casing Vacuum (in. water) | Annulus Vacuum (in. water) |
| **Step 1** | | | | | |
| 11/18/2010 | 11:06 | 15.0 | 82 | -- | -- |
| 11/18/2010 | 11:19 | 15.0 | 88 | -- | -- |
| 11/18/2010 | 11:43 | 16.0 | 82 | -- | -- |
| 11/18/2010 | 12:02 | 16.0 | 122 | 23.0 | 23.0 |
| 11/18/2010 | 12:10 | 16.0 | 95 | -- | -- |
| 11/18/2010 | 13:27 | 16.0 | 82 | 10.0 | 9.9 |
| **Step 2** | | | | | |
| 11/18/2010 | 14:56 | 16.0 | 177 | 52.4 | -- |
| 11/18/2010 | 14:57 | 17.0 | 177 | -- | 52.6 |
| 11/18/2010 | 15:31 | 17.0 | 190 | 54.5 | -- |
| 11/18/2010 | 15:31 | 17.0 | 190 | -- | 53.6 |
| 11/18/2010 | 15:49 | 19.0 | 177 | 42.6 | 41.1 |
| 11/18/2010 | 16:34 | 20.0 | 177 | 29.3 | 26.9 |
| 11/18/2010 | 17:43 | 20.0 | 177 | 33.6 | 32.7 |
| **Step 3** | | | | | |
| 11/18/2010 | 18:06 | 20.0 | 258 | 46.3 | 45.6 |
| 11/18/2010 | 19:17 | 20.0 | 258 | 49.5 | 49.9 |
| 11/18/2010 | 20:01 | 22.0 | 258 | 39.0 | 39.8 |
| 11/18/2010 | 20:18 | 22.0 | 258 | 39.8 | 38.9 |

**Notes:**

1) depth relative to set measurement point, which was approximately 2.3 ft above the floor slab for MP-1 and 2.1 ft above ground for MP-2

2) estimated values based on fluctuation in gauge reading

-- = not measured

ft = feet

in. water = inches of water

# Table 2: Summary of Applied Vacuum and Operation Times
## MPE Constant Rate Test
Avery Dennison Site, Flowery Branch, GA

| MPE Well: MP-1 | | | | | |
|---|---|---|---|---|---|
| | | Slurp Tube Data | | Wellhead Data | |
| Date | Time | Depth[1] (ft) | Vacuum[2] (in. water) | Casing Vacuum (in. water) | Annulus Vacuum (in. water) |
| 11/19/2010 | 14:34 | 17.5 | 136 | 32.7 | 34.5 |
| 11/19/2010 | 14:54 | 17.5 | 163 | 57.6 | 58.5 |
| 11/19/2010 | 15:35 | 17.5 | 218 | 78.4 | 80.1 |
| 11/19/2010 | 15:47 | 17.5 | 218 | 79.9 | 78.7 |
| 11/19/2010 | 16:59 | 17.5 | 218 | 83.4 | 87.8 |
| 11/19/2010 | 17:38 | 17.5 | 218 | 87.4 | 86.1 |
| 11/19/2010 | 17:58 | 17.5 | 218 | 85.4 | 86.9 |
| 11/19/2010 | 19:29 | 17.5 | 218 | 88.3 | 84.9 |
| 11/19/2010 | 19:37 | 18.0 | 218 | 85.1 | 82.7 |
| 11/19/2010 | 20:16 | 18.0 | 218 | 84.3 | 85.2 |
| 11/19/2010 | 21:12 | 18.0 | 218 | 86.9 | 82.3 |
| 11/19/2010 | 22:01 | 18.0 | 218 | 90.1 | 89.6 |
| 11/19/2010 | 22:28 | 18.0 | 231 | 93.4 | 93.6 |
| 11/19/2010 | 22:52 | 18.0 | 218 | 87.4 | 80.2 |
| 11/19/2010 | 23:30 | 18.0 | 218 | 78.6 | 78.9 |
| 11/20/2010 | 0:06 | 18.5 | 218 | 72.8 | 75.5 |
| 11/20/2010 | 0:49 | 18.5 | 218 | 74.4 | 73.6 |
| 11/20/2010 | 1:39 | 19.0 | 218 | 71.8 | 68.0 |
| 11/20/2010 | 2:09 | 19.5 | 218 | 69.1 | 65.5 |
| 11/20/2010 | 2:32 | 19.5 | 218 | 77.8 | 75.1 |
| 11/20/2010 | 3:22 | 19.5 | 204 | 67.2 | 68.8 |
| 11/20/2010 | 3:47 | 19.5 | 204 | 66.5 | 73.1 |
| 11/20/2010 | 4:53 | 19.5 | 204 | 68.8 | 75.9 |
| 11/20/2010 | 7:35 | 19.5 | 204 | 68.2 | 68.5 |
| 11/20/2010 | 9:01 | 19.5 | 204 | 60.6 | 63.6 |
| 11/20/2010 | 9:57 | 20.0 | 204 | 62.9 | 63.0 |
| 11/20/2010 | 11:02 | 20.5 | 204 | 61.7 | 54.5 |
| 11/20/2010 | 11:45 | 20.5 | 204 | 58.2 | 59.4 |
| 11/20/2010 | 13:28 | 20.5 | 204 | 57.8 | 56.5 |
| 11/20/2010 | 14:45 | 20.5 | 204 | 55.5 | 57.6 |
| 11/20/2010 | 16:00 | 20.5 | 204 | 56.2 | 57.6 |
| 11/20/2010 | 16:57 | 20.5 | 218 | 64.1 | 65.1 |
| 11/20/2010 | 19:22 | 20.5 | 218 | 62.0 | 65.6 |
| 11/20/2010 | 19:54 | 20.5 | 258 | 72.5 | 76.5 |
| 11/20/2010 | 20:25 | 20.5 | 258 | 75.4 | 76.2 |
| 11/20/2010 | 21:49 | 20.5 | 258 | 76.6 | 75.3 |
| 11/20/2010 | 22:48 | 20.5 | 272 | 81.4 | 81.1 |
| 11/20/2010 | 23:49 | 20.5 | 272 | 81.2 | 81.4 |
| 11/21/2010 | 0:51 | 20.5 | 272 | 80.8 | 79.7 |
| 11/21/2010 | 1:48 | 20.5 | 272 | 81.9 | 82.4 |
| 11/21/2010 | 2:53 | 20.5 | 272 | 82.1 | 81.7 |
| 11/21/2010 | 4:18 | 20.5 | 272 | 81.7 | 81.5 |
| 11/21/2010 | 6:40 | 20.5 | 272 | 81.9 | 81.6 |
| 11/21/2010 | 8:47 | 20.5 | 272 | 80.2 | 81.7 |
| 11/21/2010 | 10:33 | 20.5 | 258 | 76.6 | 75.1 |
| 11/21/2010 | 12:18 | 20.5 | 272 | 81.9 | 83.2 |
| 11/21/2010 | 13:46 | 20.5 | 218 | 69.0 | 68.8 |
| 11/21/2010 | 14:20 | 20.5 | 245 | 74.0 | 75.0 |
| 11/21/2010 | 15:54 | 20.5 | 258 | 82.3 | 82.7 |
| 11/21/2010 | 17:38 | 20.5 | 272 | 83.5 | 81.9 |
| 11/21/2010 | 19:30 | 20.5 | 272 | 83.0 | 82.7 |
| 11/21/2010 | 20:46 | 20.5 | 272 | 83.3 | 84.1 |

| MPE Well: MP-2 | | | | | |
|---|---|---|---|---|---|
| | | Slurp Tube Data | | Wellhead Data | |
| Date | Time | Depth[1] (ft) | Vacuum[2] (in. water) | Casing Vacuum (in. water) | Annulus Vacuum (in. water) |
| 11/19/2010 | 14:38 | 16.0 | 177 | 51.9 | 50.9 |
| 11/19/2010 | 14:50 | 16.0 | 163 | 52.6 | 50.2 |
| 11/19/2010 | 15:33 | 16.0 | 190 | 60.9 | 60.7 |
| 11/19/2010 | 15:49 | 16.0 | 190 | 62.4 | 61.7 |
| 11/19/2010 | 17:01 | 16.0 | 190 | 64.9 | 65.1 |
| 11/19/2010 | 17:30 | 16.0 | 190 | 65.4 | 65.6 |
| 11/19/2010 | 18:01 | 16.0 | 190 | 66.0 | 66.2 |
| 11/19/2010 | 19:26 | 16.0 | 190 | 65.4 | 66.2 |
| 11/19/2010 | 19:40 | 16.5 | 190 | 64.4 | 62.9 |
| 11/19/2010 | 20:19 | 16.5 | 190 | 63.0 | 63.3 |
| 11/19/2010 | 21:14 | 16.5 | 190 | 63.8 | 64.4 |
| 11/19/2010 | 22:08 | 16.5 | 204 | 70.3 | 69.5 |
| 11/19/2010 | 22:30 | 16.5 | 218 | 69.9 | 70.5 |
| 11/19/2010 | 22:55 | 16.5 | 190 | 65.2 | 64.1 |
| 11/19/2010 | 23:32 | 16.5 | 190 | 65.0 | 63.5 |
| 11/20/2010 | 0:09 | 17.0 | 190 | 61.8 | 63.1 |
| 11/20/2010 | 0:46 | 17.0 | 190 | 60.0 | 60.8 |
| 11/20/2010 | 1:42 | 17.0 | 190 | 64.1 | 63.2 |
| 11/20/2010 | 2:11 | 17.0 | 190 | 61.6 | 61.2 |
| 11/20/2010 | 2:34 | 17.0 | 190 | 60.8 | 61.8 |
| 11/20/2010 | 3:24 | 17.5 | 177 | 57.6 | 58.1 |
| 11/20/2010 | 3:50 | 17.5 | 177 | 57.3 | 56.6 |
| 11/20/2010 | 4:56 | 17.5 | 177 | 57.1 | 58.0 |
| 11/20/2010 | 7:32 | 18.0 | 204 | 56.8 | 58.5 |
| 11/20/2010 | 9:05 | 18.0 | 204 | 53.9 | 53.0 |
| 11/20/2010 | 10:00 | 18.0 | 204 | 54.4 | 53.5 |
| 11/20/2010 | 11:07 | 18.0 | 204 | 52.5 | 55.3 |
| 11/20/2010 | 11:45 | 18.5 | 204 | 52.4 | 51.0 |
| 11/20/2010 | 13:30 | 18.5 | 204 | 50.2 | 50.9 |
| 11/20/2010 | 14:48 | 18.5 | 204 | 52.1 | 51.9 |
| 11/20/2010 | 16:03 | 18.5 | 190 | 51.5 | 51.3 |
| 11/20/2010 | 16:15 | 18.5 | 204 | 56.5 | 56.3 |
| 11/20/2010 | 19:25 | 18.5 | 204 | 45.7 | 46.1 |
| 11/20/2010 | 19:57 | 18.5 | 231 | 52.2 | 52.7 |
| 11/20/2010 | 20:28 | 18.5 | 231 | 52.7 | 54.0 |
| 11/20/2010 | 21:51 | 18.5 | 231 | 52.9 | 53.0 |
| 11/20/2010 | 22:51 | 18.5 | 231 | 54.5 | 53.2 |
| 11/20/2010 | 23:52 | 18.5 | 231 | 53.3 | 54.2 |
| 11/21/2010 | 0:53 | 18.5 | 231 | 54.6 | 54.1 |
| 11/21/2010 | 1:50 | 18.5 | 231 | 54.2 | 54.2 |
| 11/21/2010 | 2:55 | 18.5 | 231 | 55.0 | 54.0 |
| 11/21/2010 | 4:22 | 18.5 | 231 | 53.8 | 53.9 |
| 11/21/2010 | 6:43 | 18.5 | 231 | 54.4 | 54.2 |
| 11/21/2010 | 8:51 | 18.5 | 238 | 55.8 | 55.4 |
| 11/21/2010 | 10:36 | 18.5 | 224 | 53.6 | 54.0 |
| 11/21/2010 | 12:20 | 18.5 | 258 | 55.8 | 55.3 |
| 11/21/2010 | 13:50 | 18.5 | 231 | 49.0 | 49.5 |
| 11/21/2010 | 14:24 | 18.5 | 238 | 52.0 | 52.4 |
| 11/21/2010 | 15:51 | 18.5 | 258 | 56.7 | 56.4 |
| 11/21/2010 | 17:41 | 18.5 | 245 | 56.1 | 56.3 |
| 11/21/2010 | 19:32 | 18.5 | 245 | 55.7 | 56.4 |
| 11/21/2010 | 20:49 | 18.5 | 231 | 55.9 | 55.9 |

**Notes:**

1) depth relative to set measurement point, which was approximately 2.3 ft above the floor slab for MP-1 and 2.1 ft above ground for MP-2

2) vacuums fluctuated continuously due to multi-phase flow in piping; therefore, all recorded vacuums are approximate

ft = feet

in. water = inches of water

**Table 3: Average Air and Groundwater Extraction Rates**
**MPE Step Test**
Avery Dennison Site, Flowery Branch, GA

| Step | Average Water Flow Rate (gpm) | Average Air Flow Rate (scfm) |
|---|---|---|
| 1 | 1.2 | 21.1 |
| 2 | 6.4 | 25.9 |
| 3 | 10.1 | 15.7 |

**Notes:**
gpm = gallons per minute
scfm = standard cubic feet per minute

**Table 4: Summary of Spatial Monitoring Point Vacuum Data**
**MPE Step Test**
Avery Dennison Site, Flowery Branch, GA

| | MW-1 | | MW-2 | | MW-3 | | MW-4 | |
|---|---|---|---|---|---|---|---|---|
| | $d_{MP-1}$ = 85 ft<br>$d_{MP-2}$ = 78 ft | | $d_{MP-1}$ = 77 ft<br>$d_{MP-2}$ = 49 ft | | $d_{MP-1}$ = 40 ft<br>$d_{MP-2}$ = 12 ft | | $d_{MP-1}$ = 78 ft<br>$d_{MP-2}$ = 40 ft | |
| **Date** | Time | Vacuum (in. water) | Time | Vacuum (in. water) | Time | Vacuum (in. water) | Time | Vacuum (in. water) |
| 11/18/2010 | 13:24 | 0.0 | 13:23 | 0.0 | 11:59 | 0.8 | 13:18 | 0.0 |
| 11/18/2010 | 15:21 | 0.0 | 15:20 | 0.0 | 13:25 | 1.1 | 15:19 | 0.0 |
| 11/18/2010 | | | | | 15:07 | 3.5 | 19:22 | 0.04 |
| 11/18/2010 | | | | | 19:20 | 5.3 | | |

| | MW-5 | | MW-63 | | MW-64 | | MW-65S | |
|---|---|---|---|---|---|---|---|---|
| | $d_{MP-1}$ = 63 ft<br>$d_{MP-2}$ = 32 ft | | $d_{MP-1}$ = 49 ft<br>$d_{MP-2}$ = 85 ft | | $d_{MP-1}$ = 10 ft<br>$d_{MP-2}$ = 37 ft | | $d_{MP-1}$ = 46 ft<br>$d_{MP-2}$ = 44 ft | |
| **Date** | Time | Vacuum (in. water) | Time | Vacuum (in. water) | Time | Vacuum (in. water) | Time | Vacuum (in. water) |
| 11/18/2010 | 12:14 | 0.01 | 15:25 | 1.5 | 12:56 | 2.6 | 13:16 | 0.3 |
| 11/18/2010 | 13:30 | 0.0 | | | 13:50 | 2.8 | 13:54 | 0.6 |
| 11/18/2010 | 15:18 | 0.0 | | | 15:23 | 10.8 | 15:27 | 1.6 |

| | SV-101S | | SV-105D | | VW-1 | | VW-2 | |
|---|---|---|---|---|---|---|---|---|
| | $d_{MP-1}$ = 41 ft<br>$d_{MP-2}$ = 11 ft | | $d_{MP-1}$ = 66 ft<br>$d_{MP-2}$ = 59 ft | | $d_{MP-1}$ = 6 ft<br>$d_{MP-2}$ = 44 ft | | $d_{MP-1}$ = 25 ft<br>$d_{MP-2}$ = 36 ft | |
| **Date** | Time | Vacuum (in. water) | Time | Vacuum (in. water) | Time | Vacuum (in. water) | Time | Vacuum (in. water) |
| 11/18/2010 | 12:17 | 0.15 | 13:29 | 0.25 | 12:49 | 4.6 | 13:56 | 0.08 |
| 11/18/2010 | 15:05 | 0.65 | 15:33 | 0.55 | 13:46 | 4.6 | 15:26 | 0.09 |
| 11/18/2010 | 19:21 | 0.55 | | | 15:23 | 18.1 | | |

| | VW-3 | | VW-4 | | VW-5 | | VW-6 | |
|---|---|---|---|---|---|---|---|---|
| | $d_{MP-1}$ = 24 ft<br>$d_{MP-2}$ = 20 ft | | $d_{MP-1}$ = 10 ft<br>$d_{MP-2}$ = 48 ft | | $d_{MP-1}$ = 5 ft<br>$d_{MP-2}$ = 39 ft | | $d_{MP-1}$ = 25 ft<br>$d_{MP-2}$ = 62 ft | |
| **Date** | Time | Vacuum (in. water) | Time | Vacuum (in. water) | Time | Vacuum (in. water) | Time | Vacuum (in. water) |
| 11/18/2010 | 12:06 | 0.0 | 12:52 | 1.8 | 12:48 | 0.8 | 12:53 | 0.7 |
| 11/18/2010 | 15:08 | 0.0 | 13:51 | 2.0 | 13:52 | 1.4 | 13:51 | 1.3 |
| 11/18/2010 | 19:23 | 0.08 | 15:24 | 8.8 | 15:26 | 3.6 | 15:24 | 4.4 |

**Notes:**
$d_{MP-1}$ = distance from monitoring point to extraction well MP-1
$d_{MP-2}$ = distance from monitoring point to extraction well MP-2
in. water = inches of water

**Table 5: Summary of Air Flow Rates and Photoionization Detector Response**

**MPE Constant Rate Test**

Avery Dennison Site, Flowery Branch, GA

| | | Air Flow from Well Field | | | | Dilution Air | | | Combined Air Stream | |
|---|---|---|---|---|---|---|---|---|---|---|
| Date | Time | Vacuum (in. water) | Temp (°F) | Velocity (ft/min) | Flow Rate (scfm) | Temp (°F) | Velocity (ft/min) | Flow Rate (scfm) | PID response (ppmv) | Dilution Corrected PID response (ppmv)[1] |
| 11/19/2010 | 20:45 | 210.7 | 50.1 | 1600 | 38.6 | 53.0 | 1800 | 39.8 | 36.8 | 74.8 |
| 11/19/2010 | 22:04 | 265.1 | 43.0 | 1700 | 30.0 | | | | | |
| 11/19/2010 | 23:23 | 265.1 | 44.7 | 1300 | 22.9 | | | | | |
| 11/19/2010 | 23:52 | 265.1 | 44.8 | 1300 | 22.9 | | | | | |
| 11/20/2010 | 0:54 | 278.7 | 46.5 | 1200 | 19.0 | 51.2 | 1200 | 26.6 | 45.5 | 109.1 |
| 11/20/2010 | 1:55 | 265.1 | 44.5 | 1200 | 21.1 | | | | | |
| 11/20/2010 | 3:06 | 265.1 | 43.8 | 1100 | 19.4 | | | | | |
| 11/20/2010 | 4:31 | 265.1 | 41.5 | 1200 | 21.3 | 48.5 | 1200 | 26.8 | 34.2 | 77.2 |
| 11/20/2010 | 6:55 | 231.1 | 43.5 | 1440 | 31.5 | | | | | |
| 11/20/2010 | 8:52 | 210.7 | 50.8 | 1390 | 33.5 | 48.9 | 1900 | 42.4 | 16.2 | 36.7 |
| 11/20/2010 | 9:46 | 237.9 | 57.3 | 1650 | 33.8 | | | | | |
| 11/20/2010 | 10:20 | 258.3 | 62.4 | 1790 | 31.9 | | | | | |
| 11/20/2010 | 11:15 | 265.1 | 62.9 | 1760 | 29.9 | | | | | |
| 11/20/2010 | 11:50 | 265.1 | 64.3 | 1850 | 31.4 | 69.0 | 3000 | 64.3 | 9.9 | 30.2 |
| 11/20/2010 | 11:59 | 224.3 | 69.2 | 1950 | 42.2 | | | | | |
| 11/20/2010 | 13:10 | 251.5 | 67.4 | 1965 | 36.3 | | | | | |
| 11/20/2010 | 14:11 | 237.9 | 67.6 | 2020 | 40.6 | | | | | |
| 11/20/2010 | 14:33 | 244.7 | 64.7 | 1980 | 38.4 | 68.1 | 2450 | 52.6 | 14.5 | 34.4 |
| 11/20/2010 | 15:50 | 231.1 | 62.2 | 1820 | 38.4 | | | | | |
| 11/20/2010 | 16:23 | 244.7 | 59.3 | 1800 | 35.3 | 67.4 | 1600 | 34.4 | 27.8 | 54.9 |
| 11/20/2010 | 17:30 | 237.9 | 55.9 | 1750 | 35.9 | 66.6 | 1500 | 32.3 | 37.1 | 70.5 |
| 11/20/2010 | 19:12 | 224.3 | 53.3 | 1800 | 40.1 | | | | | |
| 11/20/2010 | 19:40 | 265.1 | 51.3 | 1500 | 26.1 | | | | | |
| 11/20/2010 | 20:01 | 231.1 | 50.9 | 1600 | 34.5 | | | | | |
| 11/20/2010 | 20:15 | 265.1 | 51.0 | 1500 | 26.1 | | | | | |
| 11/20/2010 | 20:56 | 265.1 | 49.4 | 1500 | 26.2 | | | | | |
| 11/20/2010 | 21:36 | 258.3 | 48.5 | 1500 | 27.5 | 53.0 | 1500 | 33.2 | 31.7 | 70.0 |
| 11/20/2010 | 22:34 | 258.3 | 49.0 | 1500 | 27.5 | | | | | |

**Table 5: Summary of Air Flow Rates and Photoionization Detector Response**
**MPE Constant Rate Test**
Avery Dennison Site, Flowery Branch, GA

| | | Air Flow from Well Field | | | | Dilution Air | | | Combined Air Stream | |
|---|---|---|---|---|---|---|---|---|---|---|
| Date | Time | Vacuum (in. water) | Temp (°F) | Velocity (ft/min) | Flow Rate (scfm) | Temp (°F) | Velocity (ft/min) | Flow Rate (scfm) | PID response (ppmv) | Dilution Corrected PID response (ppmv)[1] |
| 11/20/2010 | 23:35 | 258.3 | 48.5 | 1500 | 27.5 | | | | | |
| 11/21/2010 | 0:37 | 251.5 | 48.0 | 1500 | 28.8 | 48.0 | 1700 | 38.0 | 16.5 | 38.3 |
| 11/21/2010 | 1:38 | 265.1 | 50.5 | 1500 | 26.1 | | | | | |
| 11/21/2010 | 2:36 | 258.3 | 50.8 | 1500 | 27.4 | | | | | |
| 11/21/2010 | 4:05 | 265.1 | 49.5 | 1450 | 25.3 | | | | | |
| 11/21/2010 | 5:09 | 265.1 | 50.5 | 1500 | 26.1 | 53.5 | 1500 | 33.1 | 12.6 | 28.6 |
| 11/21/2010 | 6:15 | 271.9 | 51.8 | 1780 | 29.4 | | | | | |
| 11/21/2010 | 8:06 | 278.7 | 53.4 | 1450 | 22.7 | | | | | |
| 11/21/2010 | 9:37 | 285.5 | 57.1 | 1500 | 22.1 | 57.6 | 1800 | 39.5 | 13.7 | 38.2 |
| 11/21/2010 | 11:12 | 299.1 | 60.0 | 1475 | 19.2 | | | | | |
| 11/21/2010 | 12:06 | 292.3 | 64.3 | 1770 | 24.3 | 67.6 | 1300 | 28.0 | 14.7 | 31.6 |
| 11/21/2010 | 13:54 | 251.5 | 65.1 | 2140 | 39.7 | | | | | |
| 11/21/2010 | 14:35 | 292.3 | 65.1 | 2100 | 28.7 | 69.2 | 1470 | 31.5 | 13.4 | 28.1 |
| 11/21/2010 | 15:42 | 305.9 | 62.0 | 1500 | 18.2 | | | | | |
| 11/21/2010 | 17:20 | 299.1 | 57.8 | 1600 | 20.9 | | | | | |
| 11/21/2010 | 19:04 | 271.9 | 55.9 | 1500 | 24.6 | 61.5 | 1600 | 34.8 | 8.0 | 19.3 |
| 11/21/2010 | 20:50 | 271.9 | 53.0 | 1580 | 26.1 | 57.1 | 1300 | 28.5 | | |

**Notes:**
1) PID Dilution Correction Factor = (Air Flow Rate from Well Field + Dilution Air Flow Rate) / Air Flow Rate from Well Field
in. water = inches of water
°F = degrees Farenheit
ft/min = feet per minute
scfm = standard cubic feet per minute
ppmv = parts per million by volume

**Table 6: Summary of Groundwater Extraction Rates**
**MPE Constant Rate Test**
Avery Dennison Site, Flowery Branch, GA

| Date | Time | Totalizer Flow Meter (gal) | Time Duration between Cycle Points (min) | **Estimated Flow Rate (gpm)** |
|---|---|---|---|---|
| 11/19/2010 | 14:13 | 4782.4 [1] | | |
| 11/19/2010 | 14:37 | 4886.8 | 24 | 4.4 |
| 11/19/2010 | 14:48 | 4941.0 | 11 | 4.9 |
| 11/19/2010 | 14:59 | 4995.3 | 11 | 4.9 |
| 11/19/2010 | 15:29 | 5163.2 | 30 | 5.6 |
| 11/19/2010 | 15:46 | 5281.9 | 17 | 7.0 |
| 11/19/2010 | 15:55 | 5341.7 | 9 | 6.6 |
| 11/19/2010 | 16:12 | 5460.2 | 17 | 7.0 |
| 11/19/2010 | 17:12 | 5871.6 | 60 | 6.9 |
| 11/19/2010 | 17:20 | 5929.9 | 8 | 7.3 |
| 11/19/2010 | 17:29 | 5988.4 | 9 | 6.5 |
| 11/19/2010 | 17:55 | 6164.7 | 26 | 6.8 |
| 11/19/2010 | 18:03 | 6223.1 | 8 | 7.3 |
| 11/19/2010 | 18:53 | 6572.1 | 50 | 7.0 |
| 11/19/2010 | 19:01 | 6630.8 | 8 | 7.3 |
| 11/19/2010 | 19:13 | 6689.4 | 12 | 4.9 |
| 11/19/2010 | 19:22 | 6747.3 | 9 | 6.4 |
| 11/19/2010 | 19:56 | 6983.6 | 34 | 7.0 |
| 11/19/2010 | 20:04 | 7042.5 | 8 | 7.4 |
| 11/19/2010 | 20:57 | 7394.2 | 53 | 6.6 |
| 11/19/2010 | 21:05 | 7453.4 | 8 | 7.4 |
| 11/19/2010 | 22:13 | 7935.5 | 68 | 7.1 |
| 11/19/2010 | 22:21 | 7995.9 | 8 | 7.5 |
| 11/19/2010 | 22:37 | 8115.5 | 16 | 7.5 |
| 11/19/2010 | 22:46 | 8173.8 | 9 | 6.5 |
| 11/19/2010 | 23:13 | 8349.3 | 27 | 6.5 |
| 11/19/2010 | 23:22 | 8407.2 | 9 | 6.4 |
| 11/19/2010 | 23:48 | 8582.6 | 26 | 6.7 |
| 11/19/2010 | 23:56 | 8641.9 | 8 | 7.4 |
| 11/20/2010 | 00:57 | 9057.6 | 61 | 6.8 |
| 11/20/2010 | 01:06 | 9119.2 | 9 | 6.8 |
| 11/20/2010 | 01:24 | 9237.1 | 18 | 6.5 |
| 11/20/2010 | 01:33 | 9296.4 | 9 | 6.6 |
| 11/20/2010 | 02:16 | 9595.4 | 43 | 7.0 |
| 11/20/2010 | 02:24 | 9653.6 | 8 | 7.3 |
| 11/20/2010 | 03:07 | 9954.2 | 43 | 7.0 |
| 11/20/2010 | 03:16 | 10014.8 | 9 | 6.7 |
| 11/20/2010 | 03:33 | 10135.0 | 17 | 7.1 |
| 11/20/2010 | 03:41 | 10194.4 | 8 | 7.4 |
| 11/20/2010 | 04:32 | 10555.1 | 51 | 7.1 |
| 11/20/2010 | 04:40 | 10615.5 | 8 | 7.5 |
| 11/20/2010 | 06:04 | 11206.1 | 84 | 7.0 |
| 11/20/2010 | 06:13 | 11263.1 | 9 | 6.3 |

**Table 6: Summary of Groundwater Extraction Rates**
**MPE Constant Rate Test**
Avery Dennison Site, Flowery Branch, GA

| Date | Time | Totalizer Flow Meter (gal) | Time Duration between Cycle Points (min) | **Estimated Flow Rate (gpm)** |
|---|---|---|---|---|
| 11/20/2010 | 06:45 | 11435.2 | 32 | 5.4 |
| 11/20/2010 | 07:19 | 11671.3 | 34 | 6.9 |
| 11/20/2010 | 08:00 | 11970.7 | 41 | 7.3 |
| 11/20/2010 | 08:08 | 12030.2 | 8 | 7.4 |
| 11/20/2010 | 08:35 | 12208.3 | 27 | 6.6 |
| 11/20/2010 | 09:28 | 12557.0 | 53 | 6.6 |
| 11/20/2010 | 09:46 | 12673.6 | 18 | 6.5 |
| 11/20/2010 | 10:03 | 12790.2 | 17 | 6.9 |
| 11/20/2010 | 10:20 | 12906.0 | 17 | 6.8 |
| 11/20/2010 | 10:46 | 13082.5 | 26 | 6.8 |
| 11/20/2010 | 11:20 | 13315.7 | 34 | 6.9 |
| 11/20/2010 | 11:55 | 13548.2 | 35 | 6.6 |
| 11/20/2010 | 12:22 | 13719.1 | 27 | 6.3 |
| 11/20/2010 | 12:49 | 13892.0 | 27 | 6.4 |
| 11/20/2010 | 13:16 | 14067.0 | 27 | 6.5 |
| 11/20/2010 | 14:07 | 14421.6 | 51 | 7.0 |
| 11/20/2010 | 15:07 | 14833.1 | 60 | 6.9 |
| 11/20/2010 | 15:32 | 15009.1 | 25 | 7.0 |
| 11/20/2010 | 15:49 | 15126.7 | 17 | 6.9 |
| 11/20/2010 | 16:39 | 15485.6 | 50 | 7.2 |
| 11/20/2010 | 17:37 | 15908.6 | 58 | 7.3 |
| 11/20/2010 | 18:26 | 16326.2 | 49 | 8.5 |
| 11/20/2010 | 18:34 | 16386.8 | 8 | 7.6 |
| 11/20/2010 | 19:09 | 16563.8 | 35 | 5.1 |
| 11/20/2010 | 19:17 | 16623.9 | 8 | 7.5 |
| 11/20/2010 | 19:42 | 16807.9 | 25 | 7.4 |
| 11/20/2010 | 19:50 | 16868.8 | 8 | 7.6 |
| 11/20/2010 | 20:13 | 17051.5 | 23 | 7.9 |
| 11/20/2010 | 20:21 | 17114.4 | 8 | 7.9 |
| 11/20/2010 | 20:54 | 17364.2 | 33 | 7.6 |
| 11/20/2010 | 21:02 | 17426.1 | 8 | 7.7 |
| 11/20/2010 | 21:32 | 17673.3 | 30 | 8.2 |
| 11/20/2010 | 21:40 | 17735.6 | 8 | 7.8 |
| 11/20/2010 | 22:36 | 18170.6 | 56 | 7.8 |
| 11/20/2010 | 22:44 | 18232.6 | 8 | 7.8 |
| 11/20/2010 | 23:39 | 18667.8 | 55 | 7.9 |
| 11/20/2010 | 23:47 | 18730.0 | 8 | 7.8 |
| 11/21/2010 | 00:34 | 19103.4 | 47 | 7.9 |
| 11/21/2010 | 00:42 | 19165.0 | 8 | 7.7 |
| 11/21/2010 | 01:38 | 19602.5 | 56 | 7.8 |
| 11/21/2010 | 01:46 | 19664.8 | 8 | 7.8 |
| 11/21/2010 | 02:40 | 20097.7 | 54 | 8.0 |
| 11/21/2010 | 02:48 | 20160.0 | 8 | 7.8 |

**Table 6: Summary of Groundwater Extraction Rates**
**MPE Constant Rate Test**
Avery Dennison Site, Flowery Branch, GA

| Date | Time | Totalizer Flow Meter (gal) | Time Duration between Cycle Points (min) | **Estimated Flow Rate (gpm)** |
|---|---|---|---|---|
| 11/21/2010 | 04:07 | 20779.4 | 79 | 7.8 |
| 11/21/2010 | 04:15 | 20841.1 | 8 | 7.7 |
| 11/21/2010 | 05:11 | 21273.7 | 56 | 7.7 |
| 11/21/2010 | 05:19 | 21336.9 | 8 | 7.9 |
| 11/21/2010 | 06:23 | 21832.1 | 64 | 7.7 |
| 11/21/2010 | 07:19 | 22265.2 | 56 | 7.7 |
| 11/21/2010 | 07:50 | 22510.6 | 31 | 7.9 |
| 11/21/2010 | 09:34 | 23311.7 | 104 | 7.7 |
| 11/21/2010 | 10:05 | 23558.3 | 31 | 8.0 |
| 11/21/2010 | 10:21 | 23678.8 | 16 | 7.5 |
| 11/21/2010 | 11:02 | 23985.6 | 41 | 7.5 |
| 11/21/2010 | 11:18 | 24106.1 | 16 | 7.5 |
| 11/21/2010 | 11:51 | 24347.0 | 33 | 7.3 |
| 11/21/2010 | 12:16 | 24528.1 | 25 | 7.2 |
| 11/21/2010 | 12:51 | 24763.2 | 35 | 6.7 |
| 11/21/2010 | 13:09 | 24880.3 | 18 | 6.5 |
| 11/21/2010 | 13:52 | 25174.3 | 43 | 6.8 |
| 11/21/2010 | 14:09 | 25294.6 | 17 | 7.1 |
| 11/21/2010 | 14:34 | 25476.1 | 25 | 7.3 |
| 11/21/2010 | 14:59 | 25657.1 | 25 | 7.2 |
| 11/21/2010 | 15:40 | 25960.1 | 41 | 7.4 |
| 11/21/2010 | 16:20 | 26270.9 | 40 | 7.8 |
| 11/21/2010 | 17:24 | 26764.8 | 64 | 7.7 |
| 11/21/2010 | 17:32 | 26826.8 | 8 | 7.8 |
| 11/21/2010 | 19:08 | 27569.4 | 96 | 7.7 |
| 11/21/2010 | 19:16 | 27631.8 | 8 | 7.8 |

**Notes:**
1) Totalizer flow meter reading at start of test
gal = gallon
min = minute
gpm = gallons per minute

**Table 7: Summary of Measured Vacuum in Monitoring Points**

**MPE Constant Rate Test**

Avery Dennison Site, Flowery Branch, GA

| | MW-1 | | MW-2 | | MW-3 | | MW-4 | | MW-5 | | MW-63 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $d_{MP-1}$ = 85 ft<br>$d_{MP-2}$ = 78 ft | | $d_{MP-1}$ = 77 ft<br>$d_{MP-2}$ = 49 ft | | $d_{MP-1}$ = 40 ft<br>$d_{MP-2}$ = 12 ft | | $d_{MP-1}$ = 78 ft<br>$d_{MP-2}$ = 40 ft | | $d_{MP-1}$ = 63 ft<br>$d_{MP-2}$ = 32 ft | | $d_{MP-1}$ = 49 ft<br>$d_{MP-2}$ = 85 ft | |
| Date | Time | Vacuum (in. water) | Time | Vacuum (in. water) | Time | Vacuum (in. water) | Time | Vacuum (in. water) | Time | Vacuum (in. water) | Time | Vacuum (in. water) |
| 11/19/2010 | 15:01 | 0.0 | 15:00 | 0.0 | 15:03 | 2.2 | 14:59 | 0.0 | 14:58 | 0.0 | 15:13 | 1.3 |
| 11/19/2010 | 16:01 | 0.0 | 15:55 | 0.1 | 15:51 | 3.9 | 15:54 | 0.0 | 15:53 | 0.0 | 16:06 | 2.2 |
| 11/19/2010 | 18:02 | 0.0 | | | 17:46 | 5.1 | 17:43 | 0.0 | 17:42 | 0.0 | 17:52 | 2.2 |
| 11/20/2010 | 0:35 | 0.0 | 0:37 | 0.0* | | | 0:38 | 0.0 | 0:40 | 0.07 | 0:28 | 2.1 |
| 11/20/2010 | 5:25 | 0.0 | 5:24 | 0.11 | 5:23 | 5.0 | 5:24 | 0.0 | 5:23 | 0.08 | 5:20 | 2.3 |
| 11/20/2010 | 7:48 | 0.0 | 7:49 | 0.11 | 7:50 | 5.2 | 7:56 | 0.0 | 7:51 | 0.10 | 7:53 | 2.3 |
| 11/20/2010 | 9:08 | 0.0 | 9:08 | 0.10 | 9:10 | 4.7 | 9:09 | 0.0 | 9:11 | 0.11 | 9:12 | 2.3 |
| 11/20/2010 | 10:36 | 0.0 | 10:37 | 0.10 | 10:34 | 4.6 | 10:38 | 0.0 | 10:39 | 0.21 | 10:40 | 2.1 |
| 11/20/2010 | 11:52 | 0.0 | 11:58 | 0.08 | 12:00 | 4.0 | 11:59 | 0.0 | 11:59 | 0.27 | 12:07 | 1.9 |
| 11/20/2010 | 13:32 | 0.0 | 13:33 | 0.11 | 13:35 | 4.0 | 13:33 | 0.0 | 13:35 | 0.27 | 13:32 | 2.0 |
| 11/20/2010 | 14:50 | 0.0 | 14:51 | 0.1 | 14:53 | 4.3 | 14:52 | 0.0 | 14:53 | 0.23 | 14:54 | 2.0 |
| 11/20/2010 | 16:06 | 0.0 | 16:07 | 0.11 | 16:09 | 4.4 | 16:08 | 0.0 | 16:09 | 0.21 | 16:10 | 2.1 |
| 11/20/2010 | 16:59 | 0.0 | 17:00 | 0.14 | 17:01 | 4.6 | 17:00 | 0.0 | 17:02 | 0.21 | 17:03 | 2.2 |
| 11/20/2010 | 20:44 | 0.0 | 20:43 | 0.14 | 20:39 | 4.9 | 20:42 | 0.0 | 20:40 | 0.16 | 20:34 | 2.6 |
| 11/21/2010 | 0:07 | 0.0 | 0:05 | 0.15 | 0:03 | 5.3 | 0:05 | 0.03 | 0:04 | 0.14 | 23:57 | 2.4 |
| 11/21/2010 | 3:10 | 0.0 | 3:09 | 0.14 | | | 3:08 | 0.05 | 3:07 | 0.15 | 3:01 | 2.4 |
| 11/21/2010 | 4:27 | 0.0 | 4:26 | 0.15 | 4:24 | 5.4 | 4:25 | 0.06 | 4:25 | 0.14 | 4:32 | 2.3 |
| 11/21/2010 | 6:46 | 0.0 | 6:47 | 0.17 | 6:49 | 5.6 | 6:48 | 0.06 | 6:50 | 0.16 | 6:52 | 2.6 |
| 11/21/2010 | 8:54 | 0.0 | 8:55 | 0.16 | 8:56 | 6.0 | 8:55 | 0.08 | 8:57 | 0.19 | 8:58 | 2.7 |
| 11/21/2010 | 10:38 | 0.0 | 10:38 | 0.14 | 10:40 | 0.9* | 10:39 | 0.09 | 10:41 | 0.21 | 10:42 | 2.6 |
| 11/21/2010 | | | | | 11:20 | 5.5 | | | | | | |
| 11/21/2010 | 13:21 | 0.0 | 13:22 | 0.11 | 13:22 | 4.8 | 13:27 | 0.08 | 13:23 | 0.25 | 13:26 | 2.2 |
| 11/21/2010 | 14:26 | 0.0 | 14:27 | 0.14 | 14:28 | 5.1 | 14:27 | 0.08 | 14:28 | 0.24 | 14:29 | 2.3 |
| 11/21/2010 | 15:56 | 0.0 | 15:57 | 0.16 | 15:58 | 5.4 | 15:57 | 0.06 | 15:58 | 0.24 | 15:59 | 2.5 |
| 11/21/2010 | 17:48 | 0.0 | 17:47 | 0.15 | 17:44 | 5.8 | 17:47 | 0.05 | 17:46 | 0.20 | 17:58 | 2.4 |
| 11/21/2010 | 19:59 | 0.0 | 19:58 | 0.18 | 20:01 | 5.9 | 19:57 | 0.06 | 19:57 | 0.18 | 19:41 | 2.5 |

**Table 7: Summary of Measured Vacuum in Monitoring Points**

**MPE Constant Rate Test**

Avery Dennison Site, Flowery Branch, GA

| | MW-64 | | MW-65S | |
|---|---|---|---|---|
| | $d_{MP-1}$ = 10 ft<br>$d_{MP-2}$ = 37 ft | | $d_{MP-1}$ = 46 ft<br>$d_{MP-2}$ = 44 ft | |
| Date | Time | Vacuum (in. water) | Time | Vacuum (in. water) |
| 11/19/2010 | 15:08 | 9.6 | 15:17 | 1.7 |
| 11/19/2010 | 16:02 | 14.7 | 16:24 | 2.6 |
| 11/19/2010 | 17:48 | 15.6 | 17:56 | 1.5 |
| 11/20/2010 | 0:22 | 14.8 | 0:33 | 0.42 |
| 11/20/2010 | 5:14 | 14.7 | 5:21 | 0.47 |
| 11/20/2010 | 7:55 | 14.8 | 7:54 | 0.7 |
| 11/20/2010 | 9:13 | 13.3 | 9:12 | 0.46 |
| 11/20/2010 | 10:42 | 13.5 | 10:41 | 0.47 |
| 11/20/2010 | 12:09 | 10.9 | 12:08 | 0.22 |
| 11/20/2010 | 13:36 | 12.7 | 13:37 | 0.44 |
| 11/20/2010 | 14:53 | 12.7 | 14:55 | 0.38 |
| 11/20/2010 | 16:11 | 12.8 | 16:10 | 0.4 |
| 11/20/2010 | 17:04 | 14.2 | 17:03 | 0.6 |
| 11/20/2010 | 20:30 | 16.3 | 20:37 | 0.8 |
| 11/20/2010 | 23:53 | 17.2 | 23:59 | 0.7 |
| 11/21/2010 | 2:56 | 17.3 | 3:03 | 0.65 |
| 11/21/2010 | 4:28 | 17.2 | 4:35 | 0.6 |
| 11/21/2010 | 6:53 | 17.4 | 6:51 | 0.8 |
| 11/21/2010 | 8:59 | 17.6 | 8:59 | 0.9 |
| 11/21/2010 | 10:43 | 16.6 | 10:42 | 0.9 |
| 11/21/2010 | 13:27 | 14.9 | 13:26 | 0.48 |
| 11/21/2010 | 14:31 | 15.9 | 14:30 | 0.8 |
| 11/21/2010 | 16:00 | 17.2 | 16:00 | 0.9 |
| 11/21/2010 | 17:50 | 17.5 | 18:06 | 0.85 |
| 11/21/2010 | 19:35 | 17.7 | 19:50 | 0.95 |

| | SV-01S | | SV-01D | | SV-03S | |
|---|---|---|---|---|---|---|
| | $d_{MP-1}$ = 50 ft<br>$d_{MP-2}$ = 36 ft | | $d_{MP-1}$ = 50 ft<br>$d_{MP-2}$ = 38 ft | | $d_{MP-1}$ = 49 ft<br>$d_{MP-2}$ = 68 ft | |
| Date | Time | Vacuum (in. water) | Time | Vacuum (in. water) | Time | Vacuum (in. water) |
| 11/21/2010 | 4:51 | 0.0* | 4:52 | 0.7* | 4:48 | 0.0 |
| 11/21/2010 | 7:00 | 0.0 | 7:00 | 1.7 | 7:01 | 0.0 |
| 11/21/2010 | 9:06 | 0.0 | 9:06 | 2.0 | 9:07 | 0.0 |
| 11/21/2010 | 10:50 | 0.0 | 10:50 | 2.1 | 10:50 | 0.0 |
| 11/21/2010 | 13:32 | 0.0 | 13:33 | 1.3 | 13:34 | 0.0 |
| 11/21/2010 | | | 15:17 | 1.1 | 15:18 | 0.0 |
| 11/21/2010 | 18:08 | 0.0 | 18:07 | 0.9 | 18:02 | 0.1 |
| 11/21/2010 | 19:51 | 0.0 | 19:51 | 1.0 | 19:45 | 0.0 |

**Table 7: Summary of Measured Vacuum in Monitoring Points**

**MPE Constant Rate Test**

Avery Dennison Site, Flowery Branch, GA

| | SV-03D | | SV-06S | | SV-06D | | SV-101S | | SV-101D | | SV-102S | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $d_{MP-1}$ = 47 ft<br>$d_{MP-2}$ = 72 ft | | $d_{MP-1}$ = 33 ft<br>$d_{MP-2}$ = 70 ft | | $d_{MP-1}$ = 33 ft<br>$d_{MP-2}$ = 70 ft | | $d_{MP-1}$ = 41 ft<br>$d_{MP-2}$ = 11 ft | | $d_{MP-1}$ = 40 ft<br>$d_{MP-2}$ = 12 ft | | $d_{MP-1}$ = 20 ft<br>$d_{MP-2}$ = 29 ft | |
| Date | Time | Vacuum (in. water) | Time | Vacuum (in. water) | Time | Vacuum (in. water) | Time | Vacuum (in. water) | Time | Vacuum (in. water) | Time | Vacuum (in. water) |
| 11/21/2010 | 4:47 | 5.2 | 4:42 | 0.0 | 4:42 | 5.8 | | | | | 4:49 | 2.4 |
| 11/21/2010 | 7:02 | 5.7 | 7:03 | 0.0 | 7:04 | 6.3 | 7:09 | * | 7:09 | 0.9 | 7:10 | 3.1 |
| 11/21/2010 | 9:08 | 5.7 | 9:09 | 0.0 | 9:10 | 6.3 | 9:12 | 0.0 | 9:12 | 0.6 | 9:14 | 3.4 |
| 11/21/2010 | 10:51 | 5.4 | 10:52 | 0.0 | 10:53 | 6.1 | 10:54 | 0.0 | 10:53 | 0.5 | 10:56 | 3.5 |
| 11/21/2010 | 13:35 | 4.6 | 13:36 | 0.0 | 13:36 | 5.2 | 13:30 | 0.0 | 13:38 | 0.5 | 13:39 | 2.6 |
| 11/21/2010 | 15:19 | 5.3 | 15:20 | 0.0 | 15:20 | 5.7 | 15:21 | 0.0 | 15:22 | 0.7 | 15:23 | 2.5 |
| 11/21/2010 | 18:01 | 5.5 | 17:55 | 0.0 | 17:56 | 6.2 | 17:42 | 0.0 | 17:43 | 0.6 | 18:05 | 2.2 |
| 11/21/2010 | 19:44 | 5.6 | 19:40 | 0.0 | 19:39 | 6.2 | 19:55 | 0.0 | 19:55 | 0.6 | | |

| | SV-102D | | SV-103S | | SV-103D | | SV-104S | | SV-104D | |
|---|---|---|---|---|---|---|---|---|---|---|
| | $d_{MP-1}$ = 19 ft<br>$d_{MP-2}$ = 31 ft | | $d_{MP-1}$ = 28 ft<br>$d_{MP-2}$ = 56 ft | | $d_{MP-1}$ = 28 ft<br>$d_{MP-2}$ = 55 ft | | $d_{MP-1}$ = 15 ft<br>$d_{MP-2}$ = 53 ft | | $d_{MP-1}$ = 14 ft<br>$d_{MP-2}$ = 52 ft | |
| Date | Time | Vacuum (in. water) | Time | Vacuum (in. water) | Time | Vacuum (in. water) | Time | Vacuum (in. water) | Time | Vacuum (in. water) |
| 11/21/2010 | 4:50 | 3.7 | 4:45 | 3.8 | 4:46 | 9.3 | 4:43 | 8.4 | 4:44 | 8.4 |
| 11/21/2010 | 7:10 | 4.5 | 7:11 | 4.4 | 7:12 | 9.9 | 7:13 | 9.0 | 7:14 | 8.9 |
| 11/21/2010 | 9:15 | 4.9 | 9:16 | 4.6 | 9:16 | 10.2 | 9:17 | 9.2 | 9:18 | 9.1 |
| 11/21/2010 | 10:56 | 5.0 | 10:57 | 4.6 | 10:58 | 10.0 | 10:58 | 9.0 | 10:59 | 8.8 |
| 11/21/2010 | 13:40 | 4.1 | 13:41 | 3.7 | 13:41 | 8.5 | 13:42 | 7.5 | 13:42 | 7.5 |
| 11/21/2010 | 15:23 | 3.8 | 15:25 | 3.7 | 15:26 | 8.7 | 15:27 | 7.8 | 15:27 | 8.1 |
| 11/21/2010 | 18:05 | 3.6 | 18:00 | 3.7 | 17:59 | 9.4 | 17:52 | 8.2 | 17:53 | 8.6 |
| 11/21/2010 | 19:49 | 3.8 | 19:42 | 4.0 | 19:43 | 9.6 | 19:37 | 8.5 | 19:38 | 8.8 |

**Table 7: Summary of Measured Vacuum in Monitoring Points**

**MPE Constant Rate Test**

Avery Dennison Site, Flowery Branch, GA

| | VW-1 | | VW-2 | | VW-3 | | VW-4 | | VW-5 | | VW-6 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $d_{MP-1}$ = 6 ft<br>$d_{MP-2}$ = 44 ft | | $d_{MP-1}$ = 25 ft<br>$d_{MP-2}$ = 36 ft | | $d_{MP-1}$ = 24 ft<br>$d_{MP-2}$ = 20 ft | | $d_{MP-1}$ = 10 ft<br>$d_{MP-2}$ = 48 ft | | $d_{MP-1}$ = 5 ft<br>$d_{MP-2}$ = 39 ft | | $d_{MP-1}$ = 25 ft<br>$d_{MP-2}$ = 62 ft | |
| Date | Time | Vacuum (in. water) | Time | Vacuum (in. water) | Time | Vacuum (in. water) | Time | Vacuum (in. water) | Time | Vacuum (in. water) | Time | Vacuum (in. water) |
| 11/19/2010 | 15:06 | 14.9 | 15:17 | 0.0 | 15:05 | 0.0 | 15:07 | 7.3 | 15:16 | 2.0 | 15:12 | 3.7 |
| 11/19/2010 | 16:03 | 22.8 | 16:25 | 0.1 | 15:52 | 0.0 | 16:05 | 11.9 | 16:26 | 3.8 | 16:06 | 5.8 |
| 11/19/2010 | 17:50 | 23.9 | 17:55 | 1.1 | 17:47 | 0.0 | 17:51 | 12.9 | 17:54 | 18.0 | 17:52 | 5.9 |
| 11/20/2010 | 0:23 | 22.8 | 0:29 | 3.4 | 5:22 | 0.0 | 0:26 | 12.7 | 0:25 | 29.8 | 0:27 | 5.9 |
| 11/20/2010 | 5:16 | 22.1 | 5:20 | 3.5 | | | 5:17 | 12.6 | 5:18 | 28.0 | 5:19 | 5.9 |
| 11/20/2010 | 9:14 | 20.6 | 9:15 | 3.9 | 9:18 | 0.01 | 9:16 | 11.8 | | | 9:17 | 5.5 |
| 11/20/2010 | 12:10 | 16.8 | 12:11 | 3.2 | 12:14 | 0.01 | 12:12 | 9.3 | 12:12 | 24.1 | 12:13 | 4.3 |
| 11/20/2010 | 14:56 | 19.2 | 14:57 | 2.5 | 15:00 | 0.01 | 14:57 | 10.9 | 14:58 | 23.6 | 14:59 | 5.1 |
| 11/20/2010 | 16:12 | 19.5 | 16:13 | 2.6 | 16:16 | 0.01 | 16:14 | 11.1 | 16:14 | 24.4 | 16:15 | 5.3 |
| 11/20/2010 | 17:05 | 21.6 | 17:06 | 2.4 | 17:09 | 0.01 | 17:07 | 12.3 | 17:07 | 25.3 | 17:08 | 5.5 |
| 11/20/2010 | 20:31 | 24.7 | 20:36 | 2.5 | 20:38 | 0.01 | 20:32 | 14.3 | 20:35 | 28.9 | 20:33 | 6.2 |
| 11/20/2010 | 23:54 | 26.0 | 23:58 | 3.1 | | | 23:55 | 15.0 | 23:58 | 32.5 | 23:56 | 6.7 |
| 11/21/2010 | | | 3:03 | 3.3 | 0:01 | 0.01 | | | | | | |
| 11/21/2010 | 2:58 | 26.3 | 3:03 | 3.3 | 3:05 | 0.01 | 2:59 | 15.3 | 3:02 | 33.5 | 3:00 | 6.9 |
| 11/21/2010 | 4:29 | 25.9 | 4:34 | 3.2 | 4:23 | 0.01 | 4:30 | 15.3 | 4:33 | 33.4 | 4:31 | 6.7 |
| 11/21/2010 | 6:54 | 26.3 | 6:55 | 3.7 | 6:58 | 0.01 | 6:56 | 15.4 | 6:57 | 33.7 | 6:59 | 6.9 |
| 11/21/2010 | 9:00 | 26.5 | 9:01 | 4.4 | 9:02 | 0.01 | 9:03 | 16.0 | 9:04 | 34.5 | 9:05 | 7.2 |
| 11/21/2010 | 10:44 | 24.9 | 10:45 | 4.5 | 10:47 | 0.005 | 10:46 | 14.9 | 10:46 | 33.6 | 10:48 | 6.8 |
| 11/21/2010 | 13:28 | 22.5 | 13:29 | 3.6 | 13:28 | 0.01 | 13:30 | 13.4 | 13:31 | 29.9 | 13:31 | 6.1 |
| 11/21/2010 | 15:11 | 24.5 | 15:11 | 3.2 | 15:13 | 0.0075 | 15:14 | 14.7 | 15:15 | 30.6 | 15:16 | 6.8 |
| 11/21/2010 | 16:01 | 26.2 | 16:02 | 2.8 | 16:03 | 0.01 | 16:03 | 15.4 | 16:04 | 31.6 | 16:04 | 2.5 |
| 11/21/2010 | 17:50 | 26.4 | 18:04 | 3.0 | 17:45 | 0.005 | 17:51 | 15.7 | 18:03 | 33.6 | 17:55 | 7.1 |
| 11/21/2010 | 19:35 | 26.5 | 19:47 | 3.2 | 19:52 | 0.005 | 19:36 | 15.8 | 19:46 | 34.2 | 19:39 | 7.2 |

## Notes:

* found open prior to measurements; possibly anomalous

$d_{MP-1}$ = distance from monitoring point to extraction well MP-1

$d_{MP-2}$ = distance from monitoring point to extraction well MP-2

ft = feet

in. water = inches of water

**Table 8: Final Monitoring Point Vacuum and Groundwater Drawdown Data**
**MPE Constant Rate Test**
Avery Dennison Site, Flowery Branch, GA

| Location | Vacuum (in. water) | Groundwater Drawdown (ft)[1] |
|---|---|---|
| MP-1 | 82.7 * | 16.68 |
| MP-2 | 56.4 * | 11.77 |
| MW-1 | 0.0 | -- |
| MW-2 | 0.18 | 1.09 |
| MW-3 | 5.9 | 3.47 |
| MW-4 | 0.06 | 1.90 |
| MW-5 | 0.18 | 3.04 |
| MW-63 | 2.5 | 1.41 |
| MW-64 | 17.7 | 5.20 |
| MW-65S | 0.95 | 3.07 |
| SV-01S | 0.0 | NA |
| SV-01D | 1.0 | NA |
| SV-03S | 0.0 | NA |
| SV-03D | 5.6 | NA |
| SV-06S | 0.0 | NA |
| SV-06D | 6.2 | NA |
| SV-101S | 0.0 | NA |
| SV-101D | 0.6 | NA |
| SV-102S | 2.2 | NA |
| SV-102D | 3.8 | NA |
| SV-103S | 4.0 | NA |
| SV-103D | 9.6 | NA |
| SV-104S | 8.5 | NA |
| SV-104D | 8.8 | NA |
| VW-1 | 26.5 | NA |
| VW-2 | 3.2 | NA |
| VW-3 | 0.005 | NA |
| VW-4 | 15.8 | NA |
| VW-5 | 34.2 | NA |
| VW-6 | 7.2 | NA |

**Notes:**
1) corrected for subsurface-applied vacuum; drawdown is relative to the water level in the well prior to the start of the test
* vacuum measured in wellhead annulus piezometer where the pressure transducer is located
in. water = inches of water
ft = feet
-- = not measured
NA = not applicable, screen is above the water table

**Table 9: Estimated Hydraulic Conductivity**
**MPE Constant Rate Test**
Avery Dennison Site, Flowery Branch, GA

| | 2010 MPE Constant Rate Test[1] | | 2005 Slug Test |
|---|---|---|---|
| Monitoring Well | Transmissivity[2] ($ft^2/d$) | Estimated Hydraulic Conductivity[3] (cm/s) | Estimated Hydraulic Conductivity[4] (cm/s) |
| MW-2 | 268.1 | 2.4E-03 | 1.7E-03 |
| MW-4 | 107.2 | 9.6E-04 | 1.4E-04 |
| MW-5 | 80.4 | 7.2E-04 | 9.0E-05 |
| MW-63 | 107.2 | 9.6E-04 | -- |

**Notes:**
1) estimated using the Theis method
2) transmissivity = hydraulic conductivity x saturated thickness
3) assumes a saturated thickness of 40 feet
4) estimated using the Bouwer-Rice (1976) solution
$ft^2/d$ = square feet per day
cm/s = centimeters per second
-- = not measured

**Table 10: Volatile Organic Compound Concentrations Detected in Effluent Air Samples (Pre-Treatment)**
**MPE Constant Rate Test**
Former Avery Dennison Site, Flowery Branch, GA

| ***Collection Timing*** | **Early** | **Mid** | **Late** |
|---|---|---|---|
| *Collection Point* | System | System | System |
| *Sample ID* | Summa#1 | Summa#2 | Summa#3 |
| *Units* | ppbv | ppbv | ppbv |
| **Analyte** | | | |
| Benzene | **36 J** | **19 J** | ND / 10 |
| Chloroethane | **39 J** | **30 J** | **20 J** |
| Chloroform | **15 J** | **10 J** | ND/ 10 |
| 1,1-Dichloroethane | **12,000** | **6,500** | **3,400** |
| 1,2-Dichloroethane | **84** | **64** | **46 J** |
| 1,1-Dichloroethene | **450,000** | **250,000** | **64,000** |
| 1,4-Dioxane | -- | -- | -- |
| Ethylbenzene | **13 J** | ND / 10 | ND / 10 |
| Freon 113 | **170** | ND / 25 | ND / 25 |
| Methylene Chloride | **540** | **490** | **260** |
| Pentane | **15 J** | ND / 10 | ND / 10 |
| Tetrachloroethane | **70** | **34 J** | **19 J** |
| Toluene | **1,200** | **1,200** | **1,400** |
| 1,1,1-Trichloroethane | **130,000** | **200,000** | **92,000** |
| 1,1,2-Trichloroethane | **11 J** | ND / 10 | ND / 10 |
| Trichloroethene | **150** | **77** | **38 J** |
| Trichlorofluoromethane | **12 J** | ND / 10 | ND / 10 |
| Vinyl Chloride | **180** | **95** | **36 J** |
| m/p-Xylene | **560** | **230** | **110** |
| o-Xylene | **35 J** | **17 J** | **10 J** |
| Xylene (Total) | -- | -- | -- |

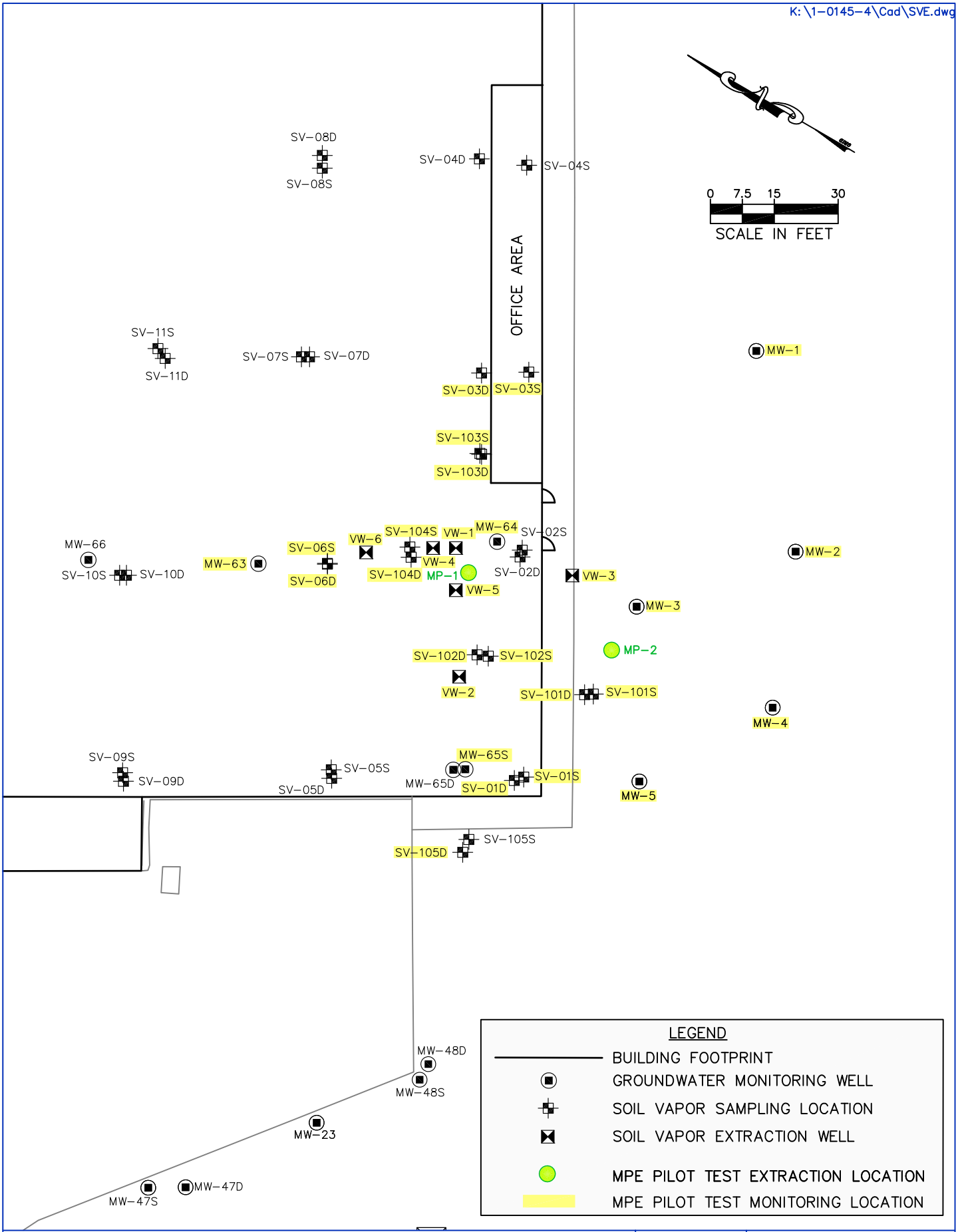
**Notes:**
ppbv = parts per billion by volume
ND / ## = not detected, detection limit given
J = estimated concentration
-- = not measured

**Table 11: Volatile Organic Compound Concentrations Detected in Effluent Groundwater Samples**
**MPE Constant Rate Test**
Former Avery Dennison Site, Flowery Branch, GA

| *Collection Timing* | **Pre-Test** | | **Early** | **Mid** | **Late** | **Post-Test** | |
|---|---|---|---|---|---|---|---|
| *Collection Point* | MP-1 | MP-2 | System | System | System | MP-1 | MP-2 |
| *Sample ID* | MP-1A | MP-2A | System-1 | System-2 | System-3 | MP-1B | MP-2B |
| *Units* | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| **Analyte** | | | | | | | |
| Benzene | ND / 25 | ND / 5 | ND / 5 | ND / 5 | ND / 5 | ND / 10 | ND / 5 |
| Chloroethane | ND / 25 | ND / 5 | ND / 5 | ND / 5 | ND / 5 | ND / 10 | ND / 5 |
| Chloroform | ND / 25 | ND / 5 | ND / 5 | ND / 5 | ND / 5 | ND / 10 | ND / 5 |
| 1,1-Dichloroethane | **160** | **10** | **140** | **76** | **41** | **110** | **9** |
| 1,2-Dichloroethane | ND / 25 | ND / 5 | ND / 5 | ND / 5 | ND / 5 | ND / 10 | ND / 5 |
| 1,1-Dichloroethene | **1,600** | **81** | **690** | **290** | **170** | **690** | **88** |
| 1,4-Dioxane | ND / 1300 | ND / 250 | ND / 250 | ND / 250 | ND / 250 | **900** | ND / 250 |
| Ethylbenzene | ND / 25 | ND / 5 | ND / 5 | ND / 5 | ND / 5 | ND / 10 | ND / 5 |
| Freon 113 | -- | -- | -- | -- | -- | -- | -- |
| Methylene Chloride | ND / 25 | ND / 5 | **12** | **8** | ND / 5 | ND / 10 | ND / 5 |
| Pentane | -- | -- | -- | -- | -- | -- | -- |
| Tetrachloroethane | ND / 25 | ND / 5 | ND / 5 | ND / 5 | ND / 5 | ND / 10 | ND / 5 |
| Toluene | ND / 25 | ND / 5 | **11** | **18** | **19** | ND / 10 | ND / 5 |
| 1,1,1-Trichloroethane | **3,000** | **5** | **470** | **430** | **320** | **1,400** | **13** |
| 1,1,2-Trichloroethane | ND / 25 | ND / 5 | ND / 5 | -- / 5 | ND / 5 | ND / 10 | ND / 5 |
| Trichloroethene | ND / 25 | ND / 5 | ND / 5 | ND / 5 | ND / 5 | ND / 10 | ND / 5 |
| Trichlorofluoromethane | -- | -- | -- | -- | -- | -- | -- |
| Vinyl Chloride | ND / 10 | ND / 2 | ND / 2 | ND / 2 | ND / 2 | ND / 4 | ND / 2 |
| m/p-Xylene | -- | -- | -- | -- | -- | -- | -- |
| o-Xylene | -- | -- | -- | -- | -- | -- | -- |
| Xylene (Total) | ND / 25 | ND / 5 | **7** | ND / 5 | ND / 5 | ND / 10 | ND / 5 |

**Notes:**
µg/L = micrograms per liter
ND / ## = not detected, detection limit given
J = estimated concentration
-- = not measured

# FIGURES




# FIGURE 1: MULTI-PHASE EXTRACTION PILOT TEST EXTRACTION AND MONITORING LOCATIONS AVERY DENNISON SITE, FLOWERY BRANCH, GA


The Johnson Company
100 State Street, Suite 600
Montpelier, VT 05602


| | |
|---|---|
| Drawn by: TJK | Date: 02/09/11 |
| Reviewed by: JCK | Date: 02/09/11 |
| Scale: As Shown | Project: 1-0145-4 |

K:\1-0145-4\Cad\SVE.dwg

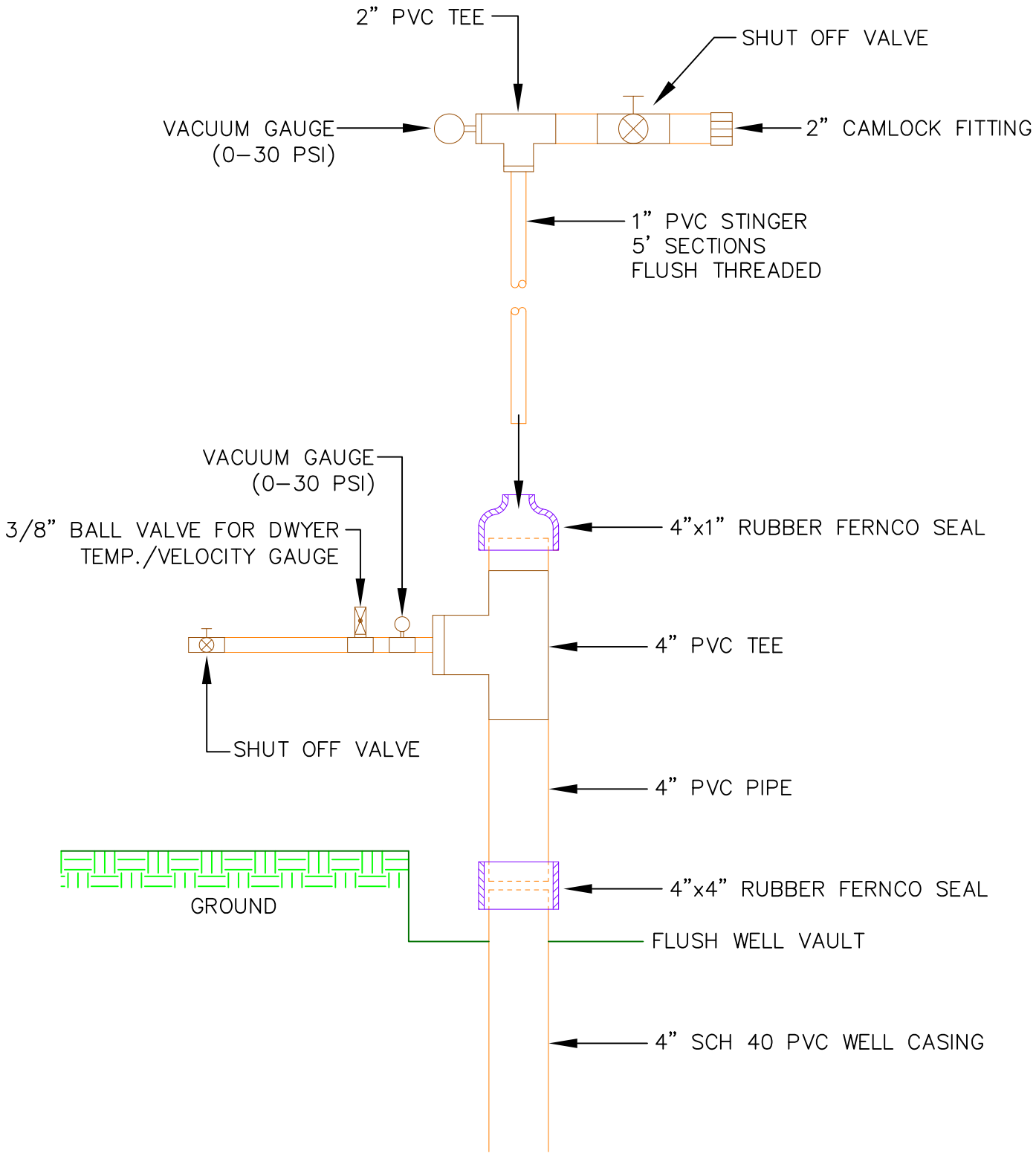



**FIGURE 2: SCHEMATIC DIAGRAM OF THE EXTRACTION WELLHEAD CONFIGURATION AVERY DENNISON SITE, FLOWERY BRANCH, GA**

The Johnson Company

100 State Street, Suite 600
Montpelier, VT 05602

| | |
|---|---|
| Drawn by: TJK | Date: 05/11/11 |
| Reviewed by: JCK | Date: 05/11/11 |
| Scale: None | Project: 1-0145-4 |

**Figure 3: Extraction Well Water Level Drawdown***
**MPE Step Test**
Avery Dennison Site, Flowery Branch, GA

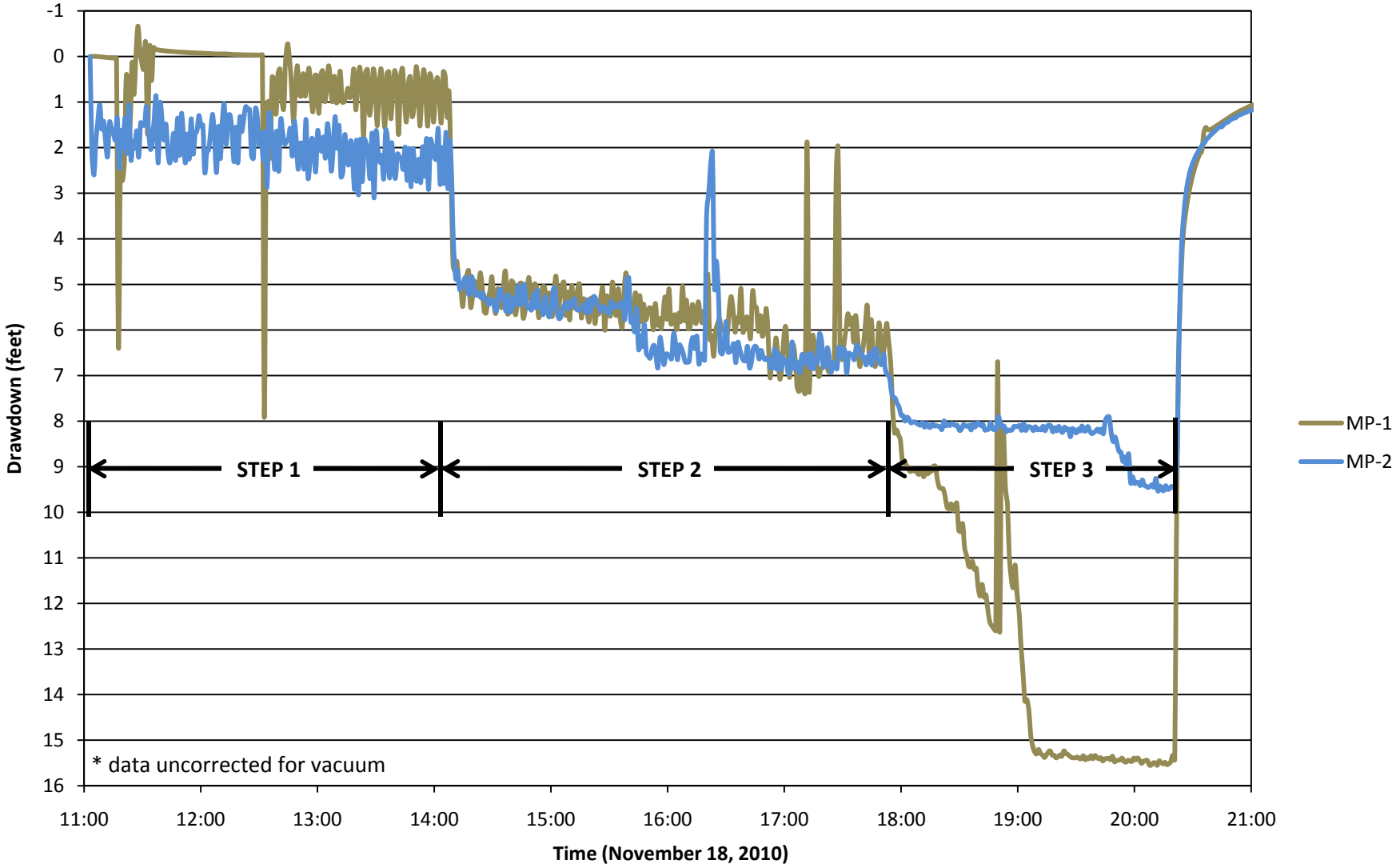


**Figure 4: Monitoring Well Water Level Drawdown***
**MPE Step Test**
Avery Dennison Site, Flowery Branch, GA

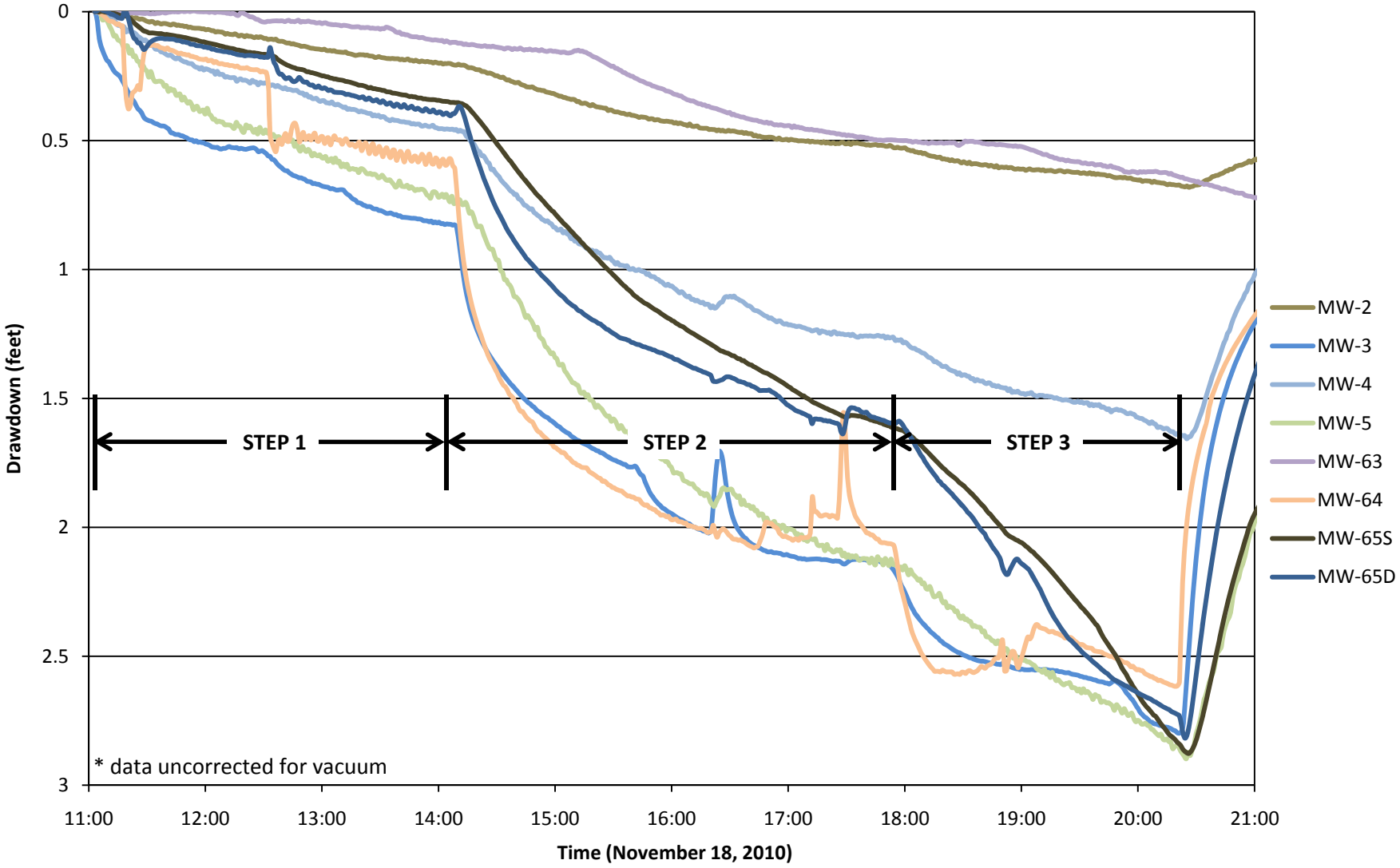


**Figure 5: Applied Vacuum and Resultant Air and Groundwater Extraction Rates**
**MPE Constant Rate Test**
Avery Dennison Site, Flowery Branch, GA

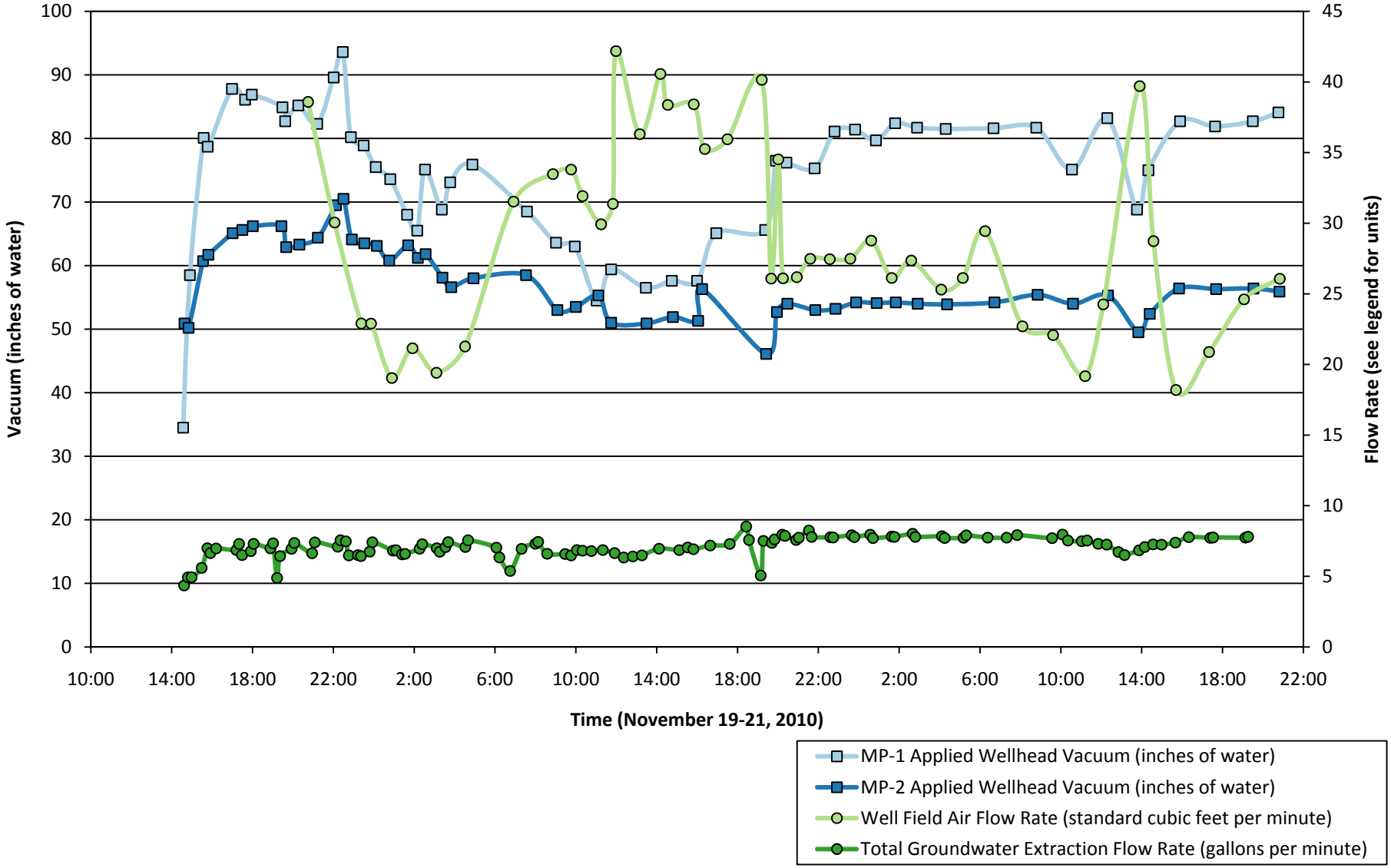


**Figure 6: Extraction Well Water Level Drawdown**
**MPE Constant Rate Test**
Avery Dennison Site, Flowery Branch, GA

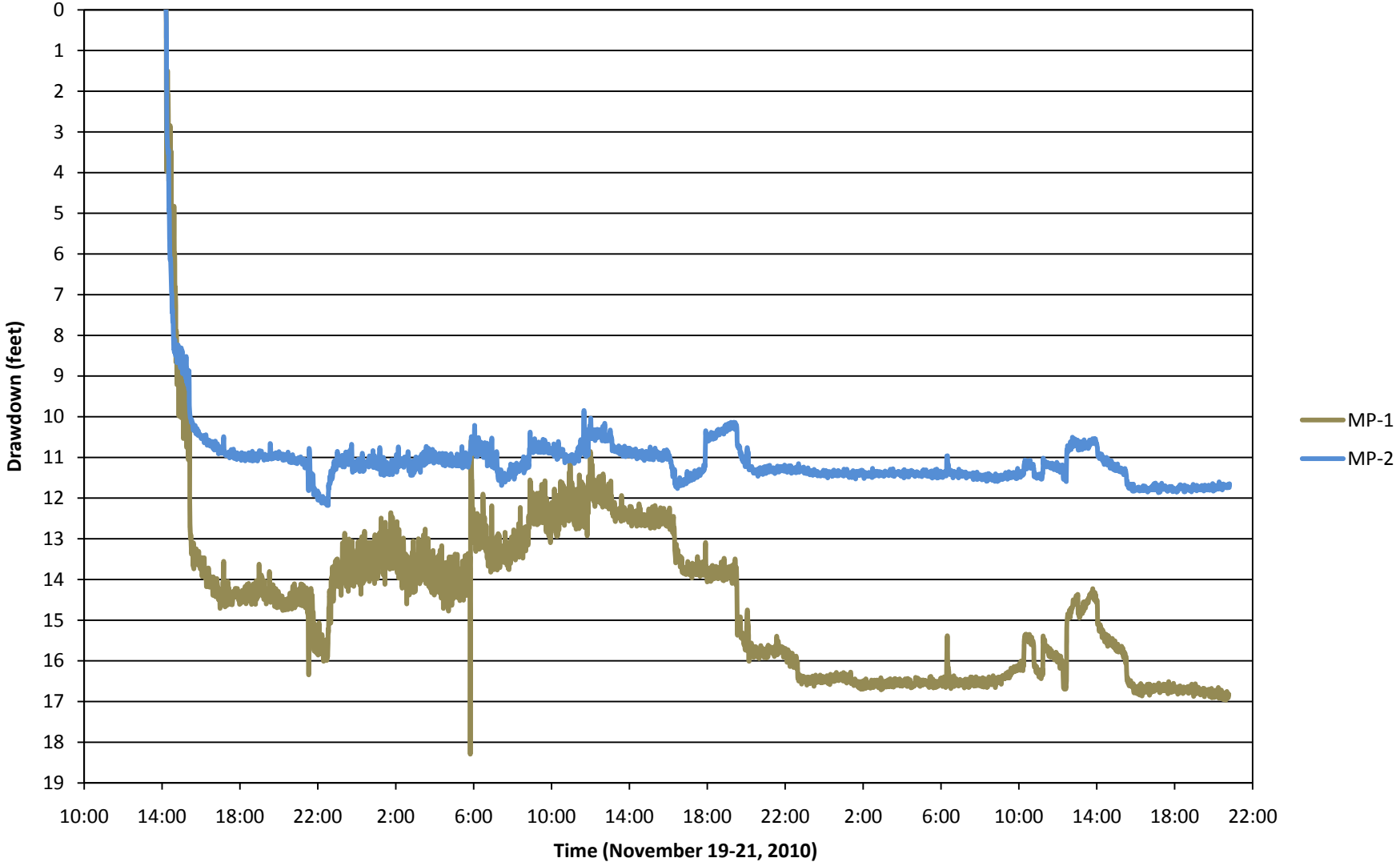
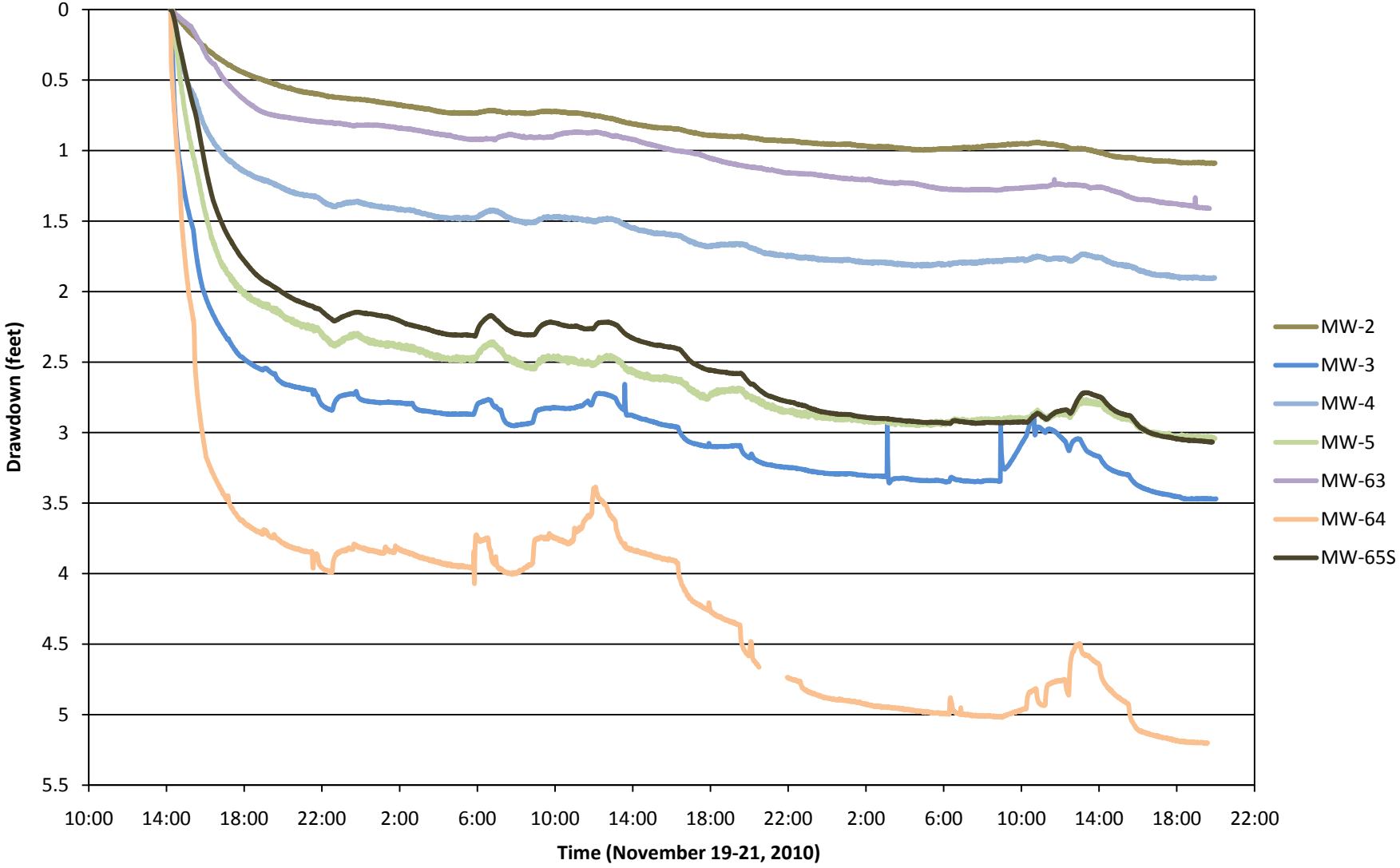
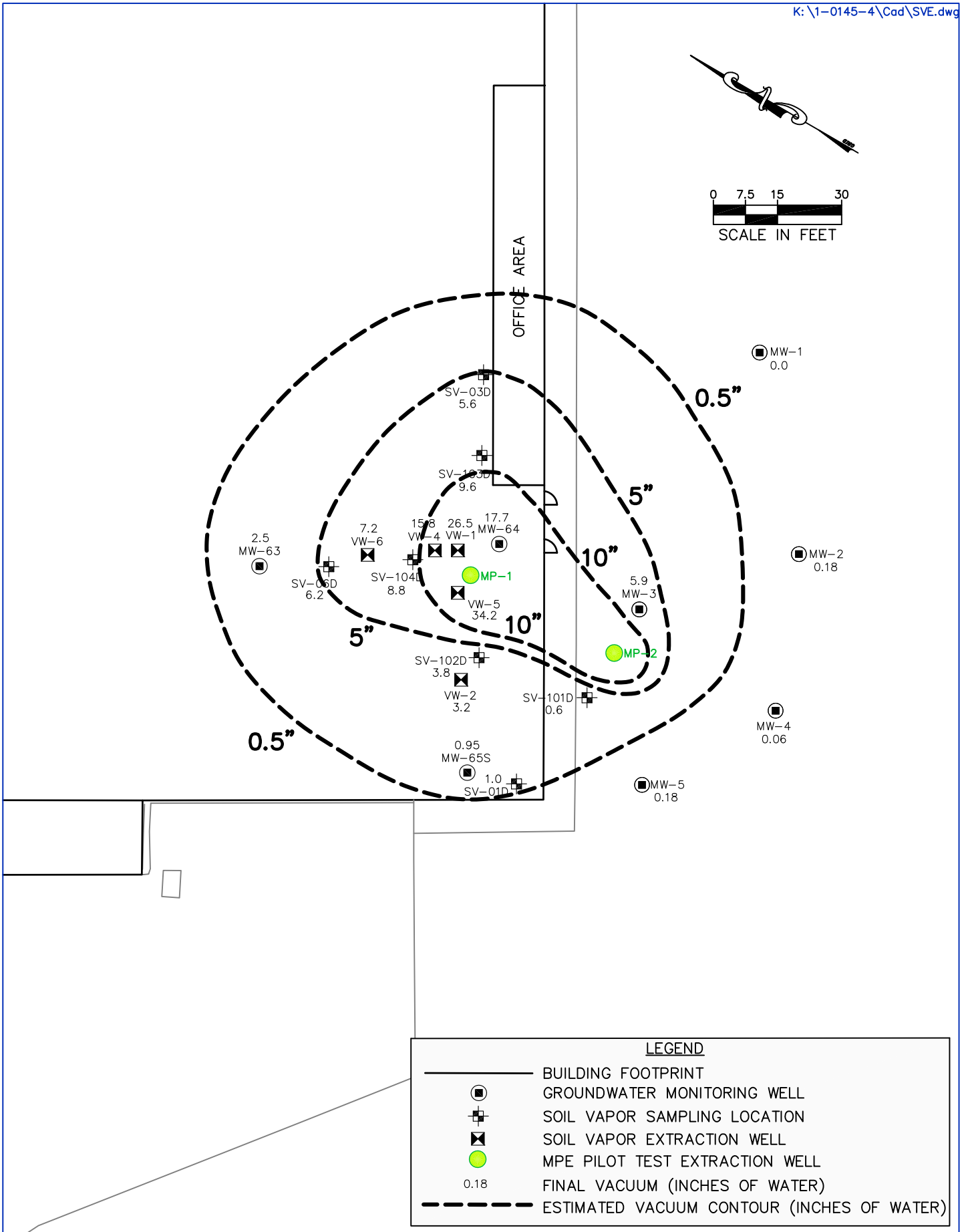


**Figure 7: Monitoring Well Water Level Drawdown**
**MPE Constant Rate Test**
Avery Dennison Site, Flowery Branch, GA






# FIGURE 8: FINAL VACUUM AT MONITORING POINTS MPE CONSTANT RATE TEST AVERY DENNISON SITE, FLOWERY BRANCH, GA


The Johnson Company
100 State Street, Suite 600
Montpelier, VT 05602


| | |
|---|---|
| Drawn by: TJK | Date: 02/09/11 |
| Reviewed by: JCK | Date: 02/09/11 |
| Scale: As Shown | Project: 1-0145-4 |

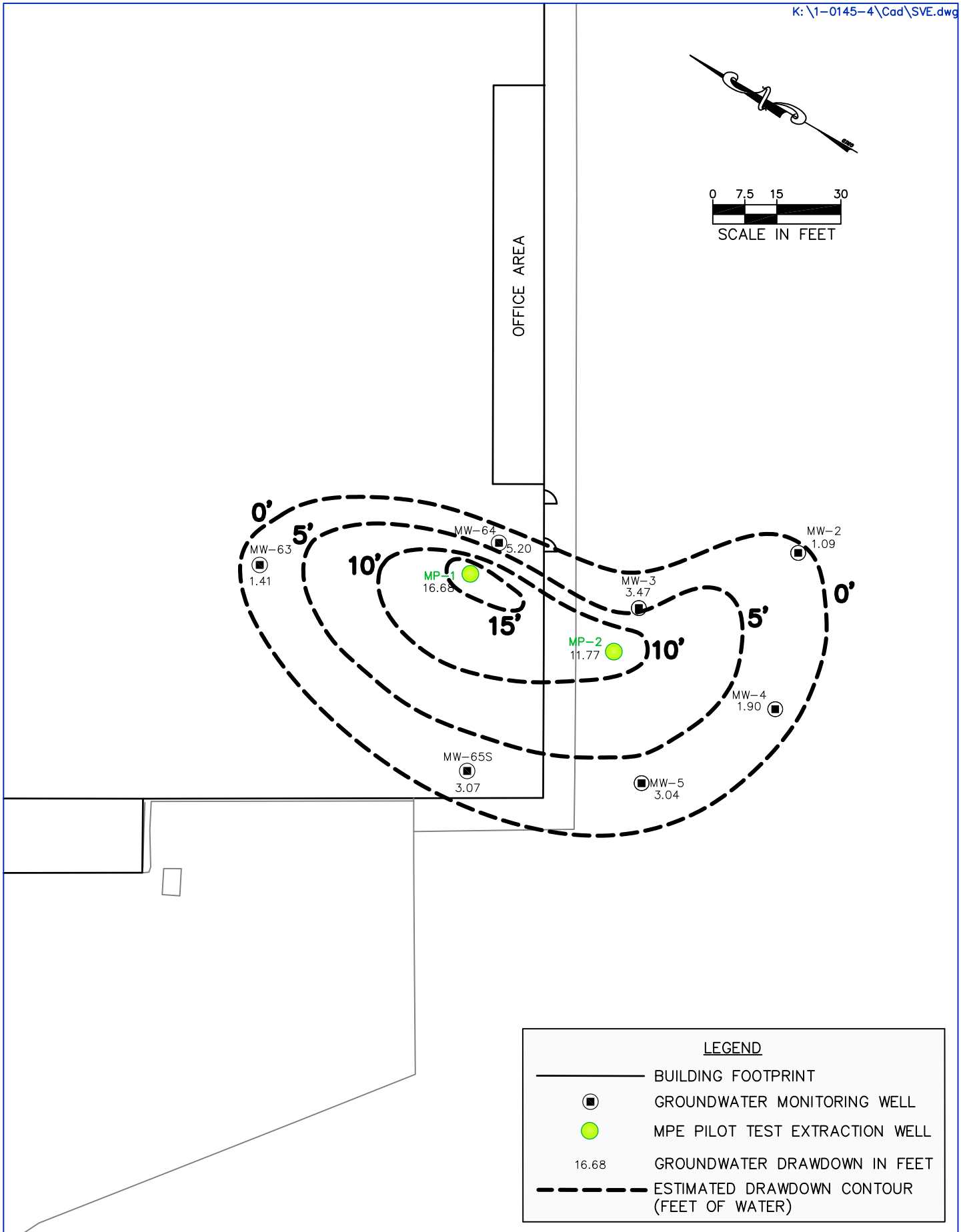



**FIGURE 9: FINAL WATER LEVEL DRAWDOWN AT MONITORING POINTS - MPE CONSTANT RATE TEST AVERY DENNISON SITE, FLOWERY BRANCH, GA**

The Johnson Company
100 State Street, Suite 600
Montpelier, VT 05602

| | |
|---|---|
| Drawn by: KES | Date: 02/09/11 |
| Reviewed by: JCK | Date: 02/09/11 |
| Scale: As Shown | Project: 1-0145-4 |

# APPENDIX A

PHOTOGRAPHS AND SCHEMATICS OF THE MPE SYSTEM SETUP




Portable multi-phase extraction system – side view. The air/water separator is the blue tank on the left. The liquid ring vacuum pump is the cream-colored device on the right. The diesel power generator is in the middle.




Portable multi-phase extraction system – front view. The air/water separator is the blue tank at the rear. The liquid ring vacuum pump is the cream-colored device in the foreground. The granular activated carbon (GAC) air treatment tank is the 85-gallon drum on the right.



Portable multi-phase extraction system setup at the Site.




Intake manifold with vacuum gauges mounted at the rear of the trailer.



An operator inserts the slurp tube through the top port of the MP-2 wellhead. The flexible hose runs back to the manifold at the MPE trailer.

Typical setup of the slurp tube inserted into the wellhead during operation (MP-2 shown). Various valves and gauges allow for the control and monitoring of the applied vacuum at the wellhead.





Typical setup of the slurp tube inserted into the wellhead during operation (MP-1 shown). Various valves and gauges allow for the control and monitoring of the applied vacuum at the wellhead. The collocated piezometer next to the larger extraction well is shown.

Typical indoor vapor well monitoring point instrumented with a vacuum gauge (sitting on top of the bucket).






Typical outdoor monitoring well instrumented with a vacuum gauge (sitting on top of the cooler). Extraction well MP-2 is in the background.



The portable MPE system (left) with the water untreated water discharge line running to the on-Site holding tanks (right).

# APPENDIX B

DATA ANALYSIS OF HYDRAULIC CONDUCTIVITY AND VACUUM RADIUS OF INFLUENCE

**Hydraulic Conductivity Analysis**
**MPE Constant Rate Test**
Avery Dennison Site, Flowery Branch, GA

**Monitoring Well MW-2 Theis analysis:**

Match point data:

| | | | |
|---|---|---|---|
| 1/u | 4 | | |
| W(u) | 0.05 | | |
| (h0-h) | 0.01 | ft | |
| t | 70 | min | |
| | 0.048611 | d | |

Calculating T:

| | | | |
|---|---|---|---|
| Q | 3.5 | gal/min | |
| | 673.8 | ft3/d | (x 1/7.48 ft3/gal x 1440 min/d) |
| T | 268.1 | ft2/d | |
| b | 50 | ft | estimated |
| K | 5.4 | ft/d | |
| | 1.9E-03 | cm/s | 1 ft = 30.48 cm, 1 d = 86400 s |
| | 1.9E-05 | m/s | |

| b | K (ft/d) | K (cm/s) |
|---|---|---|
| 30 | 8.9 | 3.2E-03 |
| 40 | 6.7 | 2.4E-03 |
| 50 | 5.4 | 1.9E-03 |

Calculating S:

| | | | |
|---|---|---|---|
| X | 41.5 | ft | relative to MP2 |
| Y | 20.8 | ft | relative to MP2 |
| r | 46.4 | ft | |
| S | 6.0E-03 | | |

**Monitoring Well MW-4 Theis analysis:**

Match point data:

| | | | |
|---|---|---|---|
| 1/u | 50 | | |
| W(u) | 0.2 | | |
| (h0-h) | 0.1 | ft | |
| t | 700 | min | |
| | 0.486111 | d | |

Calculating T:

| | | | |
|---|---|---|---|
| Q | 3.5 | gal/min | |
| | 673.8 | ft3/d | (x 1/7.48 ft3/gal x 1440 min/d) |
| T | 107.2 | ft2/d | |
| b | 50 | ft | estimated |
| K | 2.1 | ft/d | |
| | 7.7E-04 | cm/s | 1 ft = 30.48 cm, 1 d = 86400 s |
| | 7.7E-06 | m/s | |

| b | K (ft/d) | K (cm/s) |
|---|---|---|
| 30 | 3.6 | 1.3E-03 |
| 40 | 2.7 | 9.6E-04 |
| 50 | 2.1 | 7.7E-04 |

Calculating S:

| | | | |
|---|---|---|---|
| X | 35.8 | ft | relative to MP2 |
| Y | 15 | ft | relative to MP2 |
| r | 38.8 | ft | |
| S | 2.8E-03 | | |

**Hydraulic Conductivity Analysis**
**MPE Constant Rate Test**
Avery Dennison Site, Flowery Branch, GA

**Monitoring Well MW-5 Theis analysis:**

Match point data:

| | | | |
|---|---|---|---|
| 1/u | 1 | | |
| W(u) | 0.03 | | |
| (h0-h) | 0.02 | ft | |
| t | 10 | min | |
| | 0.006944 | d | |

Calculating T:

| | | | |
|---|---|---|---|
| Q | 3.5 | gal/min | |
| | 673.8 | ft3/d | (x 1/7.48 ft3/gal x 1440 min/d) |
| T | 80.4 | ft2/d | |
| b | 50 | ft | estimated |
| K | 1.6 | ft/d | |
| | 5.7E-04 | cm/s | 1 ft = 30.48 cm, 1 d = 86400 s |
| | 5.7E-06 | m/s | |

Calculating S:

| | | | |
|---|---|---|---|
| X | 5.7 | ft | relative to MP2 |
| Y | 31.1 | ft | relative to MP2 |
| r | 31.6 | ft | |
| S | 2.2E-03 | | |

| b | K (ft/d) | K (cm/s) |
|---|---|---|
| 30 | 2.7 | 9.6E-04 |
| 40 | 2.0 | 7.2E-04 |
| 50 | 1.6 | 5.7E-04 |

**Monitoring Well MW-63 Theis analysis:**

Match point data:

| | | | |
|---|---|---|---|
| 1/u | 9 | | |
| W(u) | 0.08 | | |
| (h0-h) | 0.04 | ft | |
| t | 1000 | min | |
| | 0.694444 | d | |

Calculating T:

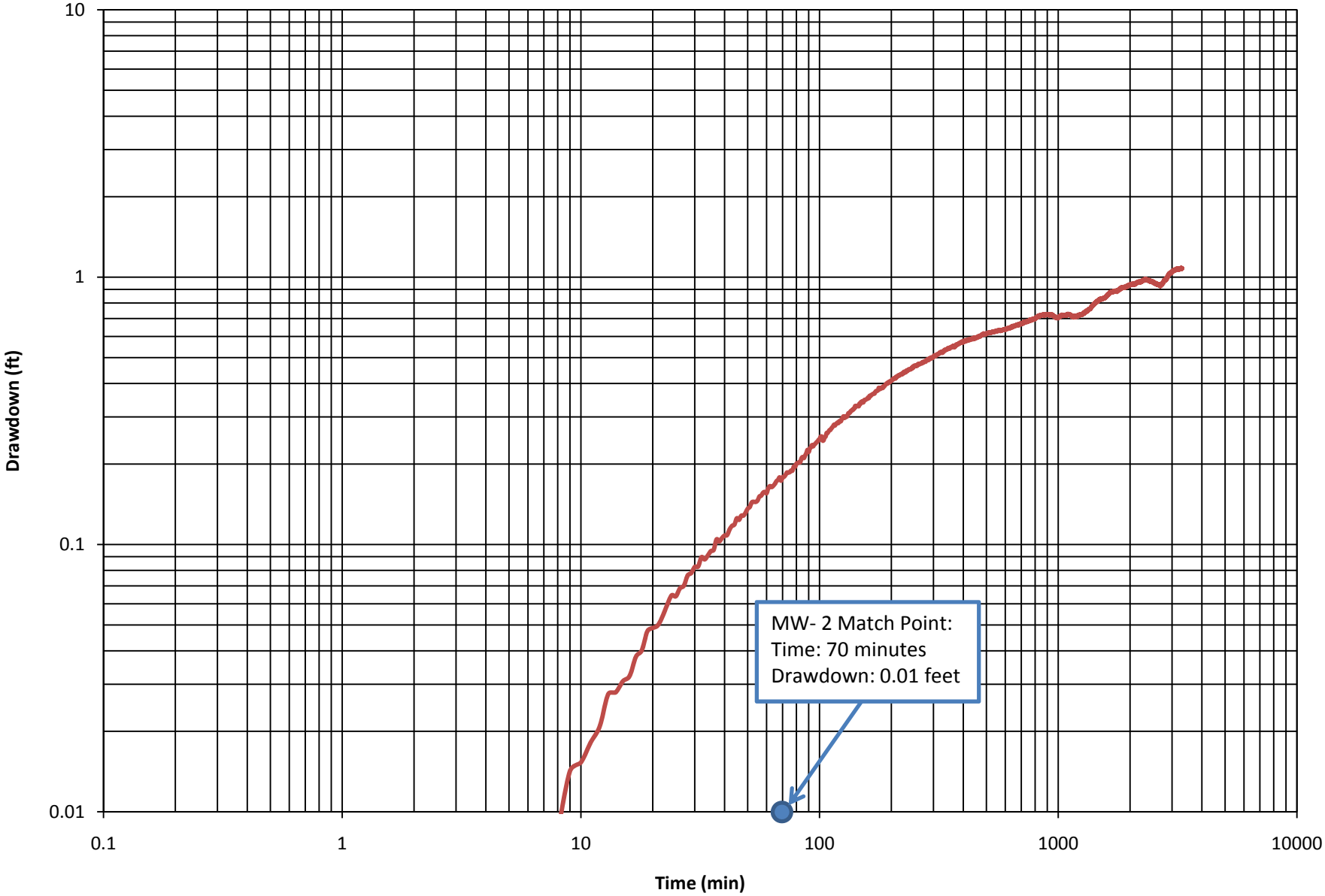
| | | | |
|---|---|---|---|
| Q | 3.5 | gal/min | |
| | 673.8 | ft3/d | (x 1/7.48 ft3/gal x 1440 min/d) |
| T | 107.2 | ft2/d | |
| b | 50 | ft | estimated |
| K | 2.1 | ft/d | |
| | 7.7E-04 | cm/s | 1 ft = 30.48 cm, 1 d = 86400 s |
| | 7.7E-06 | m/s | |

Calculating S:

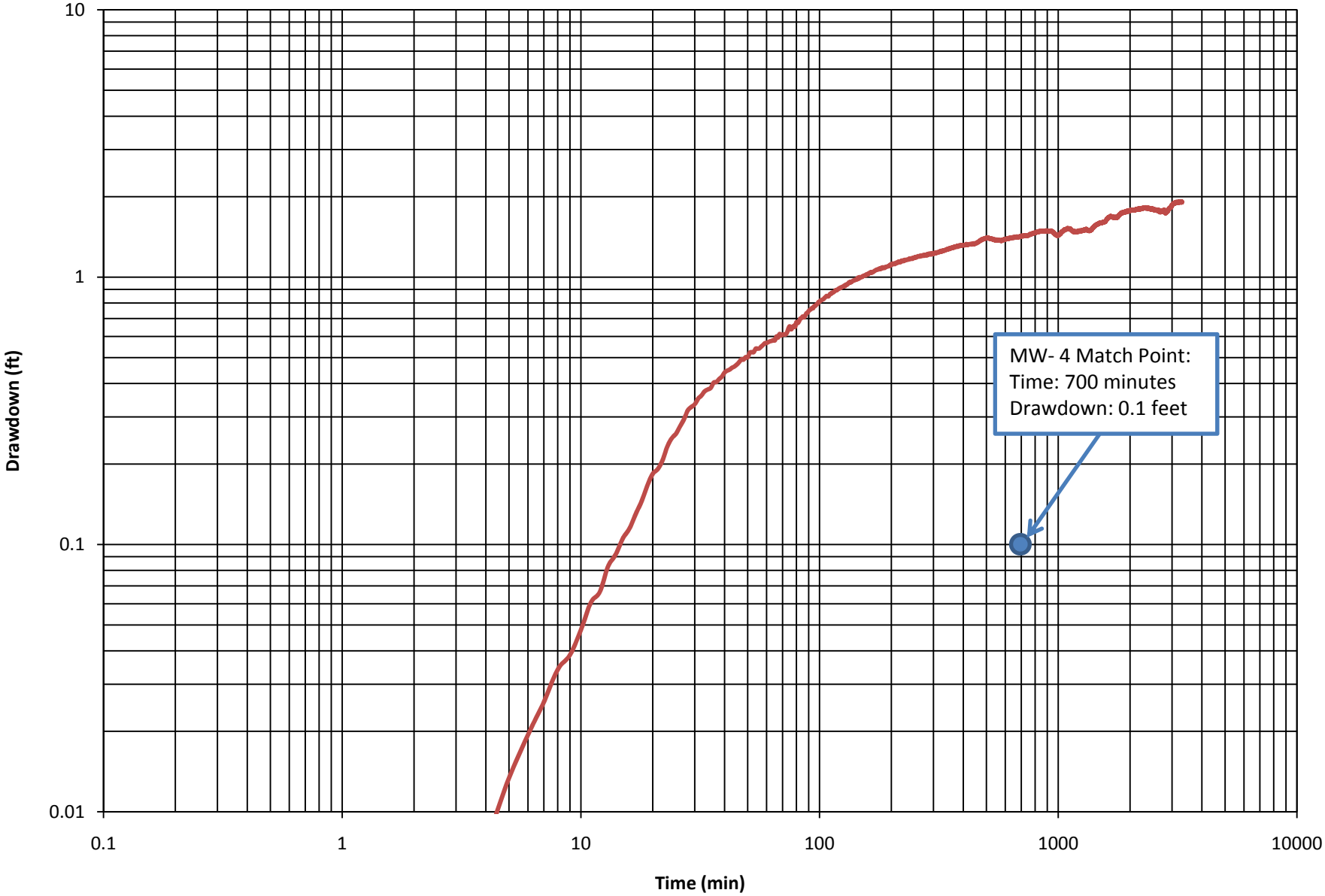
| | | | |
|---|---|---|---|
| X | 48.5 | ft | relative to MP2 |
| Y | 2.3 | ft | relative to MP2 |
| r | 48.6 | ft | |
| S | 1.4E-02 | | |

| b | K (ft/d) | K (cm/s) |
|---|---|---|
| 30 | 3.6 | 1.3E-03 |
| 40 | 2.7 | 9.6E-04 |
| 50 | 2.1 | 7.7E-04 |

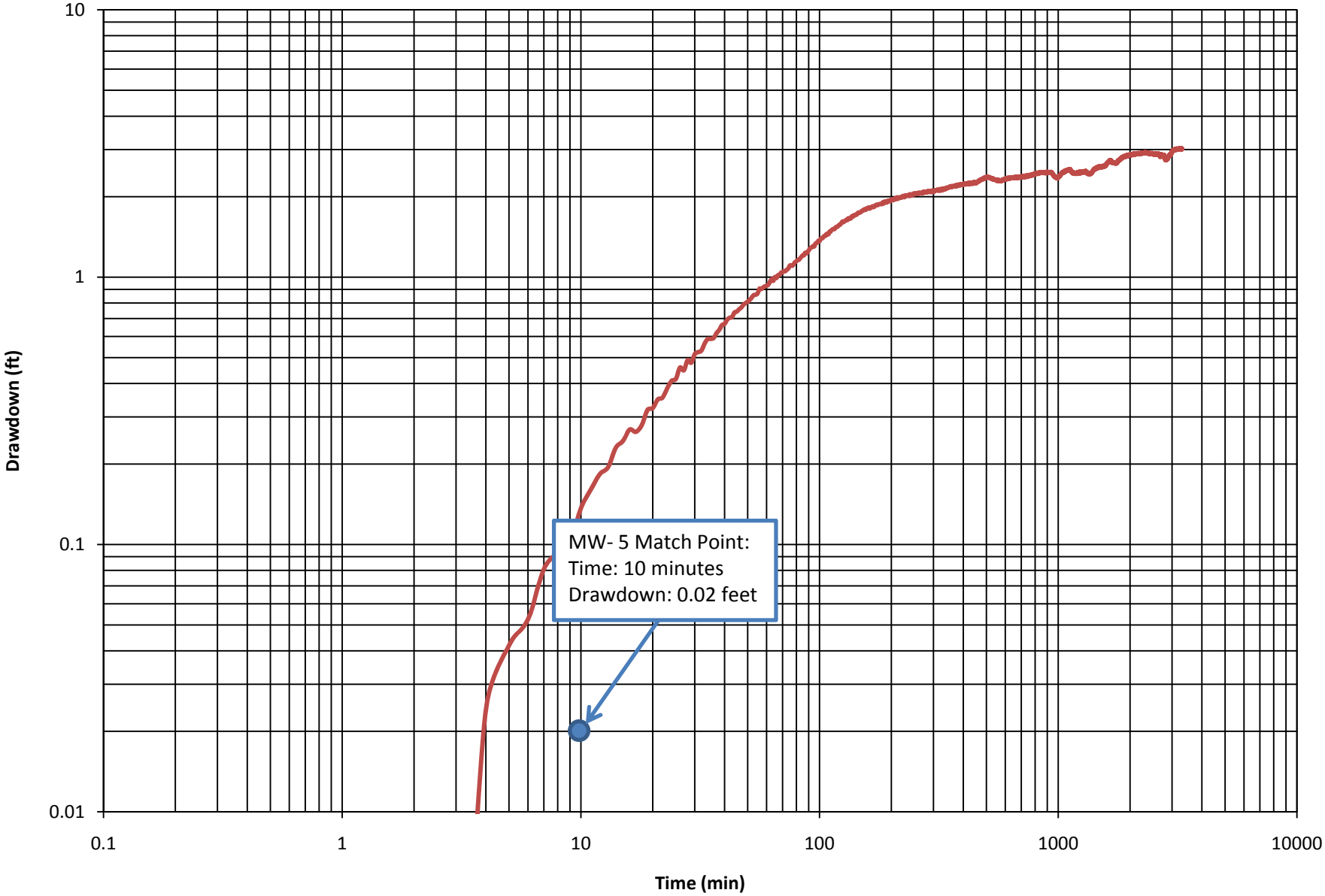
# Monitoring Well: MW-2



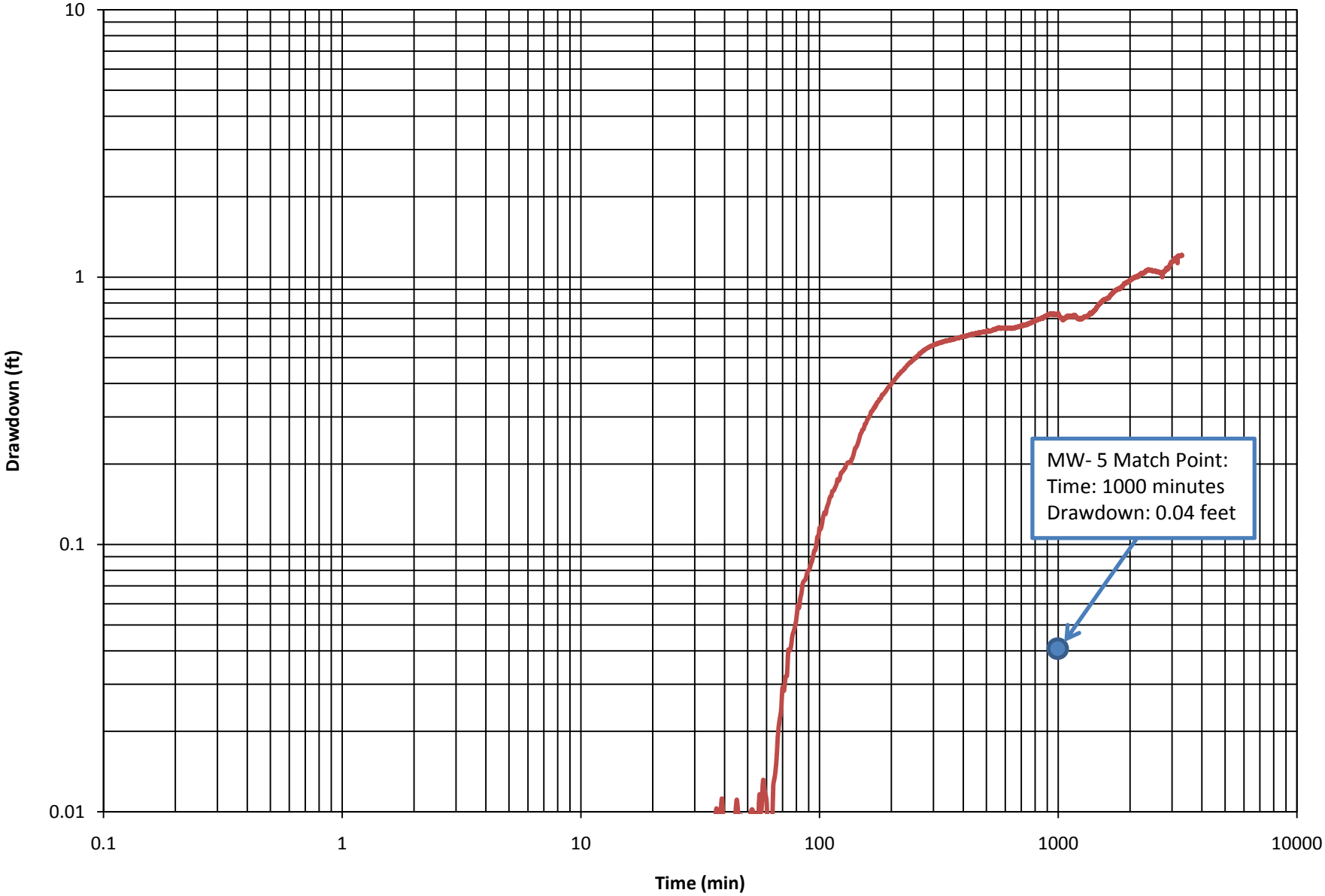
# Monitoring Well: MW-4



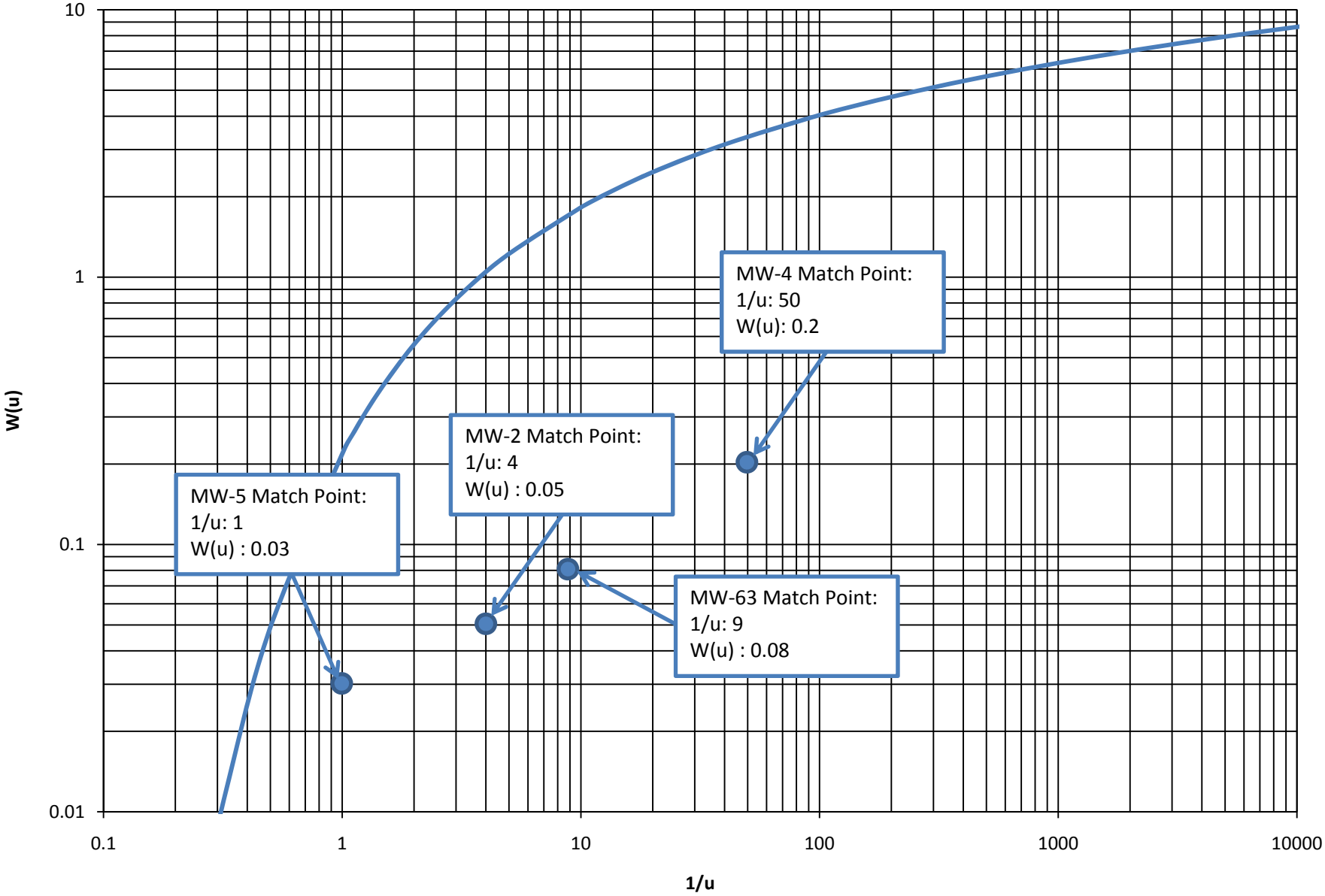
# Monitoring Well: MW-5



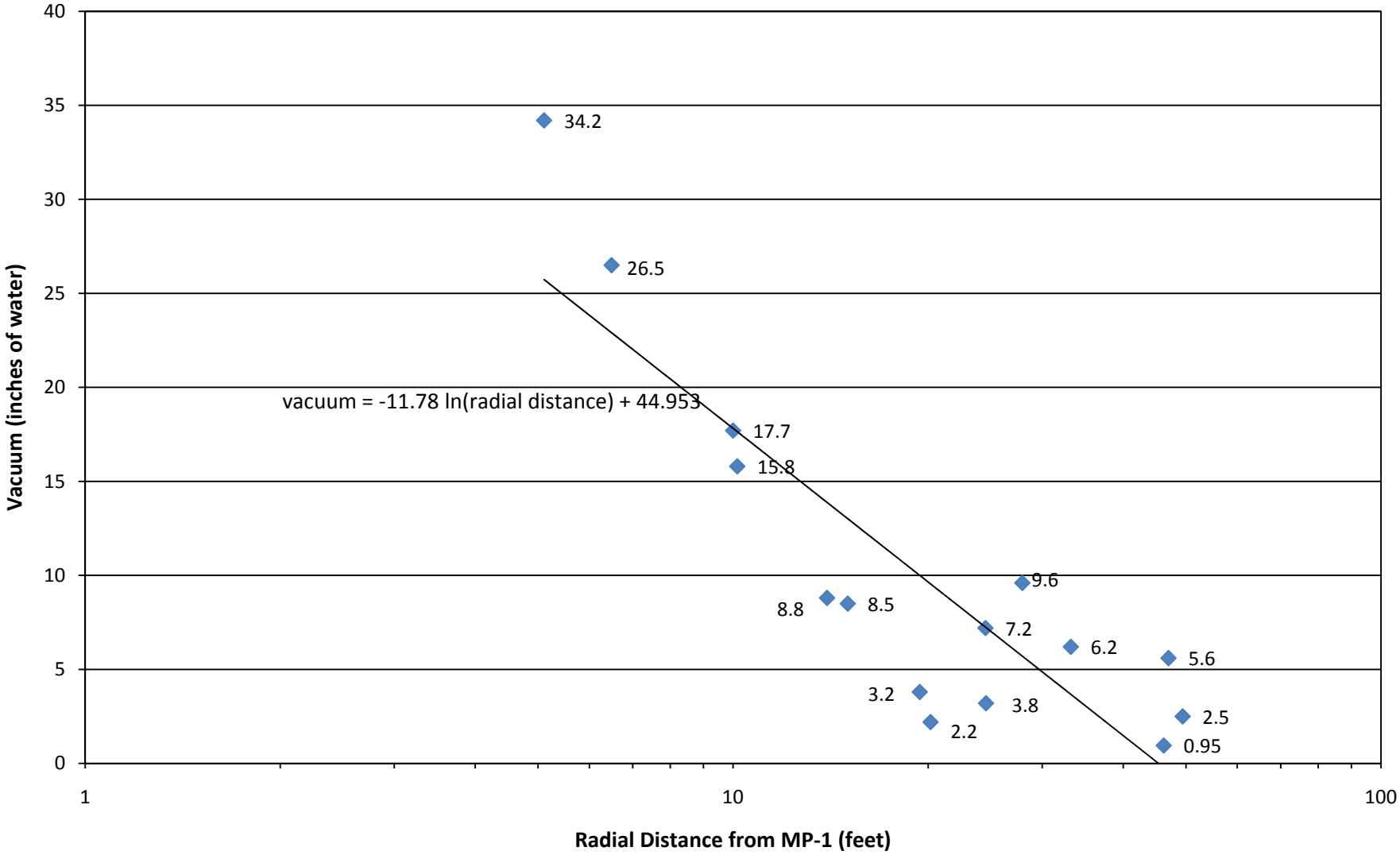
# Monitoring Well: MW-63



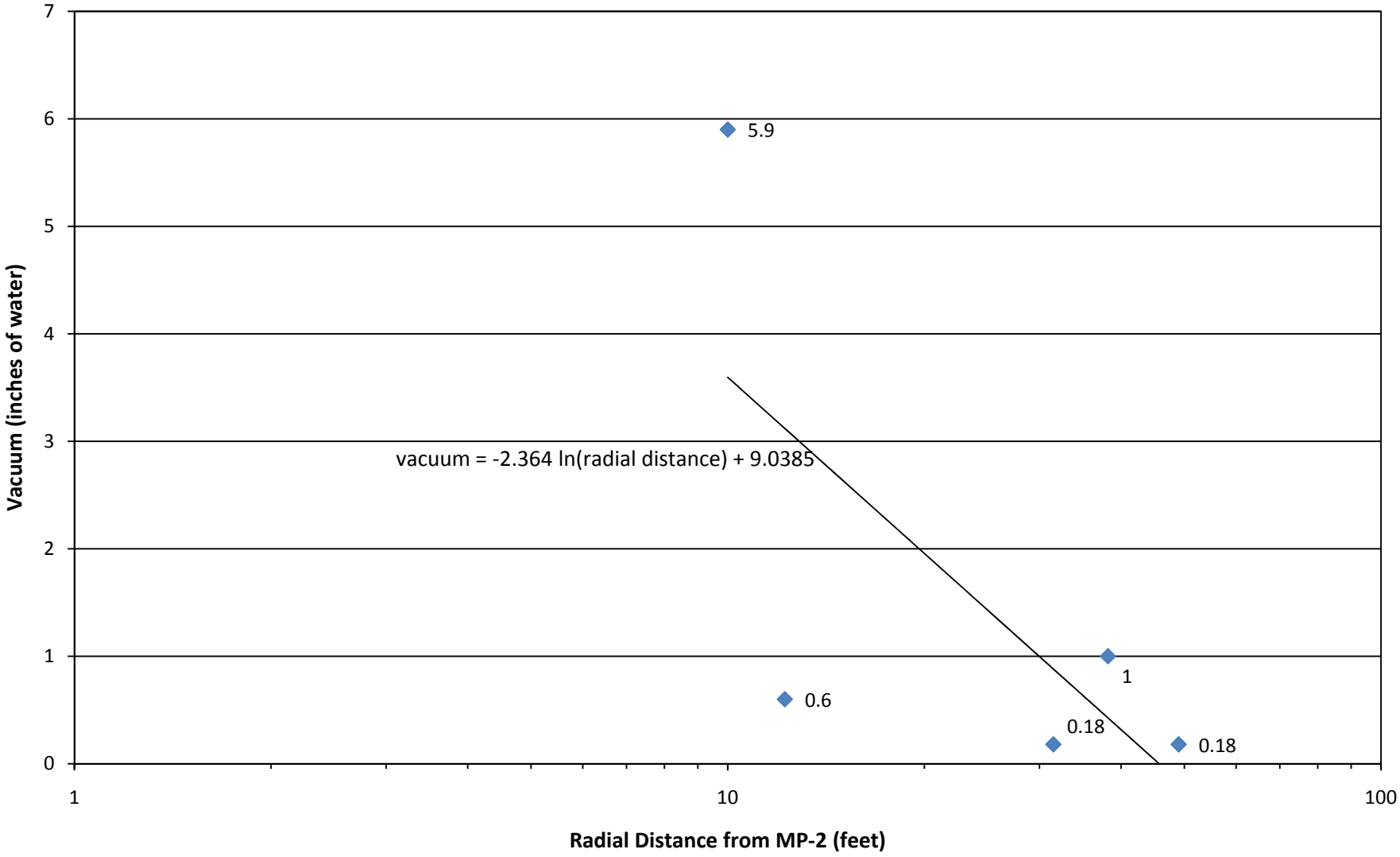
# Theis Curve


10
1
0.1
0.01
W(u)
0.1
1
10
100
1000
10000
1/u
MW-4 Match Point:
1/u: 50
W(u): 0.2
MW-2 Match Point:
1/u: 4
W(u) : 0.05
MW-5 Match Point:
1/u: 1
W(u) : 0.03
MW-63 Match Point:
1/u: 9
W(u) : 0.08

**Final Vacuum Response at Monitoring Points due to MP-1**
**MPE Constant Rate Test**
Avery Dennison Site, Flowery Branch, GA



**Final Vacuum Response at Monitoring Points due to MP-2**
**MPE Constant Rate Test**
Avery Dennison Site, Flowery Branch, GA



**APPENDIX C**

ANALYTICAL LABORATORY REPORTS

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

# Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

December 07, 2010

Project: Avery Dennison / Flowery Branch, GA

Submittal Date: 11/23/2010
Group Number: 1222532
PO Number: 1-0145-4
State of Sample Origin: GA

| Client Sample Description | Lancaster Labs (LLI) # |
|---|---|
| MP-1A Grab Water | 6148580 |
| MP-1B Grab Water | 6148581 |
| MP-2A Grab Water | 6148582 |
| MP-2B Grab Water | 6148583 |
| SYSTEM-1 Grab Water | 6148584 |
| SYSTEM-2 Grab Water | 6148585 |
| SYSTEM-3 Grab Water | 6148586 |
| TRIP BLANK Water | 6148587 |

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO The Johnson Company, Inc. Attn: Glen Kirkpatrick

Lancaster Laboratories

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# Analysis Report

Questions? Contact your Client Services Representative
Wendy A Kozma at (717) 656-2300 Ext. 1522

Respectfully Submitted,



Lawrence M. Taylor
Senior Specialist

Lancaster Laboratories

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# Analysis Report



**Sample Description: MP-1A Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6148580**
**LLI Group # 1222532**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/19/2010 08:16 by TH

Submitted: 11/23/2010 10:00
Reported: 12/07/2010 13:26

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLB1A

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 100 | 100 | 5 |
| 10903 | Benzene | 71-43-2 | < 25 | 25 | 5 |
| 10903 | Bromodichloromethane | 75-27-4 | < 25 | 25 | 5 |
| 10903 | Bromoform | 75-25-2 | < 25 | 25 | 5 |
| 10903 | Bromomethane | 74-83-9 | < 25 | 25 | 5 |
| 10903 | 2-Butanone | 78-93-3 | < 50 | 50 | 5 |
| 10903 | Carbon Disulfide | 75-15-0 | < 25 | 25 | 5 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 25 | 25 | 5 |
| 10903 | Chlorobenzene | 108-90-7 | < 25 | 25 | 5 |
| 10903 | Chloroethane | 75-00-3 | < 25 | 25 | 5 |
| 10903 | Chloroform | 67-66-3 | < 25 | 25 | 5 |
| 10903 | Chloromethane | 74-87-3 | < 25 | 25 | 5 |
| 10903 | Dibromochloromethane | 124-48-1 | < 25 | 25 | 5 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 160 | 25 | 5 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 25 | 25 | 5 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 1,600 | 100 | 50 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 25 | 25 | 5 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 25 | 25 | 5 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 25 | 25 | 5 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 25 | 25 | 5 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 25 | 25 | 5 |
| 10903 | 1,4-Dioxane | 123-91-1 | < 1,300 | 1,300 | 5 |
| 10903 | Ethylbenzene | 100-41-4 | < 25 | 25 | 5 |
| 10903 | 2-Hexanone | 591-78-6 | < 50 | 50 | 5 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 50 | 50 | 5 |
| 10903 | Methylene Chloride | 75-09-2 | < 25 | 25 | 5 |
| 10903 | Styrene | 100-42-5 | < 25 | 25 | 5 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 25 | 25 | 5 |
| 10903 | Tetrachloroethene | 127-18-4 | < 25 | 25 | 5 |
| 10903 | Toluene | 108-88-3 | < 25 | 25 | 5 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 3,000 | 250 | 50 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 25 | 25 | 5 |
| 10903 | Trichloroethene | 79-01-6 | < 25 | 25 | 5 |
| 10903 | Vinyl Chloride | 75-01-4 | < 10 | 10 | 5 |
| 10903 | Xylene (Total) | 1330-20-7 | < 25 | 25 | 5 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/11

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | VOCs TCL 3.2 + 1,4-Dioxane | SW-846 8260B | 1 | Y103342AA | 12/01/2010 02:36 | Frank A Valla, Jr | 5 |
| 10903 | VOCs TCL 3.2 + 1,4-Dioxane | SW-846 8260B | 1 | Y103342AA | 12/01/2010 02:57 | Frank A Valla, Jr | 50 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y103342AA | 12/01/2010 02:36 | Frank A Valla, Jr | 5 |

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# Analysis Report



**Sample Description: MP-1A Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6148580**
**LLI Group # 1222532**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/19/2010 08:16 by TH

Submitted: 11/23/2010 10:00
Reported: 12/07/2010 13:26

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLB1A

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | Y103342AA | 12/01/2010 02:57 | Frank A Valla, Jr | 50 |

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# Analysis Report



**Sample Description: MP-1B Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6148581**
**LLI Group # 1222532**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/22/2010 12:32 by TH

Submitted: 11/23/2010 10:00
Reported: 12/07/2010 13:26

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLB1B

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 40 | 40 | 2 |
| 10903 | Benzene | 71-43-2 | < 10 | 10 | 2 |
| 10903 | Bromodichloromethane | 75-27-4 | < 10 | 10 | 2 |
| 10903 | Bromoform | 75-25-2 | < 10 | 10 | 2 |
| 10903 | Bromomethane | 74-83-9 | < 10 | 10 | 2 |
| 10903 | 2-Butanone | 78-93-3 | < 20 | 20 | 2 |
| 10903 | Carbon Disulfide | 75-15-0 | < 10 | 10 | 2 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 10 | 10 | 2 |
| 10903 | Chlorobenzene | 108-90-7 | < 10 | 10 | 2 |
| 10903 | Chloroethane | 75-00-3 | < 10 | 10 | 2 |
| 10903 | Chloroform | 67-66-3 | < 10 | 10 | 2 |
| 10903 | Chloromethane | 74-87-3 | < 10 | 10 | 2 |
| 10903 | Dibromochloromethane | 124-48-1 | < 10 | 10 | 2 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 110 | 10 | 2 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 10 | 10 | 2 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 690 | 40 | 20 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 10 | 10 | 2 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 10 | 10 | 2 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 10 | 10 | 2 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 10 | 10 | 2 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 10 | 10 | 2 |
| 10903 | 1,4-Dioxane | 123-91-1 | 900 | 500 | 2 |
| 10903 | Ethylbenzene | 100-41-4 | < 10 | 10 | 2 |
| 10903 | 2-Hexanone | 591-78-6 | < 20 | 20 | 2 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 20 | 20 | 2 |
| 10903 | Methylene Chloride | 75-09-2 | < 10 | 10 | 2 |
| 10903 | Styrene | 100-42-5 | < 10 | 10 | 2 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 10 | 10 | 2 |
| 10903 | Tetrachloroethene | 127-18-4 | < 10 | 10 | 2 |
| 10903 | Toluene | 108-88-3 | < 10 | 10 | 2 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 1,400 | 100 | 20 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 10 | 10 | 2 |
| 10903 | Trichloroethene | 79-01-6 | < 10 | 10 | 2 |
| 10903 | Vinyl Chloride | 75-01-4 | < 4 | 4 | 2 |
| 10903 | Xylene (Total) | 1330-20-7 | < 10 | 10 | 2 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/11

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | VOCs TCL 3.2 + 1,4-Dioxane | SW-846 8260B | 1 | Y103342AB | 12/01/2010 11:21 | Nicholas R Rossi | 2 |
| 10903 | VOCs TCL 3.2 + 1,4-Dioxane | SW-846 8260B | 1 | Y103342AB | 12/01/2010 11:41 | Nicholas R Rossi | 20 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y103342AB | 12/01/2010 11:21 | Nicholas R Rossi | 2 |

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# Analysis Report



**Sample Description: MP-1B Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6148581**
**LLI Group # 1222532**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/22/2010 12:32 by TH

Submitted: 11/23/2010 10:00
Reported: 12/07/2010 13:26

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLB1B

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | Y103342AB | 12/01/2010 11:41 | Nicholas R Rossi | 20 |

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# Analysis Report



**Sample Description: MP-2A Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6148582**
**LLI Group # 1222532**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/19/2010 08:45 by TH

Submitted: 11/23/2010 10:00
Reported: 12/07/2010 13:26

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLB2A

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 10 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 81 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | 1,4-Dioxane | 123-91-1 | < 250 | 250 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/11

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | VOCs TCL 3.2 + 1,4-Dioxane | SW-846 8260B | 1 | Y103342AA | 11/30/2010 22:47 | Frank A Valla, Jr | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y103342AA | 11/30/2010 22:47 | Frank A Valla, Jr | 1 |

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# Analysis Report



**Sample Description: MP-2B Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6148583**
**LLI Group # 1222532**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/22/2010 12:20 by TH

Submitted: 11/23/2010 10:00
Reported: 12/07/2010 13:26

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLB2B

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 9 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 88 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | 1,4-Dioxane | 123-91-1 | < 250 | 250 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 13 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/11

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | VOCs TCL 3.2 + 1,4-Dioxane | SW-846 8260B | 1 | Y103342AA | 11/30/2010 23:29 | Frank A Valla, Jr | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y103342AA | 11/30/2010 23:29 | Frank A Valla, Jr | 1 |

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# Analysis Report



**Sample Description: SYSTEM-1 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6148584**
**LLI Group # 1222532**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/19/2010 17:25 by TH

Submitted: 11/23/2010 10:00
Reported: 12/07/2010 13:26

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLBS1

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 140 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 690 | 20 | 10 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | 1,4-Dioxane | 123-91-1 | < 250 | 250 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | 12 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | 11 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 470 | 50 | 10 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | 7 | 5 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/11

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | VOCs TCL 3.2 + 1,4-Dioxane | SW-846 8260B | 1 | Y103342AA | 12/01/2010 00:31 | Frank A Valla, Jr | 1 |
| 10903 | VOCs TCL 3.2 + 1,4-Dioxane | SW-846 8260B | 1 | Y103342AA | 12/01/2010 00:52 | Frank A Valla, Jr | 10 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y103342AA | 12/01/2010 00:31 | Frank A Valla, Jr | 1 |

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# Analysis Report



**Sample Description: SYSTEM-1 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6148584**
**LLI Group # 1222532**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/19/2010 17:25 by TH

Submitted: 11/23/2010 10:00
Reported: 12/07/2010 13:26

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLBS1

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | Y103342AA | 12/01/2010 00:52 | Frank A Valla, Jr | 10 |

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# Analysis Report



**Sample Description: SYSTEM-2 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6148585**
**LLI Group # 1222532**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/20/2010 17:38 by TH

Submitted: 11/23/2010 10:00
Reported: 12/07/2010 13:26

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLBS2

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 76 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 290 | 20 | 10 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | 1,4-Dioxane | 123-91-1 | < 250 | 250 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | 8 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | 18 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 430 | 50 | 10 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/11

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | VOCs TCL 3.2 + 1,4-Dioxane | SW-846 8260B | 1 | Y103342AA | 11/30/2010 23:50 | Frank A Valla, Jr | 1 |
| 10903 | VOCs TCL 3.2 + 1,4-Dioxane | SW-846 8260B | 1 | Y103342AB | 12/01/2010 12:02 | Nicholas R Rossi | 10 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y103342AA | 11/30/2010 23:50 | Frank A Valla, Jr | 1 |

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# Analysis Report



**Sample Description: SYSTEM-2 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6148585**
**LLI Group # 1222532**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/20/2010 17:38 by TH

Submitted: 11/23/2010 10:00
Reported: 12/07/2010 13:26

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLBS2

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | Y103342AB | 12/01/2010 12:02 | Nicholas R Rossi | 10 |

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# Analysis Report



**Sample Description: SYSTEM-3 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6148586**
**LLI Group # 1222532**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/21/2010 20:54 by TH

Submitted: 11/23/2010 10:00
Reported: 12/07/2010 13:26

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLBS3

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | 41 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | 170 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | 1,4-Dioxane | 123-91-1 | < 250 | 250 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | 19 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | 320 | 50 | 10 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |
| **Metals** | **SW-846 6010B** | | **mg/l** | **mg/l** | |
| 01750 | Calcium | 7440-70-2 | 1.89 | 0.200 | 1 |
| 01754 | Iron | 7439-89-6 | 0.367 | 0.200 | 1 |
| 07058 | Manganese | 7439-96-5 | 1.17 | 0.0050 | 1 |
| **Wet Chemistry** | **EPA 300.0** | | **mg/l** | **mg/l** | |
| 00224 | Chloride | 16887-00-6 | 7.0 | 4.0 | 10 |
| | **SM20 2320 B** | | **mg/l as CaCO3** | **mg/l as CaCO3** | |
| 00202 | Alkalinity to pH 4.5 | n.a. | 8.1 | 2.0 | 1 |
| 00201 | Alkalinity to pH 8.3 | n.a. | < 2.0 | 2.0 | 1 |
| | **SM20 2340 C** | | **mg/l as CaCO3** | **mg/l as CaCO3** | |
| 00216 | Total Hardness | 471-34-1 | 13.6 | 2.0 | 1 |

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# Analysis Report



**Sample Description: SYSTEM-3 Grab Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6148586**
**LLI Group # 1222532**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/21/2010 20:54 by TH

Submitted: 11/23/2010 10:00
Reported: 12/07/2010 13:26

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLBS3

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **Wet Chemistry** | **SM20 2540 C** | | **mg/l** | **mg/l** | |
| 00212 | Total Dissolved Solids | n.a. | 33.5 | 30.0 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/11

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | VOCs TCL 3.2 + 1,4-Dioxane | SW-846 8260B | 1 | Y103342AA | 12/01/2010 00:11 | Frank A Valla, Jr | 1 |
| 10903 | VOCs TCL 3.2 + 1,4-Dioxane | SW-846 8260B | 1 | Y103342AB | 12/01/2010 12:23 | Nicholas R Rossi | 10 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y103342AA | 12/01/2010 00:11 | Frank A Valla, Jr | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | Y103342AB | 12/01/2010 12:23 | Nicholas R Rossi | 10 |
| 01750 | Calcium | SW-846 6010B | 1 | 103281848002 | 11/29/2010 03:51 | Tara L Snyder | 1 |
| 01754 | Iron | SW-846 6010B | 1 | 103281848002 | 11/29/2010 03:51 | Tara L Snyder | 1 |
| 07058 | Manganese | SW-846 6010B | 1 | 103281848002 | 11/29/2010 03:51 | Tara L Snyder | 1 |
| 01848 | WW SW846 ICP Digest (tot rec) | SW-846 3005A | 1 | 103281848002 | 11/28/2010 10:41 | James L Mertz | 1 |
| 00224 | Chloride | EPA 300.0 | 1 | 10333196902B | 11/30/2010 18:49 | Ashley M Adams | 10 |
| 00202 | Alkalinity to pH 4.5 | SM20 2320 B | 1 | 10328020202B | 11/24/2010 11:39 | Susan A Engle | 1 |
| 00201 | Alkalinity to pH 8.3 | SM20 2320 B | 1 | 10328020202B | 11/24/2010 11:39 | Susan A Engle | 1 |
| 00216 | Total Hardness | SM20 2340 C | 1 | 10331021601B | 11/27/2010 11:15 | Susan A Engle | 1 |
| 00212 | Total Dissolved Solids | SM20 2540 C | 1 | 10328021203A | 11/24/2010 10:33 | Yolunder Y Bunch | 1 |

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# Analysis Report



**Sample Description: TRIP BLANK Water**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # WW 6148587**
**LLI Group # 1222532**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/19/2010

Submitted: 11/23/2010 10:00
Reported: 12/07/2010 13:26

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

FLBTB

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Limit of Quantitation | Dilution Factor |
|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260B** | | **ug/l** | **ug/l** | |
| 10903 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10903 | Benzene | 71-43-2 | < 5 | 5 | 1 |
| 10903 | Bromodichloromethane | 75-27-4 | < 5 | 5 | 1 |
| 10903 | Bromoform | 75-25-2 | < 5 | 5 | 1 |
| 10903 | Bromomethane | 74-83-9 | < 5 | 5 | 1 |
| 10903 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10903 | Carbon Disulfide | 75-15-0 | < 5 | 5 | 1 |
| 10903 | Carbon Tetrachloride | 56-23-5 | < 5 | 5 | 1 |
| 10903 | Chlorobenzene | 108-90-7 | < 5 | 5 | 1 |
| 10903 | Chloroethane | 75-00-3 | < 5 | 5 | 1 |
| 10903 | Chloroform | 67-66-3 | < 5 | 5 | 1 |
| 10903 | Chloromethane | 74-87-3 | < 5 | 5 | 1 |
| 10903 | Dibromochloromethane | 124-48-1 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethane | 75-34-3 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloroethane | 107-06-2 | < 5 | 5 | 1 |
| 10903 | 1,1-Dichloroethene | 75-35-4 | < 2 | 2 | 1 |
| 10903 | cis-1,2-Dichloroethene | 156-59-2 | < 5 | 5 | 1 |
| 10903 | trans-1,2-Dichloroethene | 156-60-5 | < 5 | 5 | 1 |
| 10903 | 1,2-Dichloropropane | 78-87-5 | < 5 | 5 | 1 |
| 10903 | cis-1,3-Dichloropropene | 10061-01-5 | < 5 | 5 | 1 |
| 10903 | trans-1,3-Dichloropropene | 10061-02-6 | < 5 | 5 | 1 |
| 10903 | 1,4-Dioxane | 123-91-1 | < 250 | 250 | 1 |
| 10903 | Ethylbenzene | 100-41-4 | < 5 | 5 | 1 |
| 10903 | 2-Hexanone | 591-78-6 | < 10 | 10 | 1 |
| 10903 | 4-Methyl-2-pentanone | 108-10-1 | < 10 | 10 | 1 |
| 10903 | Methylene Chloride | 75-09-2 | < 5 | 5 | 1 |
| 10903 | Styrene | 100-42-5 | < 5 | 5 | 1 |
| 10903 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 5 | 5 | 1 |
| 10903 | Tetrachloroethene | 127-18-4 | < 5 | 5 | 1 |
| 10903 | Toluene | 108-88-3 | < 5 | 5 | 1 |
| 10903 | 1,1,1-Trichloroethane | 71-55-6 | < 5 | 5 | 1 |
| 10903 | 1,1,2-Trichloroethane | 79-00-5 | < 5 | 5 | 1 |
| 10903 | Trichloroethene | 79-01-6 | < 5 | 5 | 1 |
| 10903 | Vinyl Chloride | 75-01-4 | < 2 | 2 | 1 |
| 10903 | Xylene (Total) | 1330-20-7 | < 5 | 5 | 1 |

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/11

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 10903 | VOCs TCL 3.2 + 1,4-Dioxane | SW-846 8260B | 1 | Y103342AA | 11/30/2010 22:04 | Frank A Valla, Jr | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y103342AA | 11/30/2010 22:04 | Frank A Valla, Jr | 1 |

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# Analysis Report



## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1222532
Reported: 12/07/10 at 01:26 PM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

## Laboratory Compliance Quality Control

| Analysis Name | Blank Result | Blank LOQ | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: Y103342AA | Sample number(s): 6148580,6148582-6148587 | | | | | | | |
| Acetone | < 20 | 20. | ug/l | 111 | 111 | 49-234 | 0 | 30 |
| Benzene | < 5 | 5. | ug/l | 95 | 94 | 79-120 | 2 | 30 |
| Bromodichloromethane | < 5 | 5. | ug/l | 91 | 90 | 80-120 | 0 | 30 |
| Bromoform | < 5 | 5. | ug/l | 91 | 89 | 61-120 | 3 | 30 |
| Bromomethane | < 5 | 5. | ug/l | 91 | 89 | 44-120 | 2 | 30 |
| 2-Butanone | < 10 | 10. | ug/l | 103 | 104 | 66-151 | 1 | 30 |
| Carbon Disulfide | < 5 | 5. | ug/l | 109 | 103 | 62-120 | 6 | 30 |
| Carbon Tetrachloride | < 5 | 5. | ug/l | 97 | 98 | 75-123 | 1 | 30 |
| Chlorobenzene | < 5 | 5. | ug/l | 92 | 93 | 80-120 | 1 | 30 |
| Chloroethane | < 5 | 5. | ug/l | 90 | 81 | 49-129 | 11 | 30 |
| Chloroform | < 5 | 5. | ug/l | 97 | 96 | 77-122 | 2 | 30 |
| Chloromethane | < 5 | 5. | ug/l | 79 | 76 | 60-129 | 3 | 30 |
| Dibromochloromethane | < 5 | 5. | ug/l | 92 | 92 | 80-120 | 0 | 30 |
| 1,1-Dichloroethane | < 5 | 5. | ug/l | 99 | 99 | 79-120 | 1 | 30 |
| 1,2-Dichloroethane | < 5 | 5. | ug/l | 97 | 95 | 70-130 | 2 | 30 |
| 1,1-Dichloroethene | < 2 | 2. | ug/l | 105 | 99 | 74-123 | 6 | 30 |
| cis-1,2-Dichloroethene | < 5 | 5. | ug/l | 96 | 95 | 80-120 | 2 | 30 |
| trans-1,2-Dichloroethene | < 5 | 5. | ug/l | 97 | 96 | 80-120 | 1 | 30 |
| 1,2-Dichloropropane | < 5 | 5. | ug/l | 93 | 92 | 78-120 | 1 | 30 |
| cis-1,3-Dichloropropene | < 5 | 5. | ug/l | 88 | 88 | 80-120 | 0 | 30 |
| trans-1,3-Dichloropropene | < 5 | 5. | ug/l | 92 | 92 | 79-120 | 0 | 30 |
| 1,4-Dioxane | < 250 | 250. | ug/l | 105 | 98 | 51-129 | 7 | 30 |
| Ethylbenzene | < 5 | 5. | ug/l | 97 | 96 | 79-120 | 0 | 30 |
| 2-Hexanone | < 10 | 10. | ug/l | 107 | 106 | 65-136 | 1 | 30 |
| 4-Methyl-2-pentanone | < 10 | 10. | ug/l | 103 | 101 | 70-121 | 2 | 30 |
| Methylene Chloride | < 5 | 5. | ug/l | 100 | 95 | 80-120 | 4 | 30 |
| Styrene | < 5 | 5. | ug/l | 95 | 94 | 80-120 | 1 | 30 |
| 1,1,2,2-Tetrachloroethane | < 5 | 5. | ug/l | 109 | 108 | 71-120 | 1 | 30 |
| Tetrachloroethene | < 5 | 5. | ug/l | 96 | 93 | 80-121 | 3 | 30 |
| Toluene | < 5 | 5. | ug/l | 97 | 97 | 79-120 | 0 | 30 |
| 1,1,1-Trichloroethane | < 5 | 5. | ug/l | 96 | 93 | 75-127 | 3 | 30 |
| 1,1,2-Trichloroethane | < 5 | 5. | ug/l | 98 | 97 | 80-120 | 0 | 30 |
| Trichloroethene | < 5 | 5. | ug/l | 91 | 93 | 80-120 | 1 | 30 |
| Vinyl Chloride | < 2 | 2. | ug/l | 77 | 76 | 65-125 | 1 | 30 |
| Xylene (Total) | < 5 | 5. | ug/l | 91 | 91 | 80-120 | 0 | 30 |
| Batch number: Y103342AB | Sample number(s): 6148581,6148585-6148586 | | | | | | | |
| Acetone | < 20 | 20. | ug/l | 136 | 133 | 49-234 | 2 | 30 |
| Benzene | < 5 | 5. | ug/l | 94 | 93 | 79-120 | 1 | 30 |
| Bromodichloromethane | < 5 | 5. | ug/l | 90 | 89 | 80-120 | 0 | 30 |
| Bromoform | < 5 | 5. | ug/l | 93 | 90 | 61-120 | 3 | 30 |
| Bromomethane | < 5 | 5. | ug/l | 100 | 97 | 44-120 | 3 | 30 |
| 2-Butanone | < 10 | 10. | ug/l | 106 | 105 | 66-151 | 1 | 30 |
| Carbon Disulfide | < 5 | 5. | ug/l | 100 | 98 | 62-120 | 2 | 30 |
| Carbon Tetrachloride | < 5 | 5. | ug/l | 92 | 93 | 75-123 | 1 | 30 |
| Chlorobenzene | < 5 | 5. | ug/l | 94 | 92 | 80-120 | 2 | 30 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1222532
Reported: 12/07/10 at 01:26 PM

| Analysis Name | Blank Result | Blank LOQ | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Chloroethane | < 5 | 5. | ug/l | 92 | 90 | 49-129 | 3 | 30 |
| Chloroform | < 5 | 5. | ug/l | 97 | 96 | 77-122 | 2 | 30 |
| Chloromethane | < 5 | 5. | ug/l | 87 | 87 | 60-129 | 1 | 30 |
| Dibromochloromethane | < 5 | 5. | ug/l | 93 | 91 | 80-120 | 2 | 30 |
| 1,1-Dichloroethane | < 5 | 5. | ug/l | 97 | 98 | 79-120 | 1 | 30 |
| 1,2-Dichloroethane | < 5 | 5. | ug/l | 97 | 95 | 70-130 | 1 | 30 |
| 1,1-Dichloroethene | < 2 | 2. | ug/l | 94 | 93 | 74-123 | 1 | 30 |
| cis-1,2-Dichloroethene | < 5 | 5. | ug/l | 95 | 96 | 80-120 | 2 | 30 |
| trans-1,2-Dichloroethene | < 5 | 5. | ug/l | 95 | 95 | 80-120 | 0 | 30 |
| 1,2-Dichloropropane | < 5 | 5. | ug/l | 93 | 94 | 78-120 | 1 | 30 |
| cis-1,3-Dichloropropene | < 5 | 5. | ug/l | 87 | 86 | 80-120 | 0 | 30 |
| trans-1,3-Dichloropropene | < 5 | 5. | ug/l | 93 | 91 | 79-120 | 2 | 30 |
| 1,4-Dioxane | < 250 | 250. | ug/l | 90 | 98 | 51-129 | 8 | 30 |
| Ethylbenzene | < 5 | 5. | ug/l | 96 | 94 | 79-120 | 2 | 30 |
| 2-Hexanone | < 10 | 10. | ug/l | 109 | 107 | 65-136 | 2 | 30 |
| 4-Methyl-2-pentanone | < 10 | 10. | ug/l | 105 | 103 | 70-121 | 2 | 30 |
| Methylene Chloride | < 5 | 5. | ug/l | 97 | 94 | 80-120 | 3 | 30 |
| Styrene | < 5 | 5. | ug/l | 95 | 93 | 80-120 | 2 | 30 |
| 1,1,2,2-Tetrachloroethane | < 5 | 5. | ug/l | 110 | 108 | 71-120 | 2 | 30 |
| Tetrachloroethene | < 5 | 5. | ug/l | 91 | 92 | 80-121 | 1 | 30 |
| Toluene | < 5 | 5. | ug/l | 98 | 96 | 79-120 | 2 | 30 |
| 1,1,1-Trichloroethane | < 5 | 5. | ug/l | 96 | 95 | 75-127 | 2 | 30 |
| 1,1,2-Trichloroethane | < 5 | 5. | ug/l | 98 | 97 | 80-120 | 1 | 30 |
| Trichloroethene | < 5 | 5. | ug/l | 92 | 90 | 80-120 | 1 | 30 |
| Vinyl Chloride | < 2 | 2. | ug/l | 78 | 78 | 65-125 | 0 | 30 |
| Xylene (Total) | < 5 | 5. | ug/l | 92 | 90 | 80-120 | 2 | 30 |
| Batch number: 103281848002 | Sample number(s): 6148586 | | | | | | | |
| Calcium | < 0.200 | 0.200 | mg/l | 98 | | 90-112 | | |
| Iron | < 0.200 | 0.200 | mg/l | 103 | | 90-112 | | |
| Manganese | < 0.0050 | 0.0050 | mg/l | 103 | | 90-110 | | |
| Batch number: 10333196902B | Sample number(s): 6148586 | | | | | | | |
| Chloride | < 0.40 | 0.40 | mg/l | 99 | | 90-110 | | |
| Batch number: 10328020202B | Sample number(s): 6148586 | | | | | | | |
| Alkalinity to pH 4.5 | < 2.0 | 2.0 | mg/l as CaCO3 | 99 | | 98-103 | | |
| Batch number: 10328021203A | Sample number(s): 6148586 | | | | | | | |
| Total Dissolved Solids | < 30.0 | 30.0 | mg/l | 98 | | 80-120 | | |
| Batch number: 10331021601B | Sample number(s): 6148586 | | | | | | | |
| Total Hardness | < 2.0 | 2.0 | mg/l as CaCO3 | 100 | | 98-105 | | |

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| Batch number: Y103342AA | Sample number(s): 6148580,6148582-6148587 UNSPK: 6148582 | | | | | | | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1222532
Reported: 12/07/10 at 01:26 PM

### Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | 126 | | 52-139 | | | | | | |
| Benzene | 100 | | 80-126 | | | | | | |
| Bromodichloromethane | 91 | | 78-125 | | | | | | |
| Bromoform | 86 | | 60-121 | | | | | | |
| Bromomethane | 97 | | 38-149 | | | | | | |
| 2-Butanone | 100 | | 57-138 | | | | | | |
| Carbon Disulfide | 99 | | 67-135 | | | | | | |
| Carbon Tetrachloride | 105 | | 81-138 | | | | | | |
| Chlorobenzene | 97 | | 87-124 | | | | | | |
| Chloroethane | 87 | | 51-145 | | | | | | |
| Chloroform | 101 | | 81-134 | | | | | | |
| Chloromethane | 82 | | 67-154 | | | | | | |
| Dibromochloromethane | 89 | | 74-116 | | | | | | |
| 1,1-Dichloroethane | 104 | | 84-129 | | | | | | |
| 1,2-Dichloroethane | 98 | | 66-141 | | | | | | |
| 1,1-Dichloroethene | 118 (2) | | 85-142 | | | | | | |
| cis-1,2-Dichloroethene | 101 | | 85-125 | | | | | | |
| trans-1,2-Dichloroethene | 102 | | 87-126 | | | | | | |
| 1,2-Dichloropropane | 98 | | 83-124 | | | | | | |
| cis-1,3-Dichloropropene | 86 | | 75-125 | | | | | | |
| trans-1,3-Dichloropropene | 89 | | 74-119 | | | | | | |
| 1,4-Dioxane | 103 | | 43-131 | | | | | | |
| Ethylbenzene | 101 | | 71-134 | | | | | | |
| 2-Hexanone | 102 | | 55-127 | | | | | | |
| 4-Methyl-2-pentanone | 101 | | 63-123 | | | | | | |
| Methylene Chloride | 101 | | 79-120 | | | | | | |
| Styrene | 57* | | 78-125 | | | | | | |
| 1,1,2,2-Tetrachloroethane | 108 | | 73-119 | | | | | | |
| Tetrachloroethene | 99 | | 80-128 | | | | | | |
| Toluene | 103 | | 80-125 | | | | | | |
| 1,1,1-Trichloroethane | 100 | | 80-143 | | | | | | |
| 1,1,2-Trichloroethane | 98 | | 77-124 | | | | | | |
| Trichloroethene | 98 | | 88-133 | | | | | | |
| Vinyl Chloride | 85 | | 66-133 | | | | | | |
| Xylene (Total) | 96 | | 79-125 | | | | | | |
| Batch number: Y103342AB | Sample number(s): 6148581,6148585-6148586 UNSPK: 6148582 | | | | | | | | |
| Acetone | 126 | | 52-139 | | | | | | |
| Benzene | 100 | | 80-126 | | | | | | |
| Bromodichloromethane | 91 | | 78-125 | | | | | | |
| Bromoform | 86 | | 60-121 | | | | | | |
| Bromomethane | 97 | | 38-149 | | | | | | |
| 2-Butanone | 100 | | 57-138 | | | | | | |
| Carbon Disulfide | 99 | | 67-135 | | | | | | |
| Carbon Tetrachloride | 105 | | 81-138 | | | | | | |
| Chlorobenzene | 97 | | 87-124 | | | | | | |
| Chloroethane | 87 | | 51-145 | | | | | | |
| Chloroform | 101 | | 81-134 | | | | | | |
| Chloromethane | 82 | | 67-154 | | | | | | |
| Dibromochloromethane | 89 | | 74-116 | | | | | | |
| 1,1-Dichloroethane | 104 | | 84-129 | | | | | | |
| 1,2-Dichloroethane | 98 | | 66-141 | | | | | | |
| 1,1-Dichloroethene | 118 (2) | | 85-142 | | | | | | |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1222532
Reported: 12/07/10 at 01:26 PM

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethene | 101 | | 85-125 | | | | | | |
| trans-1,2-Dichloroethene | 102 | | 87-126 | | | | | | |
| 1,2-Dichloropropane | 98 | | 83-124 | | | | | | |
| cis-1,3-Dichloropropene | 86 | | 75-125 | | | | | | |
| trans-1,3-Dichloropropene | 89 | | 74-119 | | | | | | |
| 1,4-Dioxane | 103 | | 43-131 | | | | | | |
| Ethylbenzene | 101 | | 71-134 | | | | | | |
| 2-Hexanone | 102 | | 55-127 | | | | | | |
| 4-Methyl-2-pentanone | 101 | | 63-123 | | | | | | |
| Methylene Chloride | 101 | | 79-120 | | | | | | |
| Styrene | 57* | | 78-125 | | | | | | |
| 1,1,2,2-Tetrachloroethane | 108 | | 73-119 | | | | | | |
| Tetrachloroethene | 99 | | 80-128 | | | | | | |
| Toluene | 103 | | 80-125 | | | | | | |
| 1,1,1-Trichloroethane | 100 | | 80-143 | | | | | | |
| 1,1,2-Trichloroethane | 98 | | 77-124 | | | | | | |
| Trichloroethene | 98 | | 88-133 | | | | | | |
| Vinyl Chloride | 85 | | 66-133 | | | | | | |
| Xylene (Total) | 96 | | 79-125 | | | | | | |
| Batch number: 103281848002 | Sample number(s): 6148586 UNSPK: P149167 BKG: P149167 | | | | | | | | |
| Calcium | 86 (2) | 85 (2) | 75-125 | 0 | 20 | 47.3 | 48.7 | 3 | 20 |
| Iron | 819 (2) | 350 (2) | 75-125 | 1 | 20 | 320 | 333 | 4 | 20 |
| Manganese | 79 (2) | 71 (2) | 75-125 | 1 | 20 | 3.76 | 3.80 | 1 | 20 |
| Batch number: 10333196902B | Sample number(s): 6148586 UNSPK: P148274 BKG: P148274 | | | | | | | | |
| Chloride | 106 | | 90-110 | | | 9,820 | 9,820 | 0 (1) | 20 |
| Batch number: 10328020202B | Sample number(s): 6148586 UNSPK: P142755 BKG: P144502 | | | | | | | | |
| Alkalinity to pH 4.5 | 100 | | 73-121 | | | 146 | 146 | 1 | 5 |
| Alkalinity to pH 8.3 | | | | | | < 2.0 | < 2.0 | 0 (1) | 5 |
| Batch number: 10328021203A | Sample number(s): 6148586 UNSPK: P147415 BKG: P147310 | | | | | | | | |
| Total Dissolved Solids | 97 | | 62-135 | | | 1,570 | 1,660 | 5 | 9 |
| Batch number: 10331021601B | Sample number(s): 6148586 UNSPK: P149343 BKG: P149343 | | | | | | | | |
| Total Hardness | 101 | | 92-109 | | | 84.3 | 85.7 | 2 | 5 |

## Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: VOCs TCL 3.2 + 1,4-Dioxane
Batch number: Y103342AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| 6148580 | 109 | 98 | 104 | 98 |
| 6148582 | 100 | 98 | 104 | 99 |
| 6148583 | 99 | 99 | 104 | 100 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1222532
Reported: 12/07/10 at 01:26 PM

## Surrogate Quality Control

| | | | | |
|---|---|---|---|---|
| 6148584 | 110 | 98 | 104 | 102 |
| 6148585 | 108 | 98 | 103 | 101 |
| 6148586 | 108 | 99 | 103 | 101 |
| 6148587 | 99 | 96 | 105 | 100 |
| Blank | 100 | 99 | 104 | 101 |
| LCS | 99 | 98 | 104 | 103 |
| LCSD | 99 | 99 | 105 | 103 |
| MS | 99 | 96 | 103 | 102 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

Analysis Name: VOCs TCL 3.2 + 1,4-Dioxane
Batch number: Y103342AB

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| 6148581 | 108 | 97 | 104 | 100 |
| Blank | 100 | 99 | 104 | 99 |
| LCS | 99 | 98 | 106 | 104 |
| LCSD | 99 | 99 | 104 | 103 |
| MS | 99 | 96 | 103 | 102 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 6556 Group# 1222532 Sample # 6148580-87

**COC # 245288**

Please print. Instructions on reverse side correspond with circled numbers.

**For Lab Use Only**
FSC:
SCR#: 98689

(1) Client: THE JOHNSON CO. Acct. #:
Project Name/#: FLOWERY BRANCH PWSID #:
Project Manager: GLEN KIRKPATRICK P.O.#:
Sampler: TODD HALL Quote #:
Name of state where samples were collected: GA

**Preservation Codes**
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

(6) Temperature of samples upon receipt (if requested)

| (2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | (4) Matrix: Soil | Water | Other | Total # of Containers | (5) Analyses Requested / Preservation Codes: H | N | N | | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Potable / NPDES (Check if Applicable) | | | | VOCs (8260) | TOTAL HARDNESS | Ca, Fe, Mn | TDS | ALKALINITY | CHLORIDE | | | |
| MP-1A | 11/19/10 | 0816 | X | | | X | | 3 | X | | | | | | | | |
| MP-1B | 11/22/10 | 1232 | X | | | X | | 3 | X | | | | | | | | |
| MP-2A | 11/19/10 | 0845 | X | | | X | | 3 | X | | | | | | | | |
| MP-2B | 11/22/10 | 1220 | X | | | X | | 3 | X | | | | | | | | |
| SYSTEM-1 | 11/19/10 | 1725 | X | | | X | | 3 | X | | | | | | | | |
| SYSTEM-2 | 11/20/10 | 1738 | X | | | X | | 3 | X | | | | | | | | |
| SYSTEM-3 | 11/21/10 | 2054 | X | | | X | | 9 | X | X | X | X | X | X | | | |
| TRIP BLANK | N/A | N/A | X | | | X | | 2 | X | | | | | | | | |

(7) **Turnaround Time Requested** (TAT) (please circle): (Normal) Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone Fax E-mail
Phone #: Fax #:
E-mail address: thall@jcomail.com

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg)
Type II (Tier II)
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)
TX TRRP-13
MA MCP CT RCP
SDG Complete? Yes No
Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No

| Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|
| [signature] | 11/18/10 | 1400 | | | |
| [signature] | 11/22/10 | 1440 | | | |
| | | | | | |
| | | | | | |
| | | | [signature] | 11/23/10 | 1000 |

(9)

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300 Fax: (717) 656-6766
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

Issued by Dept. 6042 Management
2102.05

Lancaster Laboratories

# Environmental Sample Administration
# Receipt Documentation Log

**Client/Project:** The Johnson Company

**Date of Receipt:** 11/23/10

**Time of Receipt:** 1000

**Source Code:** So-1

**Unpacker Emp. No.:** 2308

**Shipping Container Sealed:** (YES) NO

**Custody Seal Present * :** (YES) NO

* Custody seal was intact unless otherwise noted in the discrepancy section

**Package:** (Chilled) Not Chilled

| Temperature of Shipping Containers | | | | | | | |
|---|---|---|---|---|---|---|---|
| Cooler # | Thermometer ID | Temperature (°C) | Temp Bottle (TB) or Surface Temp (ST) | Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP) | Ice Present? Y/N | Loose (L) Bagged Ice (B) or NA | Comments |
| 1 | 0429951 | 0.9°c | TB | WI | Y | B | |
| 2 | ↓ | 1.5°c | ↓ | ↓ | ↓ | ↓ | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |

**Number of Trip Blanks received NOT listed on chain of custody:** 0

**Paperwork Discrepancy/Unpacking Problems:**

COC # 245288 : trip blank date = 11/22/10

| Sample Administration Internal Chain of Custody | | | |
|---|---|---|---|
| Name | Date | Time | Reason for Transfer |
| [illegible] | 11/23/10 | 1315 | Unpacking to storage |
| Tammy Helal | 11/23/10 | 1332 | Place in Storage or (Entry) |
| | | | Entry |
| | | | Entry |

# Explanation of Symbols and Abbreviations

*The following defines common symbols and abbreviations used in reporting technical data:*

| | | | |
|---|---|---|---|
| **RL** | Reporting Limit | **BMQL** | Below Minimum Quantitation Level |
| **N.D.** | none detected | **MPN** | Most Probable Number |
| **TNTC** | Too Numerous To Count | **CP Units** | cobalt-chloroplatinate units |
| **IU** | International Units | **NTU** | nephelometric turbidity units |
| **umhos/cm** | micromhos/cm | **ng** | nanogram(s) |
| **C** | degrees Celsius | **F** | degrees Fahrenheit |
| **meq** | milliequivalents | **lb.** | pound(s) |
| **g** | gram(s) | **kg** | kilogram(s) |
| **ug** | microgram(s) | **mg** | milligram(s) |
| **ml** | milliliter(s) | **l** | liter(s) |
| **m3** | cubic meter(s) | **ul** | microliter(s) |

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**J** estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

*U.S. EPA CLP Data Qualifiers:*

**Organic Qualifiers**

| | |
|---|---|
| **A** | TIC is a possible aldol-condensation product |
| **B** | Analyte was also detected in the blank |
| **C** | Pesticide result confirmed by GC/MS |
| **D** | Compound quantitated on a diluted sample |
| **E** | Concentration exceeds the calibration range of the instrument |
| **N** | Presumptive evidence of a compound (TICs only) |
| **P** | Concentration difference between primary and confirmation columns >25% |
| **U** | Compound was not detected |
| **X,Y,Z** | Defined in case narrative |

**Inorganic Qualifiers**

| | |
|---|---|
| **B** | Value is <CRDL, but ≥IDL |
| **E** | Estimated due to interference |
| **M** | Duplicate injection precision not met |
| **N** | Spike sample not within control limits |
| **S** | Method of standard additions (MSA) used for calculation |
| **U** | Compound was not detected |
| **W** | Post digestion spike out of control limits |
| ***** | Duplicate analysis not within control limits |
| **+** | Correlation coefficient for MSA <0.995 |

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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# Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

December 04, 2010

Project: Avery Dennison / Flowery Branch, GA

Submittal Date: 11/24/2010
Group Number: 1222717
PO Number: 1-0145-4
State of Sample Origin: GA

| Client Sample Description | Lancaster Labs (LLI) # |
|---|---|
| System #1 Summa 1036 Grab Air | 6149465 |
| System #2 Summa 1038 Grab Air | 6149466 |
| System #3 Summa 884 Grab Air | 6149467 |

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO The Johnson Company, Inc. Attn: Glen Kirkpatrick

Questions? Contact your Client Services Representative
Wendy A Kozma at (717) 656-2300 Ext. 1522

Respectfully Submitted,

Chad A. Moline
Group Leader

Lancaster Laboratories

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# Analysis Report

Lancaster Laboratories

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# Analysis Report



**Sample Description: System #1 Summa 1036 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6149465**
**LLI Group # 1222717**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/19/2010 17:14 by JB

Submitted: 11/24/2010 09:50
Reported: 12/04/2010 09:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | N.D. | | 25 | N.D. | | 59 | 50 |
| 05298 | Benzene | 71-43-2 | 36 | J | 10 | 120 | J | 32 | 50 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 10 | N.D. | | 64 | 50 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 10 | N.D. | | 67 | 50 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 10 | N.D. | | 100 | 50 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 10 | N.D. | | 39 | 50 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 25 | N.D. | | 55 | 50 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 25 | N.D. | | 74 | 50 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 10 | N.D. | | 31 | 50 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 10 | N.D. | | 63 | 50 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 10 | N.D. | | 46 | 50 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 10 | N.D. | | 35 | 50 |
| 05298 | Chloroethane | 75-00-3 | 39 | J | 10 | 100 | J | 26 | 50 |
| 05298 | Chloroform | 67-66-3 | 15 | J | 10 | 74 | J | 49 | 50 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 10 | N.D. | | 21 | 50 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 10 | N.D. | | 31 | 50 |
| 05298 | Cumene | 98-82-8 | N.D. | | 10 | N.D. | | 49 | 50 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 10 | N.D. | | 85 | 50 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 10 | N.D. | | 77 | 50 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 10 | N.D. | | 71 | 50 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 10 | N.D. | | 60 | 50 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 10 | N.D. | | 60 | 50 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 10 | N.D. | | 60 | 50 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 10 | N.D. | | 49 | 50 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 12,000 | | 1,000 | 47,000 | | 4,000 | 5000 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 84 | | 10 | 340 | | 40 | 50 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 450,000 | | 10,000 | 1,800,000 | | 40,000 | 50000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 10 | N.D. | | 40 | 50 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 10 | N.D. | | 40 | 50 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 10 | N.D. | | 42 | 50 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 10 | N.D. | | 46 | 50 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 10 | N.D. | | 45 | 50 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 10 | N.D. | | 45 | 50 |
| 05298 | Ethylbenzene | 100-41-4 | 13 | J | 10 | 57 | J | 43 | 50 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 10 | N.D. | | 49 | 50 |
| 05298 | Freon 113 | 76-13-1 | 170 | | 25 | 1,300 | | 190 | 50 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 10 | N.D. | | 70 | 50 |
| 05298 | Heptane | 142-82-5 | N.D. | | 10 | N.D. | | 41 | 50 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 10 | N.D. | | 97 | 50 |
| 05298 | Hexane | 110-54-3 | N.D. | | 10 | N.D. | | 35 | 50 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 25 | N.D. | | 100 | 50 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 10 | N.D. | | 47 | 50 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 10 | N.D. | | 36 | 50 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 25 | N.D. | | 100 | 50 |
| 05298 | Methylene Chloride | 75-09-2 | 540 | | 10 | 1,900 | | 35 | 50 |
| 05298 | Octane | 111-65-9 | N.D. | | 10 | N.D. | | 47 | 50 |
| 05298 | Pentane | 109-66-0 | 15 | J | 10 | 45 | J | 30 | 50 |
| 05298 | Styrene | 100-42-5 | N.D. | | 10 | N.D. | | 43 | 50 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 10 | N.D. | | 69 | 50 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 10 | N.D. | | 69 | 50 |
| 05298 | Tetrachloroethene | 127-18-4 | 70 | | 10 | 470 | | 68 | 50 |
| 05298 | Toluene | 108-88-3 | 1,200 | | 10 | 4,400 | | 38 | 50 |

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# Analysis Report



**Sample Description: System #1 Summa 1036 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6149465**
**LLI Group # 1222717**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/19/2010 17:14 by JB

Submitted: 11/24/2010 09:50
Reported: 12/04/2010 09:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 130,000 | | 1,000 | 720,000 | | 5,500 | 5000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | 11 | J | 10 | 62 | J | 55 | 50 |
| 05298 | Trichloroethene | 79-01-6 | 150 | | 10 | 830 | | 54 | 50 |
| 05298 | Trichlorofluoromethane | 75-69-4 | 12 | J | 10 | 67 | J | 56 | 50 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 10 | N.D. | | 60 | 50 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 10 | N.D. | | 49 | 50 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 10 | N.D. | | 49 | 50 |
| 05298 | Vinyl Chloride | 75-01-4 | 180 | | 10 | 450 | | 26 | 50 |
| 05298 | m/p-Xylene | 179601-23-1 | 560 | | 10 | 2,400 | | 43 | 50 |
| 05298 | o-Xylene | 95-47-6 | 35 | J | 10 | 150 | J | 43 | 50 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/11

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1033430AA | 12/01/2010 02:15 | Michael A Ziegler | 50 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1033430AB | 12/02/2010 03:05 | Michael A Ziegler | 5000 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1033430AC | 12/02/2010 18:19 | Michael A Ziegler | 50000 |

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# Analysis Report



**Sample Description: System #2 Summa 1038 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6149466**
**LLI Group # 1222717**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/20/2010 17:38 by JB

Submitted: 11/24/2010 09:50
Reported: 12/04/2010 09:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | N.D. | | 25 | N.D. | | 59 | 50 |
| 05298 | Benzene | 71-43-2 | 19 | J | 10 | 60 | J | 32 | 50 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 10 | N.D. | | 64 | 50 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 10 | N.D. | | 67 | 50 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 10 | N.D. | | 100 | 50 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 10 | N.D. | | 39 | 50 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 25 | N.D. | | 55 | 50 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 25 | N.D. | | 74 | 50 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 10 | N.D. | | 31 | 50 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 10 | N.D. | | 63 | 50 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 10 | N.D. | | 46 | 50 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 10 | N.D. | | 35 | 50 |
| 05298 | Chloroethane | 75-00-3 | 30 | J | 10 | 79 | J | 26 | 50 |
| 05298 | Chloroform | 67-66-3 | 10 | J | 10 | 49 | J | 49 | 50 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 10 | N.D. | | 21 | 50 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 10 | N.D. | | 31 | 50 |
| 05298 | Cumene | 98-82-8 | N.D. | | 10 | N.D. | | 49 | 50 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 10 | N.D. | | 85 | 50 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 10 | N.D. | | 77 | 50 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 10 | N.D. | | 71 | 50 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 10 | N.D. | | 60 | 50 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 10 | N.D. | | 60 | 50 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 10 | N.D. | | 60 | 50 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 10 | N.D. | | 49 | 50 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 6,500 | | 100 | 27,000 | | 400 | 500 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 64 | | 10 | 260 | | 40 | 50 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 250,000 | | 10,000 | 980,000 | | 40,000 | 50000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 10 | N.D. | | 40 | 50 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 10 | N.D. | | 40 | 50 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 10 | N.D. | | 42 | 50 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 10 | N.D. | | 46 | 50 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 10 | N.D. | | 45 | 50 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 10 | N.D. | | 45 | 50 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 10 | N.D. | | 43 | 50 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 10 | N.D. | | 49 | 50 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 25 | N.D. | | 190 | 50 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 10 | N.D. | | 70 | 50 |
| 05298 | Heptane | 142-82-5 | N.D. | | 10 | N.D. | | 41 | 50 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 10 | N.D. | | 97 | 50 |
| 05298 | Hexane | 110-54-3 | N.D. | | 10 | N.D. | | 35 | 50 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 25 | N.D. | | 100 | 50 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 10 | N.D. | | 47 | 50 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 10 | N.D. | | 36 | 50 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 25 | N.D. | | 100 | 50 |
| 05298 | Methylene Chloride | 75-09-2 | 490 | | 10 | 1,700 | | 35 | 50 |
| 05298 | Octane | 111-65-9 | N.D. | | 10 | N.D. | | 47 | 50 |
| 05298 | Pentane | 109-66-0 | N.D. | | 10 | N.D. | | 30 | 50 |
| 05298 | Styrene | 100-42-5 | N.D. | | 10 | N.D. | | 43 | 50 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 10 | N.D. | | 69 | 50 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 10 | N.D. | | 69 | 50 |
| 05298 | Tetrachloroethene | 127-18-4 | 34 | J | 10 | 230 | J | 68 | 50 |
| 05298 | Toluene | 108-88-3 | 1,200 | | 100 | 4,600 | | 380 | 500 |

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# Analysis Report



**Sample Description: System #2 Summa 1038 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6149466**
**LLI Group # 1222717**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/20/2010 17:38 by JB

Submitted: 11/24/2010 09:50
Reported: 12/04/2010 09:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 200,000 | | 10,000 | 1,100,000 | | 55,000 | 50000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 10 | N.D. | | 55 | 50 |
| 05298 | Trichloroethene | 79-01-6 | 77 | | 10 | 410 | | 54 | 50 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 10 | N.D. | | 56 | 50 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 10 | N.D. | | 60 | 50 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 10 | N.D. | | 49 | 50 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 10 | N.D. | | 49 | 50 |
| 05298 | Vinyl Chloride | 75-01-4 | 95 | | 10 | 240 | | 26 | 50 |
| 05298 | m/p-Xylene | 179601-23-1 | 230 | | 10 | 1,000 | | 43 | 50 |
| 05298 | o-Xylene | 95-47-6 | 17 | J | 10 | 74 | J | 43 | 50 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/11

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1033430AA | 12/01/2010 03:00 | Michael A Ziegler | 50 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1033430AC | 12/02/2010 19:02 | Michael A Ziegler | 500 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1033430AC | 12/02/2010 21:08 | Michael A Ziegler | 50000 |

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# Analysis Report



**Sample Description: System #3 Summa 884 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6149467**
**LLI Group # 1222717**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/21/2010 20:55 by JB

Submitted: 11/24/2010 09:50
Reported: 12/04/2010 09:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | Acetone | 67-64-1 | N.D. | | 25 | N.D. | | 59 | 50 |
| 05298 | Benzene | 71-43-2 | N.D. | | 10 | N.D. | | 32 | 50 |
| 05298 | Bromobenzene | 108-86-1 | N.D. | | 10 | N.D. | | 64 | 50 |
| 05298 | Bromodichloromethane | 75-27-4 | N.D. | | 10 | N.D. | | 67 | 50 |
| 05298 | Bromoform | 75-25-2 | N.D. | | 10 | N.D. | | 100 | 50 |
| 05298 | Bromomethane | 74-83-9 | N.D. | | 10 | N.D. | | 39 | 50 |
| 05298 | 1,3-Butadiene | 106-99-0 | N.D. | | 25 | N.D. | | 55 | 50 |
| 05298 | 2-Butanone | 78-93-3 | N.D. | | 25 | N.D. | | 74 | 50 |
| 05298 | Carbon Disulfide | 75-15-0 | N.D. | | 10 | N.D. | | 31 | 50 |
| 05298 | Carbon Tetrachloride | 56-23-5 | N.D. | | 10 | N.D. | | 63 | 50 |
| 05298 | Chlorobenzene | 108-90-7 | N.D. | | 10 | N.D. | | 46 | 50 |
| 05298 | Chlorodifluoromethane | 75-45-6 | N.D. | | 10 | N.D. | | 35 | 50 |
| 05298 | Chloroethane | 75-00-3 | 20 | J | 10 | 53 | J | 26 | 50 |
| 05298 | Chloroform | 67-66-3 | N.D. | | 10 | N.D. | | 49 | 50 |
| 05298 | Chloromethane | 74-87-3 | N.D. | | 10 | N.D. | | 21 | 50 |
| 05298 | 3-Chloropropene | 107-05-1 | N.D. | | 10 | N.D. | | 31 | 50 |
| 05298 | Cumene | 98-82-8 | N.D. | | 10 | N.D. | | 49 | 50 |
| 05298 | Dibromochloromethane | 124-48-1 | N.D. | | 10 | N.D. | | 85 | 50 |
| 05298 | 1,2-Dibromoethane | 106-93-4 | N.D. | | 10 | N.D. | | 77 | 50 |
| 05298 | Dibromomethane | 74-95-3 | N.D. | | 10 | N.D. | | 71 | 50 |
| 05298 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 10 | N.D. | | 60 | 50 |
| 05298 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 10 | N.D. | | 60 | 50 |
| 05298 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 10 | N.D. | | 60 | 50 |
| 05298 | Dichlorodifluoromethane | 75-71-8 | N.D. | | 10 | N.D. | | 49 | 50 |
| 05298 | 1,1-Dichloroethane | 75-34-3 | 3,400 | | 100 | 14,000 | | 400 | 500 |
| 05298 | 1,2-Dichloroethane | 107-06-2 | 46 | J | 10 | 190 | J | 40 | 50 |
| 05298 | 1,1-Dichloroethene | 75-35-4 | 64,000 | | 1,000 | 250,000 | | 4,000 | 5000 |
| 05298 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | | 10 | N.D. | | 40 | 50 |
| 05298 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | | 10 | N.D. | | 40 | 50 |
| 05298 | Dichlorofluoromethane | 75-43-4 | N.D. | | 10 | N.D. | | 42 | 50 |
| 05298 | 1,2-Dichloropropane | 78-87-5 | N.D. | | 10 | N.D. | | 46 | 50 |
| 05298 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | | 10 | N.D. | | 45 | 50 |
| 05298 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | | 10 | N.D. | | 45 | 50 |
| 05298 | Ethylbenzene | 100-41-4 | N.D. | | 10 | N.D. | | 43 | 50 |
| 05298 | 4-Ethyltoluene | 622-96-8 | N.D. | | 10 | N.D. | | 49 | 50 |
| 05298 | Freon 113 | 76-13-1 | N.D. | | 25 | N.D. | | 190 | 50 |
| 05298 | Freon 114 | 76-14-2 | N.D. | | 10 | N.D. | | 70 | 50 |
| 05298 | Heptane | 142-82-5 | N.D. | | 10 | N.D. | | 41 | 50 |
| 05298 | Hexachloroethane | 67-72-1 | N.D. | | 10 | N.D. | | 97 | 50 |
| 05298 | Hexane | 110-54-3 | N.D. | | 10 | N.D. | | 35 | 50 |
| 05298 | 2-Hexanone | 591-78-6 | N.D. | | 25 | N.D. | | 100 | 50 |
| 05298 | Isooctane | 540-84-1 | N.D. | | 10 | N.D. | | 47 | 50 |
| 05298 | Methyl t-Butyl Ether | 1634-04-4 | N.D. | | 10 | N.D. | | 36 | 50 |
| 05298 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 25 | N.D. | | 100 | 50 |
| 05298 | Methylene Chloride | 75-09-2 | 260 | | 10 | 890 | | 35 | 50 |
| 05298 | Octane | 111-65-9 | N.D. | | 10 | N.D. | | 47 | 50 |
| 05298 | Pentane | 109-66-0 | N.D. | | 10 | N.D. | | 30 | 50 |
| 05298 | Styrene | 100-42-5 | N.D. | | 10 | N.D. | | 43 | 50 |
| 05298 | 1,1,1,2-Tetrachloroethane | 630-20-6 | N.D. | | 10 | N.D. | | 69 | 50 |
| 05298 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | | 10 | N.D. | | 69 | 50 |
| 05298 | Tetrachloroethene | 127-18-4 | 19 | J | 10 | 130 | J | 68 | 50 |
| 05298 | Toluene | 108-88-3 | 1,400 | | 100 | 5,300 | | 380 | 500 |

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# Analysis Report



**Sample Description: System #3 Summa 884 Grab Air**
**Avery Dennison / Flowery Branch, GA**

**LLI Sample # AQ 6149467**
**LLI Group # 1222717**
**Account # 06556**

**Project Name: Avery Dennison / Flowery Branch, GA**

Collected: 11/21/2010 20:55 by JB

Submitted: 11/24/2010 09:50
Reported: 12/04/2010 09:43

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

| CAT No. | Analysis Name | CAS Number | As Received Final Result | | MDL | As Received Final Result | | MDL | DF |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles in Air EPA TO-15** | | | ppb(v) | | ppb(v) | ug/m3 | | ug/m3 | |
| 05298 | 1,1,1-Trichloroethane | 71-55-6 | 92,000 | | 1,000 | 500,000 | | 5,500 | 5000 |
| 05298 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | | 10 | N.D. | | 55 | 50 |
| 05298 | Trichloroethene | 79-01-6 | 38 | J | 10 | 210 | J | 54 | 50 |
| 05298 | Trichlorofluoromethane | 75-69-4 | N.D. | | 10 | N.D. | | 56 | 50 |
| 05298 | 1,2,3-Trichloropropane | 96-18-4 | N.D. | | 10 | N.D. | | 60 | 50 |
| 05298 | 1,2,4-Trimethylbenzene | 95-63-6 | N.D. | | 10 | N.D. | | 49 | 50 |
| 05298 | 1,3,5-Trimethylbenzene | 108-67-8 | N.D. | | 10 | N.D. | | 49 | 50 |
| 05298 | Vinyl Chloride | 75-01-4 | 36 | J | 10 | 93 | J | 26 | 50 |
| 05298 | m/p-Xylene | 179601-23-1 | 110 | | 10 | 500 | | 43 | 50 |
| 05298 | o-Xylene | 95-47-6 | 10 | J | 10 | 45 | J | 43 | 50 |

MDL = Method Detection Limit

## General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/11

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1033430AA | 12/01/2010 03:44 | Michael A Ziegler | 50 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1033430AB | 12/02/2010 04:32 | Michael A Ziegler | 5000 |
| 05298 | TO 15 VOA Ext. List | EPA TO-15 | 1 | C1033430AC | 12/02/2010 19:45 | Michael A Ziegler | 500 |

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# Analysis Report



## Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1222717
Reported: 12/04/10 at 09:43 AM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

## Laboratory Compliance Quality Control

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: C1033430AA | Sample number(s): 6149465-6149467 | | | | | | | |
| Acetone | N.D. | 0.50 | ppb(v) | 87 | 86 | 56-144 | 0 | 25 |
| Benzene | N.D. | 0.20 | ppb(v) | 94 | 93 | 70-130 | 1 | 25 |
| Bromobenzene | N.D. | 0.20 | ppb(v) | | | | | |
| Bromodichloromethane | N.D. | 0.20 | ppb(v) | 106 | 105 | 73-132 | 2 | 25 |
| Bromoform | N.D. | 0.20 | ppb(v) | 112 | 103 | 65-135 | 9 | 25 |
| Bromomethane | N.D. | 0.20 | ppb(v) | 96 | 100 | 70-130 | 4 | 25 |
| 1,3-Butadiene | N.D. | 0.50 | ppb(v) | 87 | 90 | 65-138 | 4 | 25 |
| 2-Butanone | N.D. | 0.50 | ppb(v) | 85 | 87 | 63-135 | 2 | 25 |
| Carbon Disulfide | N.D. | 0.20 | ppb(v) | 77 | 80 | 59-112 | 3 | 25 |
| Carbon Tetrachloride | N.D. | 0.20 | ppb(v) | 97 | 98 | 70-130 | 1 | 25 |
| Chlorobenzene | N.D. | 0.20 | ppb(v) | 100 | 93 | 70-130 | 7 | 25 |
| Chlorodifluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| Chloroethane | N.D. | 0.20 | ppb(v) | 90 | 95 | 71-137 | 5 | 25 |
| Chloroform | N.D. | 0.20 | ppb(v) | 94 | 92 | 70-130 | 1 | 25 |
| Chloromethane | N.D. | 0.20 | ppb(v) | 84 | 85 | 59-135 | 2 | 25 |
| 3-Chloropropene | N.D. | 0.20 | ppb(v) | | | | | |
| Cumene | N.D. | 0.20 | ppb(v) | | | | | |
| Dibromochloromethane | N.D. | 0.20 | ppb(v) | 109 | 100 | 70-128 | 9 | 25 |
| 1,2-Dibromoethane | N.D. | 0.20 | ppb(v) | 108 | 99 | 71-129 | 8 | 25 |
| Dibromomethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 106 | 98 | 42-149 | 8 | 25 |
| 1,3-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 103 | 95 | 47-141 | 8 | 25 |
| 1,4-Dichlorobenzene | N.D. | 0.20 | ppb(v) | 105 | 97 | 43-143 | 8 | 25 |
| Dichlorodifluoromethane | N.D. | 0.20 | ppb(v) | 103 | 106 | 75-141 | 2 | 25 |
| 1,2-Dichloroethane | N.D. | 0.20 | ppb(v) | 105 | 102 | 70-130 | 2 | 25 |
| cis-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 83 | 85 | 63-125 | 2 | 25 |
| trans-1,2-Dichloroethene | N.D. | 0.20 | ppb(v) | 84 | 87 | 63-119 | 3 | 25 |
| Dichlorofluoromethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2-Dichloropropane | N.D. | 0.20 | ppb(v) | 86 | 85 | 70-130 | 1 | 25 |
| cis-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 98 | 98 | 66-127 | 0 | 25 |
| trans-1,3-Dichloropropene | N.D. | 0.20 | ppb(v) | 104 | 96 | 64-126 | 8 | 25 |
| Ethylbenzene | N.D. | 0.20 | ppb(v) | 107 | 97 | 70-130 | 10 | 25 |
| 4-Ethyltoluene | N.D. | 0.20 | ppb(v) | 108 | 98 | 56-138 | 10 | 25 |
| Freon 113 | N.D. | 0.50 | ppb(v) | 88 | 89 | 66-120 | 2 | 25 |
| Freon 114 | N.D. | 0.20 | ppb(v) | 89 | 91 | 64-141 | 3 | 25 |
| Heptane | N.D. | 0.20 | ppb(v) | 87 | 87 | 62-124 | 1 | 25 |
| Hexachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| Hexane | N.D. | 0.20 | ppb(v) | 79 | 81 | 59-123 | 3 | 25 |
| 2-Hexanone | N.D. | 0.50 | ppb(v) | 126 | 115 | 44-184 | 9 | 25 |
| Isooctane | N.D. | 0.20 | ppb(v) | | | | | |
| Methyl t-Butyl Ether | N.D. | 0.20 | ppb(v) | 79 | 79 | 62-125 | 0 | 25 |
| 4-Methyl-2-Pentanone | N.D. | 0.50 | ppb(v) | 105 | 103 | 62-151 | 2 | 25 |
| Methylene Chloride | N.D. | 0.20 | ppb(v) | 80 | 83 | 70-130 | 3 | 25 |
| Octane | N.D. | 0.20 | ppb(v) | | | | | |
| Pentane | N.D. | 0.20 | ppb(v) | | | | | |
| Styrene | N.D. | 0.20 | ppb(v) | 113 | 102 | 65-136 | 10 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Quality Control Summary

Client Name: The Johnson Company, Inc. Group Number: 1222717
Reported: 12/04/10 at 09:43 AM

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.20 | ppb(v) | 105 | 94 | 49-148 | 11 | 25 |
| Tetrachloroethene | N.D. | 0.20 | ppb(v) | 100 | 94 | 70-130 | 7 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 104 | 95 | 70-130 | 9 | 25 |
| 1,1,2-Trichloroethane | N.D. | 0.20 | ppb(v) | 103 | 94 | 64-129 | 9 | 25 |
| Trichloroethene | N.D. | 0.20 | ppb(v) | 99 | 101 | 70-130 | 2 | 25 |
| Trichlorofluoromethane | N.D. | 0.20 | ppb(v) | 106 | 108 | 70-130 | 2 | 25 |
| 1,2,3-Trichloropropane | N.D. | 0.20 | ppb(v) | | | | | |
| 1,2,4-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 109 | 100 | 52-142 | 9 | 25 |
| 1,3,5-Trimethylbenzene | N.D. | 0.20 | ppb(v) | 114 | 103 | 59-144 | 10 | 25 |
| Vinyl Chloride | N.D. | 0.20 | ppb(v) | 90 | 95 | 70-130 | 6 | 25 |
| m/p-Xylene | N.D. | 0.20 | ppb(v) | 118 | 107 | 70-130 | 10 | 25 |
| o-Xylene | N.D. | 0.20 | ppb(v) | 115 | 105 | 70-130 | 9 | 25 |
| Batch number: C1033430AB | Sample number(s): 6149465,6149467 | | | | | | | |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 87 | 87 | 65-127 | 0 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 82 | 86 | 62-118 | 4 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 94 | 94 | 70-130 | 1 | 25 |
| Batch number: C1033430AC | Sample number(s): 6149465-6149467 | | | | | | | |
| 1,1-Dichloroethane | N.D. | 0.20 | ppb(v) | 87 | 87 | 65-127 | 0 | 25 |
| 1,1-Dichloroethene | N.D. | 0.20 | ppb(v) | 82 | 86 | 62-118 | 4 | 25 |
| Toluene | N.D. | 0.20 | ppb(v) | 104 | 95 | 70-130 | 9 | 25 |
| 1,1,1-Trichloroethane | N.D. | 0.20 | ppb(v) | 94 | 94 | 70-130 | 1 | 25 |

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

# Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 6556 Group# 1222717 Sample # 6149465-67

**COC # 241145**

Please print. Instructions on reverse side correspond with circled numbers.

(1) Client: THE JOHNSON Co Acct. #:

Project Name/#: FLOWERY BRANCH PWSID #:

Project Manager: GLEN KIRKPATRICK P.O.#:

Sampler: JOEL BEHRSING Quote #:

Name of state where samples were collected: GA

For Lab Use Only
FSC:
SCR#:

Preservation Codes
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

| (2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | Matrix (4) Soil | Water (Check if Potable ☐ NPDES ☐) | Other | Total # of Containers | (5) Analyses Requested: VOCs TO-15 | Remarks | (6) Temperature of samples upon receipt (if requested) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SYSTEM #1 SUMMA 1036 | 11/19/10 | 17:14 | X | | | | X | 1 | X | | |
| SYSTEM #2 SUMMA 1038 | 11/20/10 | 17:38 | X | | | | X | 1 | X | | |
| SYSTEM #3 SUMMA 884 | 11/21/10 | 20:55 | X | | | | X | 1 | X | SHIPPED IN SEPARATE BOX | |

(7) **Turnaround Time Requested** (TAT) (please circle): (Normal) Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone Fax E-mail
Phone #: Fax #:
E-mail address:

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg)
Type II (Tier II)
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)
TX TRRP-13
MA MCP CT RCP
SDG Complete? Yes No
Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No

(9)

| Relinquished by: | Date | Time | Received by: | Date | Time |
|---|---|---|---|---|---|
| [signature] | 11/22/10 | 15:50 | | | |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: | Date | Time |
| Relinquished by: | Date | Time | Received by: [signature] | 11-24-10 | 0950 |

Lancaster Laboratories

# Environmental Sample Administration
# Receipt Documentation Log

**Client/Project:** Johnson Co.

**Date of Receipt:** 11-24-10

**Time of Receipt:** 0950

**Source Code:** 50-1

**Unpacker Emp. No.:** 2123

**Shipping Container Sealed:** (YES) NO

**Custody Seal Present * :** YES (NO)

* Custody seal was intact unless otherwise noted in the discrepancy section

**Package:** Chilled (Not Chilled)

| Temperature of Shipping Containers | | | | | | | |
|---|---|---|---|---|---|---|---|
| Cooler # | Thermometer ID | Temperature (°C) | Temp Bottle (TB) or Surface Temp (ST) | Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP) | Ice Present? Y/N | Loose (L) Bagged Ice (B) or NA | Comments |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |

**Number of Trip Blanks received NOT listed on chain of custody:** 0

**Paperwork Discrepancy/Unpacking Problems:**

received 1 flow controller

| Sample Administration Internal Chain of Custody | | | |
|---|---|---|---|
| Name | Date | Time | Reason for Transfer |
| Kristin Wright | 11-24-10 | 1240 | Unpacking |
| Dan Weslinad | 11/24/10 | 1245 | Place in Storage or (Entry) |
| | | | Entry |
| | | | Entry |

# Explanation of Symbols and Abbreviations

*The following defines common symbols and abbreviations used in reporting technical data:*

| | | | |
|---|---|---|---|
| **RL** | Reporting Limit | **BMQL** | Below Minimum Quantitation Level |
| **N.D.** | none detected | **MPN** | Most Probable Number |
| **TNTC** | Too Numerous To Count | **CP Units** | cobalt-chloroplatinate units |
| **IU** | International Units | **NTU** | nephelometric turbidity units |
| **umhos/cm** | micromhos/cm | **ng** | nanogram(s) |
| **C** | degrees Celsius | **F** | degrees Fahrenheit |
| **meq** | milliequivalents | **lb.** | pound(s) |
| **g** | gram(s) | **kg** | kilogram(s) |
| **ug** | microgram(s) | **mg** | milligram(s) |
| **ml** | milliliter(s) | **l** | liter(s) |
| **m3** | cubic meter(s) | **ul** | microliter(s) |

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**J** estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

*U.S. EPA CLP Data Qualifiers:*

**Organic Qualifiers**

| | |
|---|---|
| **A** | TIC is a possible aldol-condensation product |
| **B** | Analyte was also detected in the blank |
| **C** | Pesticide result confirmed by GC/MS |
| **D** | Compound quantitated on a diluted sample |
| **E** | Concentration exceeds the calibration range of the instrument |
| **N** | Presumptive evidence of a compound (TICs only) |
| **P** | Concentration difference between primary and confirmation columns >25% |
| **U** | Compound was not detected |
| **X,Y,Z** | Defined in case narrative |

**Inorganic Qualifiers**

| | |
|---|---|
| **B** | Value is <CRDL, but ≥IDL |
| **E** | Estimated due to interference |
| **M** | Duplicate injection precision not met |
| **N** | Spike sample not within control limits |
| **S** | Method of standard additions (MSA) used for calculation |
| **U** | Compound was not detected |
| **W** | Post digestion spike out of control limits |
| ***** | Duplicate analysis not within control limits |
| **+** | Correlation coefficient for MSA <0.995 |

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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# APPENDIX B

# BENCH SCALE TREATABILITY STUDY REPORT

# HiPOx® Technology Laboratory Test Report

---

**Report:**

**P2702**

**The Johnson Company**

**Rev: Draft**

**Site:**

**Flowery Branch, Georgia**

**Prepared for:**

**Todd Hall**
**The Johnson Company**
**1000 State St., Suite 600**
**Montpelier, VT 05602**

**Report Author(s): Doug Gustafson**
**Original Report Date: 5-5-11**

**APTwater, Inc.**
**2495 Estand way**
**Pleasant Hill, CA 94523**
**Phone: (925) 977-1811; Fax: (925) 977-1818**
**www.aptwater.com**

**TABLE OF CONTENTS**


**1.0 EXECUTIVE SUMMARY ..... 1**

**1.0 BACKGROUND INFORMATION ..... 2**

*1.1 PROJECT SPECIFIC INFORMATION ..... 2*
*1.2 OBJECTIVE OF EVALUATION ..... 2*
*1.3 PROCESS WATER INFORMATION ..... 3*

**2.0 RESULTS ..... 4**

**3.0 DISCUSSION ..... 5**

*3.1 RAW WATER ..... 5*
*3.2 TESTING RESULTS ..... 5*
*3.3 HIPOX DOSING AND COST PROJECTIONS FOR FULL-SCALE SYSTEM ..... 6*
*3.4 RECOMMENDATIONS ..... 7*

**4.0 ATTACHMENTS ..... 7**

**ATTACHMENT A HIPOX TECHNOLOGY ..... 8**

**ATTACHMENT B BENCH TEST CONDITIONS ..... 9**

**ATTACHMENT C ANALYTICAL RESULTS FROM THIRD PARTY LABS ..... 10**


## 1.0 Executive Summary

**The HiPOx treatment system successfully treated the 1-4 Dioxane contaminated ground water from the Flowery Branch, GA. site to below detection limits. The ground water was first air stripped to remove the VOC's. After air stripping the water was tested at four ozone/hydrogen peroxide doses to develop a destruction response curve based on ozone. The tests demonstrated that the destruction of the 1-4 Dioxane with the HiPOx process can be done efficiently.**

## 1.0 BACKGROUND INFORMATION

### *1.1 Project Specific Information*

The following is background information regarding this project:

- The site is an industrial site in Flowery Branch. Design is underway to treat a ground water stream with a flow rate of 10 gpm.
- The remediation system design is proposed to consist of a multiphase extraction system (MPE) where the extracted groundwater will first be treated by air stripping for VOC removal followed by HiPOx for 1, 4 dioxane destruction;
- The treatment objective is to reduce VOC's, and 1, 4 dioxane to meet the local POTW treatment standards
- The influent 1-4 Dioxane concentration in the ground water stream is approximately 250 ug/L to 500 ug/L and the discharge permit limit is < 3 ug/L;
- The Johnson Co. would like to evaluate HiPOx technology to treat the ground water stream and reduce or eliminate the 1-4 Dioxane ;

### *1.2 Objective of Evaluation*

The primary goals of this evaluation were to determine the following information:

- Generate dose-response curves for the 1-4 Dioxane destruction for the ground water stream;
- To determine the feasibility of using HiPOx $O_3/H_2O_2$ mode to reduce the 1-4 Dioxane concentration below treatment objective;

- If HiPOx is feasible for reducing the 1-4 Dioxane concentration below the treatment objective, then determine the optimal dosing conditions and treatment costs to achieve the objectives.

### *1.3 Process Water Information*

A sample was shipped by FedEx and received at APTwater's Pleasant Hill facility on 4-15-11 and immediately placed in refrigeration until the time of the test. The bench test was conducted on 4-20-11.

## 2.0 RESULTS

Analytical results of the test are summarized in TABLE 1. Dose-response figures for Figure 1. are presented in TABLE 1. All supporting third party analytical data reporting is provided in ATTACHMENT C.

TABLE 1

| Sample Results | | | | | | |
|---|---|---|---|---|---|---|
| ***Samples*** | | | | | | |
| Sample ID# | P2702-SP-0 | P2658-SP-AS | P2658-SP-1 | P2658-SP-2 | P2658-SP-3 | P2658-SP-4 |
| Run# | - | - | 1 | 2 | 3 | 4 |
| Ozone Dose (mg/L) | - | - | 2 | 5 | 8 | 11 |
| H2O2:O3 M.R. | - | - | 0.7 | 0.7 | 0.7 | 0.7 |
| **APT Analytical Results** | | | | | | |
| pH | 5.67 | 7.37 | 7.57 | 7.13 | 6.53 | 5.95 |
| Alkalinity (mg/L as $CaCO_3$) | 30 | 30 | 30 | 30 | 30 | 30 |
| Turbidity (NTU) | 0.17 | 8.12 | 8.57 | 11 | 11.5 | 14 |
| Temperature (deg C) | 15.3 | 21.6 | 21.5 | 20.7 | 19.9 | 21.6 |
| UVT (%UVT) | 98.8 | 86.3 | 83.1 | 75.6 | 67 | 57.5 |
| O3 Residual-Accuvac (mg/L) | - | - | 0.25 | 0.25 | 0.15 | 0.2 |
| O3 Residual-DPD (mg/L) | 0 | 0 | 0.6 | 0.9 | 1.5 | 2 |
| H2O2 Residual-Hach (mg/L) | 0.4 | 0.6 | 0.9 | 1.4 | 1.5 | 1.9 |
| H2O2 Residual-Strips (mg/L) | 0 | 0 | 0.5 | 0.5 | 0.5 | 0.5 - 2 |
| COD (mg/L) | 4 | 5 | 4 | 1 | 3 | 2 |
| **Lancaster Laboratories Analytical Results** | | | | | | |
| **VOC's (ug/L)** | | | | | | |
| Acetone | ND | 16 (J) | 17 (J) | 17 (J) | 16 (J) | 14 (J) |
| 2-Butanone | ND | 5 (J) | 4 (J) | ND | ND | ND |
| Chloroethane | 1 (J) | ND | ND | ND | ND | ND |
| 1, 2 - Dichloroethane | 4 (J) | ND | ND | ND | ND | ND |
| 1, 1 - Dichloroethene | 1,600 | ND | ND | ND | ND | ND |
| 1, 1, 1 - Trichlorothane | 570 | ND | ND | ND | ND | ND |
| 1, 1, 2 - Trichlorothane | 2 (J) | ND | ND | ND | ND | ND |
| Vinyl Chloride | 3 | ND | ND | ND | ND | ND |
| 1,4 Dioxane (ug/L) | 230 | 250 | 210 | 7.8 | < 0.5 ug/L | < 0.5 ug/L |

Note: " J " = The estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).
MDL for 1,4 Dioxane = 0.5 ug/L

## 3.0 DISCUSSION

### *3.1 Raw Water*

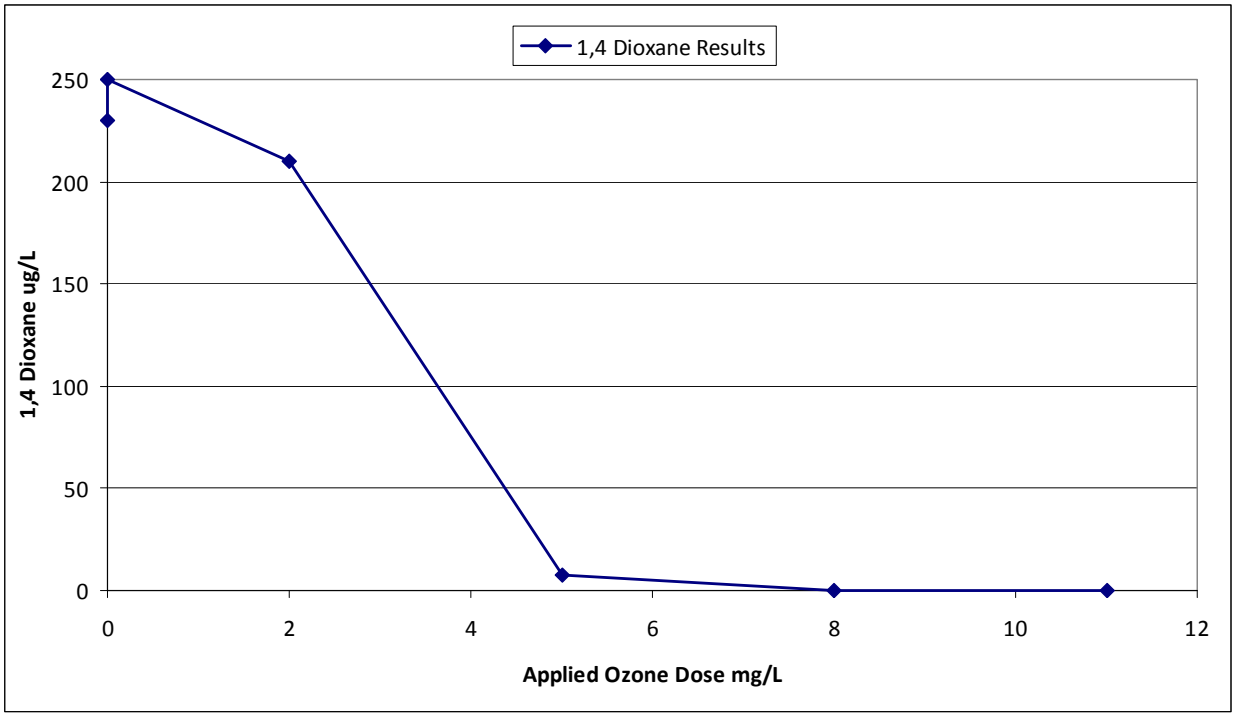
The raw water provided by The Johnson Co. is reported to have concentration of 1-4 Dioxane at 230 ug/L. The raw water was clear, with few sediments, and a solvent odor. The analytical results from the raw water are presented above in Table 1.

### *3.2 Treatment Testing Results*

**TABLE 1** above summarizes the analytical results for all samples and test runs.

**Figure 1** displays a graphical depiction of 1-4 Dioxane destruction in the form of a dose-response curve. The graph indicates that HiPOx technology was successful at destroying the 1-4 Dioxane in the $O_3/H_2O_2$ mode. In the $O_3/H_2O_2$ mode, the 1-4 Dioxane concentration decreased as the ozone dose increased. The 1-4 Dioxane concentration decreased to < 0.5 ug/L from 230 ug/L with the ozone dose tested of 8.0 mg/L. The water quality is very good and the destruction was better than anticipated resulting in the last two test results being below the detection limit. The graph indicates that the destruction is exponential.

Figure 1



Other observations:
The bench test air stripper demonstrated a good efficiency for removing the VOC's as shown in Table 2 below.

Table 2 VOCs Pre and Post air stripper

| | | |
|---|---|---|
| Chloroethane | 1 (J) | ND |
| 1, 2 - Dichloroethane | 4 (J) | ND |
| 1, 1 - Dichloroethene | 1,600 | ND |
| 1, 1, 1 - Trichlorothane | 570 | ND |
| 1, 1, 2 - Trichlorothane | 2 (J) | ND |
| Vinyl Chloride | 3 | ND |

After a number of days a small amount of red sediment appeared in the bottom of retained samples from run 3 and 4. This material is likely from oxidized iron from both processes the water was subject to air stripping and advanced oxidation.

### *3.3 HiPOx Dosing and Cost Projections for Full-Scale System*

A destruction model was generated within the limitations of the data to project ozone and hydrogen peroxide dosing levels to meet the treatment objective. It is estimated that the full scale system may have 500 µg/l 1-4 Dioxane in the influent. Based on the destruction model for 1-4 Dioxane, the following table represents the dosing levels required. Projections made on the anticipated water quality are shown in Table 3 below.

Table 3 Full scale system dose projection

| | |
|---|---|
| **1-4 Dioxane Dosing Projections** | |
| **1-4 Dioxane Influent** | **500 ug/l** |
| **1-4 Dioxane Effluent** | **< 3 ug/l** |
| **Projected Ozone Dose mg/l** | **11.6** |
| **Projected Hydrogen peroxide Dose mg/l** | **5.2** |
| | |

Note: The projected ozone dose is higher than the bench-scale ozone dose to account for mass transfer inefficiencies in a full-scale process. The project hydrogen peroxide dose is based on the transferred ozone dose.

### *3.4 Recommendations*

***The test met the treatment objectives and was quite successful in the destruction of the 1-4 Dioxane at relatively low ozone doses. APTwater recommends the next step to be to be a preliminary design and firm cost development for a full-scale treatment system, This would include provisions for a performance guarantee based on these results. We do not feel that field pilot-testing is necessary or warranted for this particular application***

End of Report

## 4.0 ATTACHMENTS

**ATTACHMENT A HiPOx Technology**

The HiPOx® process, developed by APTwater, Inc. (APTwater), is an ozone-based plug flow reactor technology that can be used as either an advanced oxidation reactor or a highly efficient ozone dissolution/contacting system. In the advanced oxidation mode, HiPOx maximizes the production of hydroxyl radicals (the most powerful oxidant available for water treatment) with highly efficient injection and mixing of ozone and hydrogen peroxide while minimizing bromate formation. In the ozone only mode, HiPOx maximizes the benefits of ozone with high mass transfer efficiency to ensure ozone is not wasted and reacts completely with the water. HiPOx can be operated in either advanced oxidation or ozone only modes as needed.

HiPOx has many water treatment applications. HiPOx has proven to be a very effective process for destroying organic micropollutants for groundwater remediation, drinking water wellhead treatment, and industrial wastewater treatment. It is well-known that ozone is very beneficial for taste and odor, color, enhanced clarification, disinfection byproduct precursor removal, and disinfection for drinking water surface water treatment. Ozone is also an emerging technology for wastewater treatment and water reuse with respect to micro-pollutants, endocrine disrupting compounds (EDCs), and personal and pharmaceutical care products. HiPOx has received conditional acceptance for disinfection of tertiary filtered wastewater for unrestricted water reuse under the requirements of Title 22 in the state of California.

HiPOx may also be integrated with other treatment technologies such as air stripping, metals removal, filtration, activated carbon, UV, and chlorine to provide a multiple treatment barrier and low cost water treatment solution.

## ATTACHMENT B Bench Test Conditions

P Number P2702

| Test Run Information | | | Reactor | | | Ozone and Oxygen | | | | Hydrogen Peroxide | | | | Time and Injectors | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID # | Run # | Description | Reactor Volume (L) | Reactor Flow Rate (gpm) | Residence Time Per Pass (seconds) | Applied Ozone Dose (mg/L) | Ozone Conc. (wt%) | Oxygen Flowrate (mls/min) | mMoles Ozone | H2O2:O3 Mole Ratio | H2O2 Conc (wt%) | H2O2 (ppm) | Volume H2O2 (mls) | STEP#1 Ozone Addition Time (seconds) | Total # of Equiv. Injectors |
| P2702-SP-1 | 1 | post air stripping, low dose | 1.8 | 3.0 | **9.5** | 2.0 | 5.0 | 75.0 | **0.08** | 0.70 | 1.00 | **1.0** | **0.18** | **43** | 4.6 |
| P2702-SP-2 | 2 | post air stripping, med low dose | 1.8 | 3.0 | **9.5** | 5.0 | 5.0 | 75.0 | **0.19** | 0.70 | 1.00 | **2.5** | **0.45** | **108** | 11.4 |
| P2702-SP-3 | 3 | post air stripping, med dose | 1.8 | 3.0 | **9.5** | 8.0 | 5.0 | 75.0 | **0.30** | 0.70 | 1.00 | **4.0** | **0.71** | **173** | 18.2 |
| P2702-SP-4 | 4 | post air stripping, high dose | 1.8 | 3.0 | **9.5** | 11.0 | 5.0 | 75.0 | **0.41** | 0.70 | 1.00 | **5.5** | **0.98** | **239** | 25.1 |

## ATTACHMENT C  Analytical Results from Third Party Labs

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

The Johnson Company, Inc.
Suite 600
100 State Street
Montpelier VT 05602

April 25, 2011

Project:  HiPOx Bench Test Study  Flowery Branch, GA

Submittal Date:  04/21/2011
Group Number:  1243328
PO Number:  1-0145-4
State of Sample Origin:  GA

| Client Sample Description | Lancaster Labs # | Collected |
|---|---|---|
| P2702-SP-0 Grab Water<br>HiPOx Bench Test Study | 6265383 | 04/20/2011 06:45 |
| P2702-SP-1 Grab Water<br>HiPOx Bench Test Study | 6265384 | 04/20/2011 07:00 |
| P2702-SP-2 Grab Water<br>HiPOx Bench Test Study | 6265385 | 04/20/2011 07:50 |
| P2702-SP-3 Grab Water<br>HiPOx Bench Test Study | 6265386 | 04/20/2011 08:45 |
| P2702-SP-4 Grab Water<br>HiPOx Bench Test Study | 6265387 | 04/20/2011 09:15 |
| P2702-SP-AS Grab Water<br>HiPOx Bench Test Study | 6265388 | 04/20/2011 10:30 |
| Trip Blank Water<br>HiPOx Bench Test Study | 6265389 | 04/20/2011 15:00 |

**METHODOLOGY**

The specified methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

| | | |
|---|---|---|
| ELECTRONIC COPY TO | The Johnson Company, Inc. | Attn: Glen  Kirkpatrick |
| ELECTRONIC COPY TO | The Johnson Company, Inc. | Attn: Todd  Hall |

Questions? Contact your Client Services Representative
Wendy A Kozma at (717) 656-2300  Ext. 1522

Respectfully Submitted,




| Analysis Name | Units | Method | Cas Number | 6265383 P2702-SP-0 | | 6265384 P2702-SP-1 | | 6265385 P2702-SP-2 | | 6265386 P2702-SP-3 | | 6265387 P2702-SP-4 | | 6265388 P2702-SP-AS | | 6265389 Trip Blank | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Result | MDL | Result | MDL | Result | MDL | Result | MDL | Result | MDL | Result | MDL | Result | MDL |
| Acetone | ug/l | SW-846 8260B | 67-64-1 | N.D. | 6 | 17 J | 6 | 17 J | 6 | 16 J | 6 | 14 J | 6 | 16 J | 6 | N.D. | 6 |
| Benzene | ug/l | SW-846 8260B | 71-43-2 | N.D. | 0.5 | N.D. | 0.5 | N.D. | 0.5 | N.D. | 0.5 | N.D. | 0.5 | N.D. | 0.5 | N.D. | 0.5 |
| Bromodichloromethane | ug/l | SW-846 8260B | 75-27-4 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 |
| Bromoform | ug/l | SW-846 8260B | 75-25-2 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 |
| Bromomethane | ug/l | SW-846 8260B | 74-83-9 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 |
| 2-Butanone | ug/l | SW-846 8260B | 78-93-3 | N.D. | 3 | 4 J | 3 | N.D. | 3 | N.D. | 3 | N.D. | 3 | 5 J | 3 | N.D. | 3 |
| Carbon Disulfide | ug/l | SW-846 8260B | 75-15-0 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 |
| Carbon Tetrachloride | ug/l | SW-846 8260B | 56-23-5 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 |
| Chlorobenzene | ug/l | SW-846 8260B | 108-90-7 | N.D. | 0.8 | N.D. | 0.8 | N.D. | 0.8 | N.D. | 0.8 | N.D. | 0.8 | N.D. | 0.8 | N.D. | 0.8 |
| Chloroethane | ug/l | SW-846 8260B | 75-00-3 | 1 J | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 |
| Chloroform | ug/l | SW-846 8260B | 67-66-3 | N.D. | 0.8 | N.D. | 0.8 | N.D. | 0.8 | N.D. | 0.8 | N.D. | 0.8 | N.D. | 0.8 | N.D. | 0.8 |
| Chloromethane | ug/l | SW-846 8260B | 74-87-3 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 |
| Dibromochloromethane | ug/l | SW-846 8260B | 124-48-1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 |
| 1,1-Dichloroethane | ug/l | SW-846 8260B | 75-34-3 | 80 | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 |
| 1,2-Dichloroethane | ug/l | SW-846 8260B | 107-06-2 | 4 J | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 |
| 1,1-Dichloroethene | ug/l | SW-846 8260B | 75-35-4 | 1,600 | 8 | N.D. | 0.8 | N.D. | 0.8 | N.D. | 0.8 | N.D. | 0.8 | N.D. | 0.8 | N.D. | 0.8 |
| cis-1,2-Dichloroethene | ug/l | SW-846 8260B | 156-59-2 | N.D. | 0.8 | N.D. | 0.8 | N.D. | 0.8 | N.D. | 0.8 | N.D. | 0.8 | N.D. | 0.8 | N.D. | 0.8 |
| trans-1,2-Dichloroethene | ug/l | SW-846 8260B | 156-60-5 | N.D. | 0.8 | N.D. | 0.8 | N.D. | 0.8 | N.D. | 0.8 | N.D. | 0.8 | N.D. | 0.8 | N.D. | 0.8 |
| 1,2-Dichloropropane | ug/l | SW-846 8260B | 78-87-5 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 |
| cis-1,3-Dichloropropene | ug/l | SW-846 8260B | 10061-01-5 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 |
| trans-1,3-Dichloropropene | ug/l | SW-846 8260B | 10061-02-6 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 |
| Ethylbenzene | ug/l | SW-846 8260B | 100-41-4 | N.D. | 0.8 | N.D. | 0.8 | N.D. | 0.8 | N.D. | 0.8 | N.D. | 0.8 | N.D. | 0.8 | N.D. | 0.8 |
| 2-Hexanone | ug/l | SW-846 8260B | 591-78-6 | N.D. | 3 | N.D. | 3 | N.D. | 3 | N.D. | 3 | N.D. | 3 | N.D. | 3 | N.D. | 3 |
| 4-Methyl-2-pentanone | ug/l | SW-846 8260B | 108-10-1 | N.D. | 3 | N.D. | 3 | N.D. | 3 | N.D. | 3 | N.D. | 3 | N.D. | 3 | N.D. | 3 |
| Methylene Chloride | ug/l | SW-846 8260B | 75-09-2 | N.D. | 2 | N.D. | 2 | N.D. | 2 | N.D. | 2 | N.D. | 2 | N.D. | 2 | N.D. | 2 |
| Styrene | ug/l | SW-846 8260B | 100-42-5 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 |
| 1,1,2,2-Tetrachloroethane | ug/l | SW-846 8260B | 79-34-5 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 |
| Tetrachloroethene | ug/l | SW-846 8260B | 127-18-4 | N.D. | 0.8 | N.D. | 0.8 | N.D. | 0.8 | N.D. | 0.8 | N.D. | 0.8 | N.D. | 0.8 | N.D. | 0.8 |
| Toluene | ug/l | SW-846 8260B | 108-88-3 | N.D. | 0.7 | N.D. | 0.7 | N.D. | 0.7 | N.D. | 0.7 | N.D. | 0.7 | N.D. | 0.7 | N.D. | 0.7 |
| 1,1,1-Trichloroethane | ug/l | SW-846 8260B | 71-55-6 | 570 | 8 | N.D. | 0.8 | N.D. | 0.8 | N.D. | 0.8 | N.D. | 0.8 | N.D. | 0.8 | N.D. | 0.8 |
| 1,1,2-Trichloroethane | ug/l | SW-846 8260B | 79-00-5 | 2 J | 0.8 | N.D. | 0.8 | N.D. | 0.8 | N.D. | 0.8 | N.D. | 0.8 | N.D. | 0.8 | N.D. | 0.8 |
| Trichloroethene | ug/l | SW-846 8260B | 79-01-6 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 |
| Vinyl Chloride | ug/l | SW-846 8260B | 75-01-4 | 3 | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 | N.D. | 1 |
| Xylene (Total) | ug/l | SW-846 8260B | 1330-20-7 | N.D. | 0.8 | N.D. | 0.8 | N.D. | 0.8 | N.D. | 0.8 | N.D. | 0.8 | N.D. | 0.8 | N.D. | 0.8 |
| 1,4-Dioxane | ug/l | SW-846 8260B SIM | 123-91-1 | 230 | 10 | 210 | 25 | 7.8 | 1.0 | N.D. | 0.5 | N.D. | 0.5 | 250 | 10 | N.D. | 0.5 |

# APPENDIX C

# AIR STRIPPER MODEL INPUTS AND RESULTS

**Air Stripper Model Inputs**

The ShallowTray Modeler software provided by Bisco Environmental Inc (an air stripper vendor) was used to evaluate potential air stripper performance at treating groundwater extracted by the MPE System. Groundwater monitoring data reported in the 2010 Compliance Status Report (JCO, 2010) was used to estimate VOC and target inorganic constituent parameter concentrations that will be present in the groundwater extracted by the MPE System. Table 1 summarizes the estimated VOC concentrations used in the model, shallow tray model results are summarized on Table 2. As shown on Table 2, the model results indicate target VOC concentrations will be less than 1 microgram per liter.

**TABLE 1**

| Contaminant | Estimated Influent Concentration (µg/L or ppb) |
|---|---|
| 1,1 – Dichloroethylene | 2800 |
| 1,1,1 – Trichloroethane | 280 |
| 1,1 – Dichloroethane | 90 |
| 1,2 – Dichloroethane | 6 |
| o-Xylene | 5 |
| Vinyl Chloride | 5 |
| 1,1,2 – Trichloroethane | 3 |
| Methylene Chloride | 3 |
| Tetrachloroethylene | 1 |
| Toluene | 2 |
| Trichloroethylene | 2 |
| 1,4 – Dioxane | 500 |

ShallowTray®
low profile air strippers

## System Performance Estimate

Client and Proposal Information:

**The Johnson Company Inc**
**Groundwater Treatment**
**Flowery Branch, Georgia**

| | |
|---|---|
| Series chosen: | 1300 |
| Water Flow Rate: | 10.0 GPM US |
| Air Flow Rate: | 150 CFM |
| Water Temp: | 60 °F |
| Air Temp: | 90 °F |
| A/W Ratio: | 112 :1 |
| Safety Factor: | 15% |
| Water Discharge Temp. | 61.0 °F |

| Contaminant | Untreated Influent / Effluent Target | SELECTED MODEL Model 1311 Effluent Lbs/hr ppmv % removal | Model 1321 Effluent Lbs/hr ppmv % removal | Model 1331 Effluent Lbs/hr ppmv % removal | Model 1341 Effluent Lbs/hr ppmv % removal | Model 1351 Effluent Lbs/hr ppmv % removal |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethylene | 2800 ppb | 55 ppb | 1 ppb | <1 ppb | <1 ppb | <1 ppb |
| Solubility 500 ppm | ppb | 0.01 5.99 | 0.01 6.10 | 0.01 6.10 | 0.01 6.10 | 0.01 6.10 |
| Mwt 96.94 75-35-4 | | 98.04% | 99.96% | 100.00% | 100.00% | 100.00% |
| 1,1,1-Trichloroethane | 280 ppb | 11 ppb | <1 ppb | <1 ppb | <1 ppb | <1 ppb |
| Solubility 4,400 ppm | ppb | 0.00 0.43 | 0.00 0.44 | 0.00 0.44 | 0.00 0.44 | 0.00 0.44 |
| Mwt 133.41 71-55-6 | | 95.89% | 99.83% | 99.99% | 100.00% | 100.00% |
| 1,1- Dichloroethane | 90 ppb | 4 ppb | <1 ppb | <1 ppb | <1 ppb | <1 ppb |
| Solubility 5,500 ppm | ppb | 0.00 0.18 | 0.00 0.19 | 0.00 0.19 | 0.00 0.19 | 0.00 0.19 |
| Mwt 98.96 75-34-3 | | 95.45% | 99.79% | 99.99% | 100.00% | 100.00% |
| 1,2-Dichloroethane | 6 ppb | 2 ppb | 1 ppb | <1 ppb | <1 ppb | <1 ppb |
| Solubility 550 ppm | ppb | 0.00 0.01 | 0.00 0.01 | 0.00 0.01 | 0.00 0.01 | 0.00 0.01 |
| Mwt 98.96 107-06-2 | | 58.59% | 82.85% | 92.90% | 97.06% | 98.78% |
| o-Xylene | 5 ppb | <1 ppb | <1 ppb | <1 ppb | <1 ppb | <1 ppb |
| Solubility 152 ppm | ppb | 0.00 0.01 | 0.00 0.01 | 0.00 0.01 | 0.00 0.01 | 0.00 0.01 |
| Mwt 106.17 95-47-6 | | 91.49% | 99.28% | 99.94% | 99.99% | 100.00% |
| Vinyl Chloride | 5 ppb | <1 ppb | <1 ppb | <1 ppb | <1 ppb | <1 ppb |
| Solubility 1100 ppm | ppb | 0.00 0.02 | 0.00 0.02 | 0.00 0.02 | 0.00 0.02 | 0.00 0.02 |
| Mwt 62.5 75-01-4 | | 99.50% | 100.00% | 100.00% | 100.00% | 100.00% |
| 1,1,2-Trichloroethane | 3 ppb | 2 ppb | <1 ppb | <1 ppb | <1 ppb | <1 ppb |
| Solubility 4,500 ppm | ppb | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 |
| Mwt 133.41 79-00-5 | | 45.95% | 70.79% | 84.21% | 91.47% | 95.39% |
| Methylene Chloride | 3 ppb | <1 ppb | <1 ppb | <1 ppb | <1 ppb | <1 ppb |
| Solubility 20,000 ppm | ppb | 0.00 0.01 | 0.00 0.01 | 0.00 0.01 | 0.00 0.01 | 0.00 0.01 |
| Mwt 84.93 75-09-2 | | 83.97% | 97.43% | 99.59% | 99.93% | 99.99% |
| Toluene | 2 ppb | <1 ppb | <1 ppb | <1 ppb | <1 ppb | <1 ppb |
| Solubility 515 ppm | ppb | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 |
| Mwt 92.13 108-88-3 | | 90.10% | 99.02% | 99.90% | 99.99% | 100.00% |
| Tetrachloroethylene | 1 ppb | <1 ppb | <1 ppb | <1 ppb | <1 ppb | <1 ppb |
| Solubility 150 ppm | ppb | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 |
| Mwt 165.83 127-18-4 | | 97.70% | 99.95% | 100.00% | 100.00% | 100.00% |
| Trichloroethylene | 2 ppb | <1 ppb | <1 ppb | <1 ppb | <1 ppb | <1 ppb |
| Solubility 1100 ppm | ppb | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 |
| Mwt 131.5 79-01-6 | | 97.14% | 99.92% | 100.00% | 100.00% | 100.00% |
| | | | | | | |
| **Total ppb** | 3197 ppb | 76 ppb | 4 ppb | 1 ppb | 0 ppb | 0 ppb |
| **Total VOC Lbs/hr - ppmv** | | 0.02 6.64 | 0.02 6.79 | 0.02 6.80 | 0.02 6.80 | 0.02 6.80 |
| **Total** | | 97.63% | 99.88% | 99.97% | 99.99% | 99.99% |

This report has been generated by ShallowTray Modeler software version IMP. This software is designed to assist a skilled operator in predicting the performance of a ShallowTray air stripping system. BISCO Environmental, Inc. is not responsible for incidental or consequential damages resulting from the improper operation of either the software or the air stripping equipment. This software is © Copyright BISCO Environmental, Inc., 2009.

**Report Generated: 2/13/2012** **Modeler VIMP Jan09**

# APPENDIX D

# EXISTING PUMP STATION DETAILS

HOMA
PUMPEN MIT SYSTEM

# Technical Information

GRP34/3/C

* Pump will operate where pump curve intersects the system curve estimated to be 115 GPM @ 57' TDH

**Operating data**

| | |
|---|---|
| Flow | * 77 US g.p.m. |
| Head | * 46 ft |
| Pump efficiency | 46.7 % |
| Required power | 3.6 hp |
| NPSH | |
| Fluid | Water, clean |
| Temperature | 68 °F |
| Pumpe type | Single head pump |
| No. of pumps | 1 |

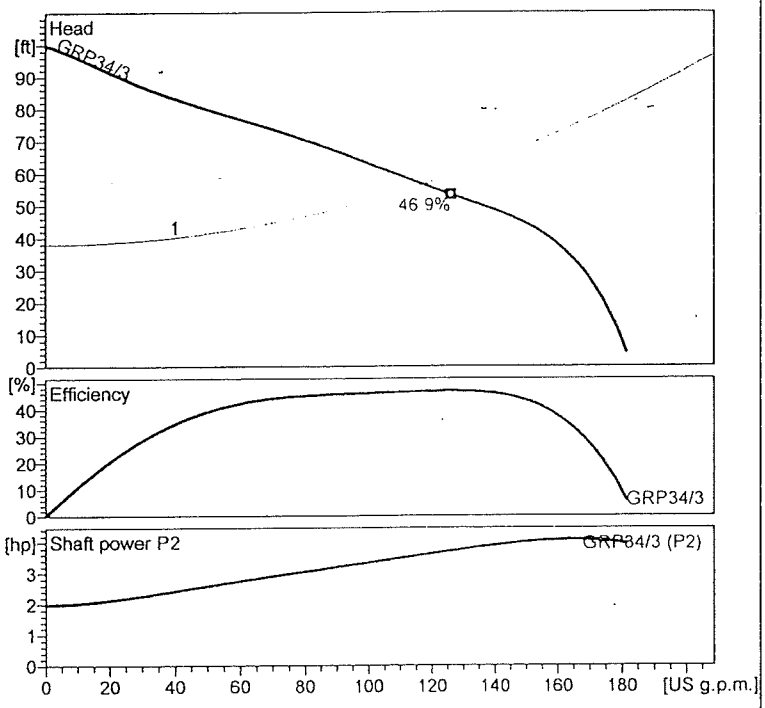
**Pump data**

| | |
|---|---|
| Type | GRP34/3/C |
| Manufacturer | HOMA |
| Series | GRP (FM) |
| Impeller | vane impeller with cutter sys. |
| Impeller size | $4^{13}/_{16}$" |
| Solid size | |
| Discharge port | 2" M |

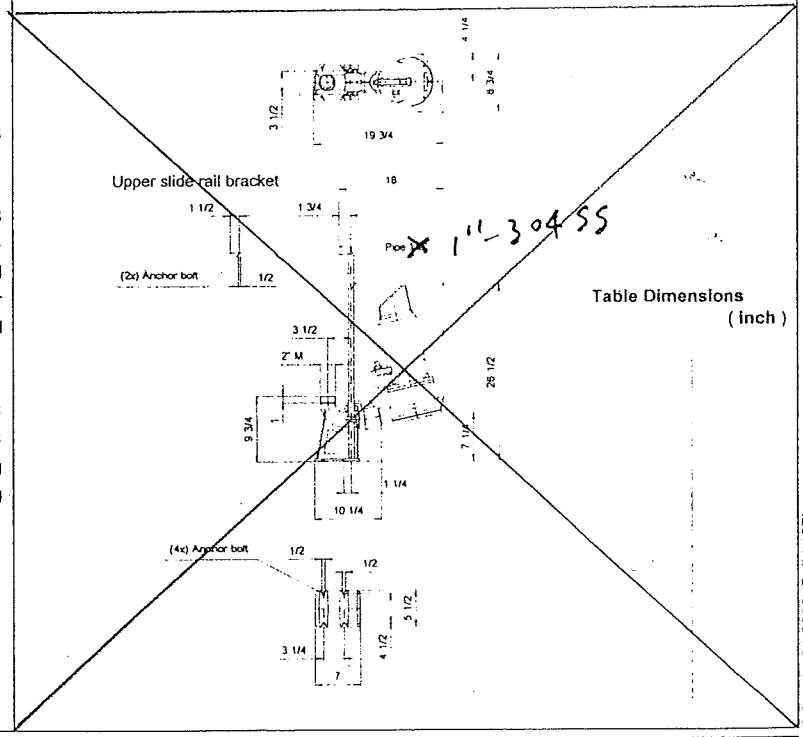
**Motor data**

| | |
|---|---|
| Rated voltage | 230 / 460 V |
| Frequency | 60 Hz |
| Power output (P2) | 4.1 hp |
| Rated speed | 3450 rpm |
| Number of poles | 2 |
| Efficiency | 83 % |
| Rated current | 10.2/ 5,4 A |
| Degree of protection | IP 68 |

Testnorm ISO 9906




Wet well installation with auto coupling system 2Z (GRP36 41)
Dimensions in inch, letters see table




**Materials**

| | |
|---|---|
| Motor housing | Cast Iron ASTM A48;Cl.40B |
| Motor bearing cover | Cast Iron ASTM A48;Cl.40B |
| Pump housing | Cast Iron ASTM A48;Cl.40B |
| Impeller | Cast Iron ASTM A48;Cl.40B |
| Cutting system | Hardened Stainless Stell HRC55 |
| Motor shaft | AISI 430 F Stainless Steel |
| O-Rings | Nitrile Rubber |
| Bolts | AISI 304 Stainless Steel |

| | |
|---|---|
| Mechanical seal on medium side | SiC / SiC |
| Mechanical seal on motor side | SiC / SiC |
| Lower Bearing | Double Row Angular Ball Bearing |
| Upper Bearing | Deep Groove Ball Bearing |

2.0 - 11.01.2008 (Build 137)

| Project | Project no.: | Created by: | Page: 1 | Date: 2008-08-14 |
|---|---|---|---|---|

HOMA
PUMPEN MIT SYSTEM

# Performance Curve

GRP34/3/C

## Impeller

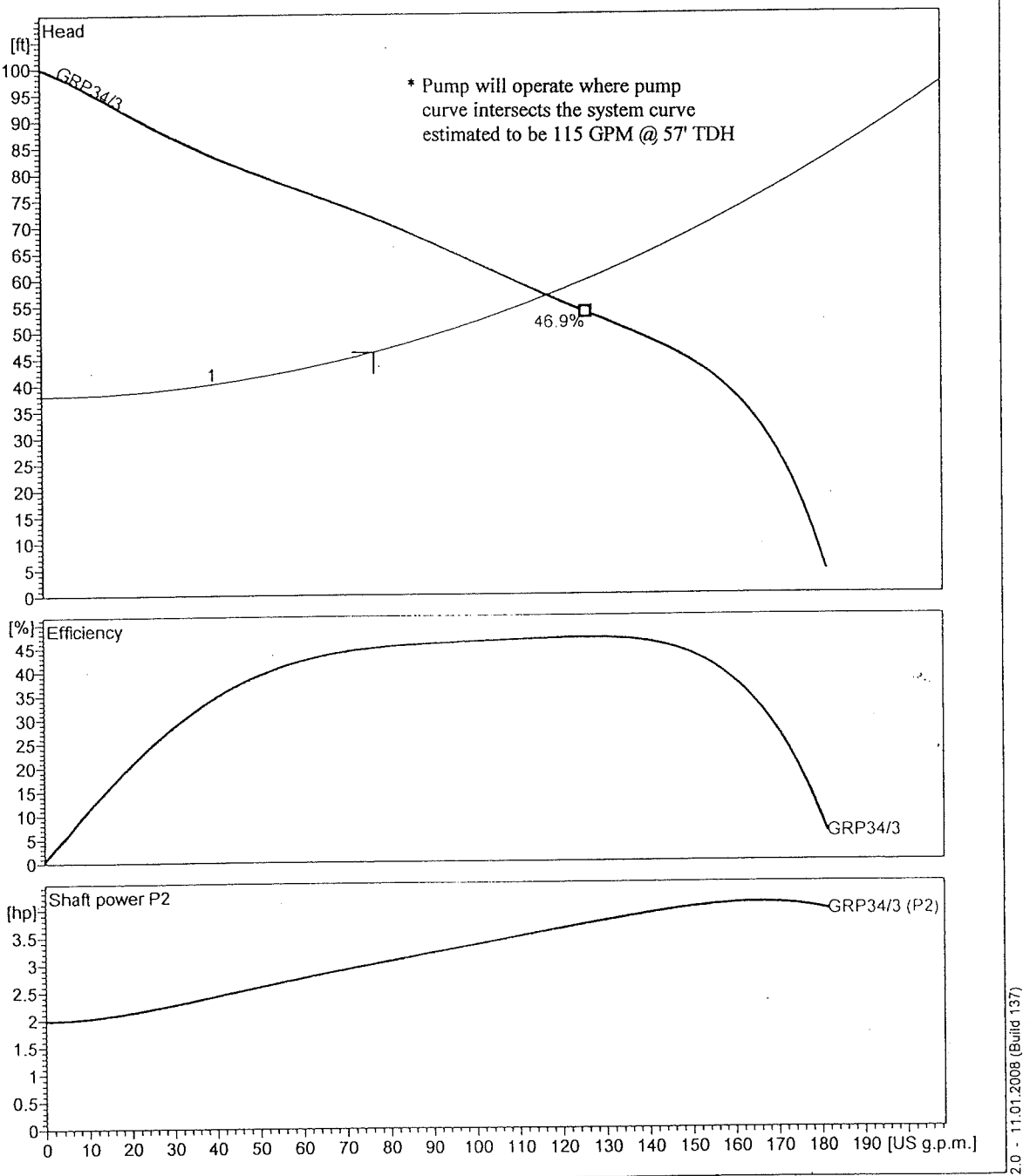
| Impeller type: | Solid size Ø: | Max. Ø: | Min. Ø: | Sel. Ø: |
|---|---|---|---|---|
| vane impeller with cutter sys. | | 6 5/16" | 5 7/8" | 4 13/16" |

## Operating data

| Speed: | Frequency: | Duty point: | Suction port: | Discharge port: |
|---|---|---|---|---|
| 3450 rpm | 60 Hz | Q = 77 US g.p.m. H = 46 ft | | 2" M |

| Power data referred to: | Water [100%] ; 68°F; 62.322lb/ft³; 1.0818E-5ft²/s | Testnorm: | ISO 9906 |
|---|---|---|---|

Curve number:



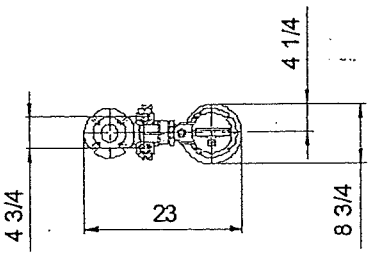

2.0 - 11.01.2008 (Build 137)

| Project | Project no.: | Created by: | Page: | Date: |
|---|---|---|---|---|
| | | | 2 | 2008-08-14 |

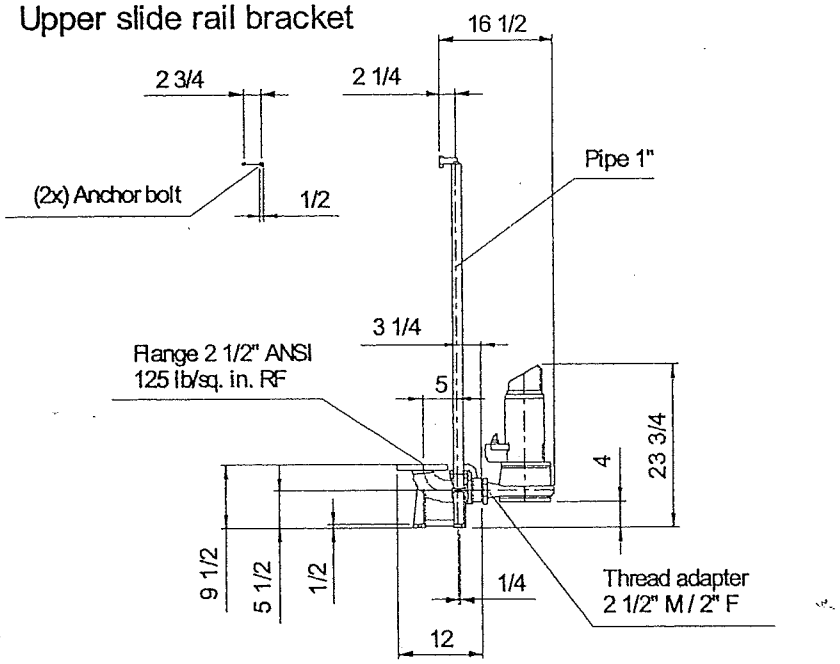
# Dimensions

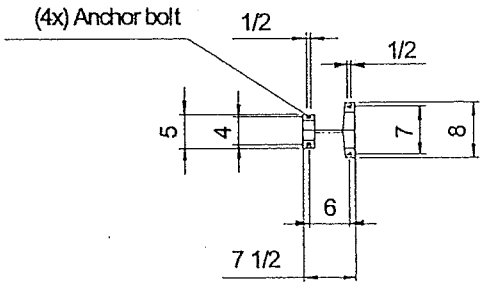
GRP28...41/..  (FM)

Wet well installation with auto coupling with 1" rails




## Upper slide rail bracket




No. SPAIX-MB442-0

| Project | Project no.: | Created by: | Page: | Date: 2007-10-05 |
|---|---|---|---|---|

HOMA
PUMPEN MIT SYSTEM

# Technical Data
GRP34/3/C

## Operating data

| | | | | | |
|---|---|---|---|---|---|
| Fluid | Water, clean | | Flow | | ~~77~~ 115 US g.p.m. |
| Temperature | 68 | °F | Static head | H geo | 38 ft |
| Density | 62.32 | lb/ft³ | Manometric head | H man | ~~48~~ 57 ft |
| Kin. viscosity | 1.082E-5 | ft²/s | Pump efficiency | | 46.7 % |

## Pump

| | | | | | |
|---|---|---|---|---|---|
| Pump Code | GRP34/3/C | | Speed | | 3450 rpm |
| Suction port | | | Head | Max. | 99.9 ft |
| Discharge port | 2" M | | | Min. | 4.7 ft |
| Impeller type | vane impeller with cutter sys. | | Flow | Max. | 181.4 US g.p.m. |
| Solid size | | inch | Pump efficiency max. | | 46.9 % |
| Impeller Ø | 4.84 | inch | Required rated power max. | | 4.1 hp |

## Motor

| | | | | | |
|---|---|---|---|---|---|
| Motor design | Submersible motor | | Insulation class | | F |
| Motor name | AM136.5,4/2/3 | | Degree of protection | | IP 68 |
| Frequency | 60 | Hz | Temperature class | | T4 |
| Power input (P1) | 5.0 | hp | Ex | | |
| Power output (P2) | 4.1 | hp | Explosion protection | | |
| Rated speed | 3450 | rpm | Efficiency at % rated power | 100% | 83 % |
| Rated voltage | 460 / 230 V | 3~ | | 75% | % |
| Rated current | 5.2 / 10.4 | A | | 50% | % |
| Starting current, direct starting | 43.0 / 86.0 | A | cos phi at % rated power | 100% | 0.84 |
| Starting current, star-delta | 14.3 / 28.6 | A | | 75% | |
| Service factor | 1 15 | | | 50% | |

| | | |
|---|---|---|
| Shaft seal | Mechanical seal on medium side | SiC / SiC |
| | Mechanical seal on motor side | SiC / SiC |
| Bearing | Lower Bearing | Double Row Angular Ball Bearing |
| | Upper Bearing | Deep Groove Ball Bearing |
| Remarks | | |

## Cable data

Starting mode: direct /Weight

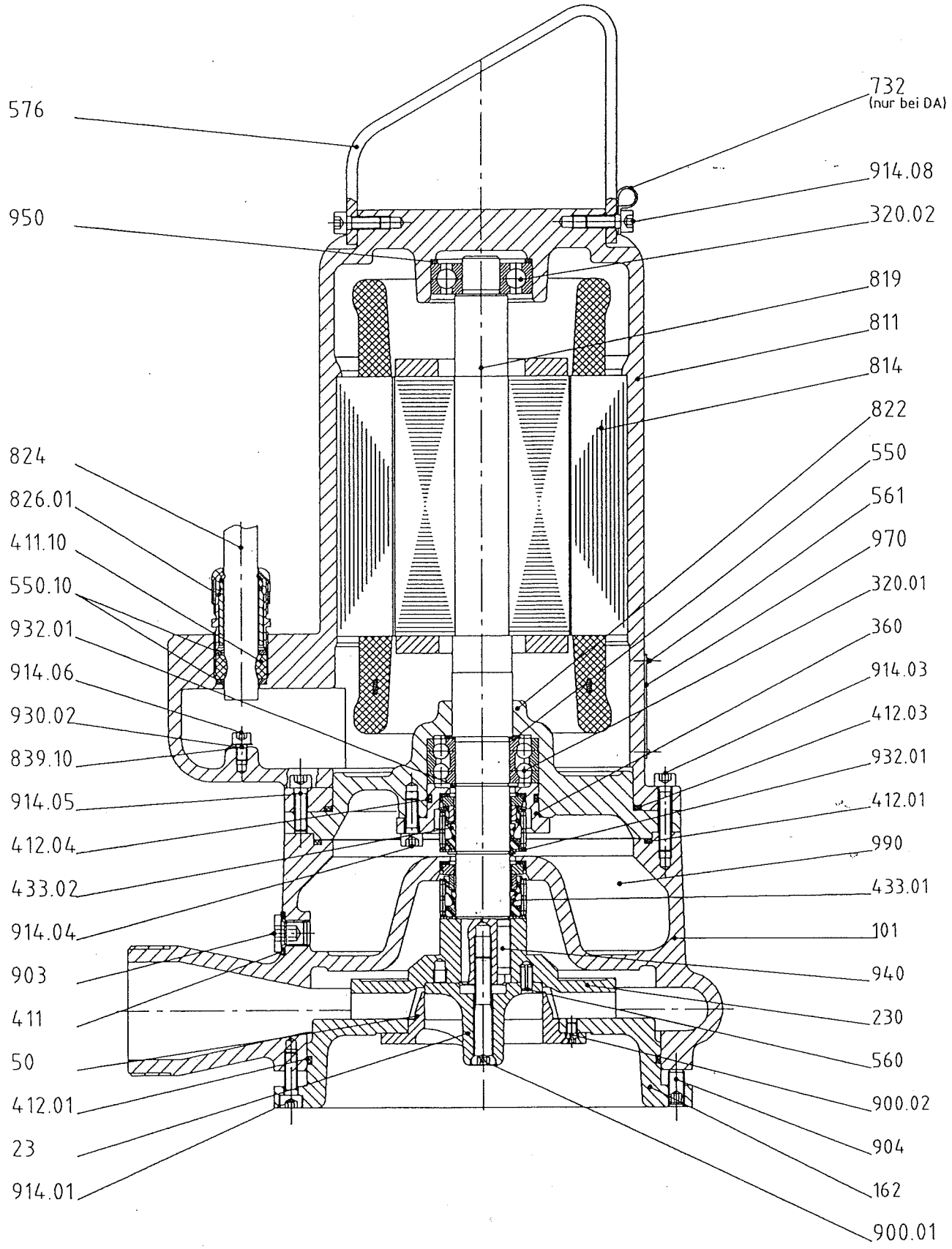
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Motorversion | | /C | | | | | |
| Power cable | | 10G1,5 | | | | | |
| Type of power cable | | H07RN-F | | | | | |
| Control cable | | | | | | | |
| Type of control cable | | | | | | | |
| Cable length | ft | 32.8 | | | | | |
| Weight aggregat | lb | 97 | | | | | |

## Materials

| | | | |
|---|---|---|---|
| Motor housing | Cast Iron ASTM A48;Cl.40B | Motor shaft | AISI 430 F Stainless Steel |
| Pump housing | Cast Iron ASTM A48;Cl.40B | Bolts | AISI 304 Stainless Steel |
| Motor bearing cover | Cast Iron ASTM A48;Cl.40B | O-Rings | Nitrile Rubber |
| Impeller | Cast Iron ASTM A48;Cl.40B | | |
| Cutting system | Hardened Stainless Stell HRC55 | | |

2.0 - 11.01.2008 (Build 137)

# GRP 34




Typical Cross Sectional Drawings. Job Specific Pumps may vary.
Homa PTI Reserves the right to change Product, Material or Design as required without notification.

# GRP 34
# Grinder Pumps
# 1 and 3 Phase

# Spare Parts

# SPGR- 34

*Effective: 6/1/05*
*Supercedes: New*

| | Item | Qty | Description | Part # |
|---|---|---|---|---|
| | | | GRP 34/1 & 34/3 Shared Parts | |
| | 23 | 1 | Cutting Rotor | 7340915 |
| | 101 | 1 | Volute | 6500351 |
| ③ | 320.01 | 1 | Roller Bearing | 3232050 |
| ③ | 320.02 | 1 | Roller Bearing | 3163033 |
| | 360 | 1 | Bearing Cover | 6220310 |
| | 411 | 1 | Sealing Ring (12 mm Plug) | 4281218 |
| ? | 412.01 | 2 | O-Ring | 3515030 |
| ? | 412.03 | 1 | O-Ring | 3513530 |
| ? | 412.04 | 1 | O-Ring | 3504630 |
| □ | 433.01 | 1 | Silicon Carbide Seal (L) | 3738251 |
| □ | 433.02 | 1 | Silicon Carbide Seal (U) | 3738251 |
| | 550 | 1 | Support Washer | 4235251 |
| | 560 | 1 | Dowel Pin | 4420513 |
| | 576 | 1 | Handle | 7200855 |
| | 811 | 1 | Motor Housing | See Side |
| | 822 | 1 | Lower Bearing Cover | 6230451 |
| | 824 | 1 | 30' Cable | See Side |
| | 826.01 | 1 | Pressure Screw | See Side |
| | 839.10 | 1 | Ring Terminal | 1210304 |
| | 900.02 | 3 | Socket Head Screw | 4087340 |
| | 903 | 1 | Plug (12 mm) | 4090805 |
| | 904 | 6 | Set Screw | 4092018 |
| | 914.03 | 4 | Screw | 4006302 |
| | 914.04 | 3 | Screw | 4006161 |
| | 914.05 | 3 | Screw | 4006122 |
| | 914.06 | 1 | Screw | 4005081 |
| | 914.08 | 2 | Screw | 4006162 |
| | 930.02 | 1 | Tooth Washer | 4279705 |
| | 932.01 | 2 | Circlip | 4347125 |
| | 940 | 1 | Impeller Key | 4460625 |
| | 950 | 1 | Compensating Disk | 3356290 |
| | **Consult Factory for Explosion Proof Pump Parts** | | | |

| | | | GRP 34/1 Parts Only | |
|---|---|---|---|---|
| | 50 | 1 | Cutting Ring | 7341585 |
| | 162 | 1 | Suction Cover | 6531161 |
| | 230 | 1 | Impeller (123 mm Dia.) | 6302971 |
| | 811 | 1 | Motor Housing | 6401641 |
| | 814 | 1 | Stator 230V | 1802522 |
| | 819 | 1 | Shaft & Rotor | 7100806 |

| Item | Qty | Description | Part # |
|---|---|---|---|
| | | GRP 34/1 Parts Only Cont'd | |
| 824 | 1 | 30' Cable 7x1.5 | 1041585-10 |
| 826.01 | 1 | Pressure Screw | 1317026 |
| Opt. | 1 | Start Relay | 19819167LF |
| Opt. | 1 | Start Capacitor | 1901501 |
| Opt. | 1 | Run Capacitor | 1900602 |
| 900.01 | 1 | Impeller Bolt | 4079950 |
| 914.01 | 6 | Screw | 4006202 |

| | | | GRP 34/3 Parts Only | |
|---|---|---|---|---|
| | 50 | 1 | Cutting Ring | 7340995 |
| | 162 | 1 | Suction Cover | 6531331 |
| | 230 | 1 | Impeller (125 mm Dia.) | 6302531 |
| | 811 | 1 | Motor Housing | 6400931 |
| | 814 | 1 | Stator 230/460V | 1802525 |
| | 819 | 1 | Shaft & Rotor | 7100805 |
| | 824 | 1 | 30' Cable 7x1.5 | 1041871-10 |
| | 826.01 | 1 | Pressure Screw | 1328521 |
| | 826.02 | 1 | Pressure Ring | 42053574 |
| | 826.03 | 1 | Grommet Rubber | 1328525 |
| | 900.01 | 1 | Impeller Bolt | 4079940 |
| | 914.01 | 6 | Screw | 4006162 |

| GRP 34/1 & 34/3 Accessories | | |
|---|---|---|
| Complete Auto-Coupling | | 8604005 |
| Auto-Coupling Components | | |
| | Base w/Integral Elbow | 6001291 |
| | Guide Claw Flange | 7322001 |
| | Upper Guide Rail Bracket | 7320261 |
| | Profile Seal | 7360406 |
| | Galv. Foundation Anchor Bolts | 60001295 |
| Ringstand | | 7321445 |
| IOM Manual | | GRP IOM |
| Seal Probes | | |
| | 12mm Single Wire- 30' Cable | 1585115-12 |
| | 12mm Double Wire-Ex 30' Cable | 1585130 |

| GRP 34/1 & 34/3 Kits | |
|---|---|
| O-Ring Kit - Components Marked (?) | 8801025 |
| Mech Seal Kit - Components Marked (□) | 8803020 |
| Bearing Kits - Components Marked (③) | 8802025 |

# CONTROL PANEL DATA

Revere Control Systems
ENGINEERED TO SERVE

# 5HP, 240 VAC Duplex Pump Control Panel

Flowery Branch, GA

## Submittal

**Customer**
KESCO, Inc.
Norcross, Georgia
Project No. 0808-002

**Vendor:**
Revere Control Systems, Inc.
2240 Rocky Ridge Road
Birmingham, Alabama 35216
Job No. J060500

**Date:**
September 2, 2008

# FLOAT SWITCHES

CONERY MFG INC

## Pump Duty Mercury Wide Angle Switch

Designed for accurate liquid level control in many applications including sewage and wastewater environments. The float switch can be utilized to signify specific water levels or for direct alarm actuation.

The float uses a steel tube mercury switch designed to operate under min/max temperature of 32 -170°f and has an electrical rating of 1/2 HP and 13 AMPS @ 120 VAC or 1 HP @ 240 VAC. The power cord is a chlorinated polyethylene type SJOOW-300 Volt on 16/2 for N/O or N/C switch or 16/3 for SPDT switch. Also, comes optional with a 120 VAC or 240 VAC piggyback plug.

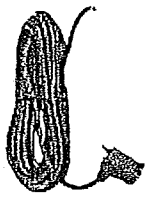
The float is constructed of a durable polypropylene outer shell and a solid polyurethane foam interior. It is tested and proven to be leak proof, shock proof, and impact resistant. For use with intrinsically safe circuits. The cord weight is made of zinc plated cast iron. At 1.22 lbs., the split weight design allows for easy adjustment, and a secure and permanent attachment to the cord.

*Normally open control duty float switch*

As the float rises 45° above horizontal, the contacts become open and actuate (turn on) the switch. This float is generally used in pump down applications.

**Single pole - single throw**

| 13 AMP @ 120/230 VAC - 1/2HP/1HP mercury switch | | 10' | 15' | 20' | 30' | 40' | 50' |
|---|---|---|---|---|---|---|---|
| 2900 - B1-S4 | Std bulb | $38.50 | $40.50 | $44.50 | $52.50 | $60.50 | $68.50 |
| 2900 - B2-S4 | Mini bulb | $38.50 | $40.50 | $44.50 | $52.50 | $60.50 | $68.50 |
| 2900 - B1-S4-C1 | Std bulb w/ cord weight | $43.00 | $45.00 | $49.00 | $57.00 | $65.00 | $73.00 |
| 2900 - B2-S4-C1 | Mini bulb w/ cord weight | $43.00 | $45.00 | $49.00 | $57.00 | $65.00 | $73.00 |
| 2900 - B1-S4-C3 | Std bulb w/ clamp - stainless band | $42.00 | $44.00 | $48.00 | $56.00 | $64.00 | $72.00 |
| 2900 - B2-S4-C3 | Mini bulb w/ clamp - stainless band | $42.00 | $44.00 | $48.00 | $56.00 | $64.00 | $72.00 |
| 2900 - B1-S4-C4 | Std bulb w/releasable tie strap | $41.00 | $43.00 | $47.00 | $55.00 | $63.00 | $71.00 |
| 2900 - B2-S4-C4 | Mini bulb w/releasable tie strap | $41.00 | $43.00 | $47.00 | $55.00 | $63.00 | $71.00 |

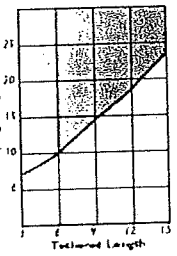


*Normally closed pump duty float switch*

As the float rises 45° above horizontal, the contacts become closed and actuate (turn off) the switch. This float is generally used in pump up applications.

**Single pole - single throw**

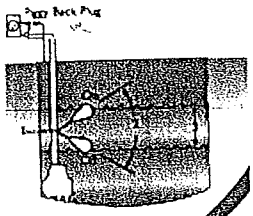
| 13 AMP @ 120/230 VAC - 1/2HP/1HP mercury switch | | 10' | 15' | 20' | 30' | 40' | 50' |
|---|---|---|---|---|---|---|---|
| 2901 - B1-S4 | Std bulb | $38.50 | $40.50 | $44.50 | $52.50 | $60.50 | $68.50 |
| 2901 - B2-S4 | Mini bulb | $38.50 | $40.50 | $44.50 | $52.50 | $60.50 | $68.50 |
| 2901 - B1-S4-C1 | Std bulb w/ cord weight | $43.00 | $45.00 | $49.00 | $57.00 | $65.00 | $73.00 |
| 2901 - B2-S4-C1 | Mini bulb w/ cord weight | $43.00 | $45.00 | $49.00 | $57.00 | $65.00 | $73.00 |
| 2901 - B1-S4-C3 | Std bulb w/ clamp - stainless band | $42.00 | $44.00 | $48.00 | $56.00 | $64.00 | $72.00 |
| 2901 - B2-S4-C3 | Mini bulb w/ clamp - stainless band | $42.00 | $44.00 | $48.00 | $56.00 | $64.00 | $72.00 |
| 2901 - B1-S4-C4 | Std bulb w/releasable tie strap | $41.00 | $43.00 | $47.00 | $55.00 | $63.00 | $71.00 |
| 2901 - B2-S4-C4 | Mini bulb w/releasable tie strap | $41.00 | $43.00 | $47.00 | $55.00 | $63.00 | $71.00 |




*Normally open/closed pump duty float switch*

A variation of the N/O & N/C, this float switch can be wired to operate as either (but not both) a normally open or normally closed switch based on the user's need. **Single pole - double throw (SPDT) - Plug option not available**

| 13 AMP @ 120/230 VAC - 1/2HP/1HP mercury switch | | 10' | 15' | 20' | 30' | 40' | 50' |
|---|---|---|---|---|---|---|---|
| 2902 - B1-S5 | Std bulb | $46.50 | $48.50 | $55.00 | $68.00 | $81.00 | $94.00 |
| 2902 - B2-S5 | Mini bulb | $46.50 | $48.50 | $55.00 | $68.00 | $81.00 | $94.00 |
| 2902 - B1-S5-C1 | Std bulb w/ cord weight | $51.00 | $53.00 | $59.50 | $72.50 | $85.50 | $98.50 |
| 2902 - B2-S5-C1 | Mini bulb w/ cord weight | $51.00 | $53.00 | $59.50 | $72.50 | $85.50 | $98.50 |
| 2902 - B1-S5-C3 | Std bulb w/ clamp - stainless band | $50.00 | $52.00 | $58.50 | $71.50 | $84.50 | $97.50 |
| 2902 - B2-S5-C3 | Mini bulb w/ clamp - stainless band | $50.00 | $52.00 | $58.50 | $71.50 | $84.50 | $97.50 |
| 2902 - B1-S5-C4 | Std bulb w/releasable tie strap | $49.00 | $51.00 | $57.50 | $70.50 | $83.50 | $96.50 |
| 2902 - B2-S5-C4 | Mini bulb w/releasable tie strap | $49.00 | $51.00 | $57.50 | $70.50 | $83.50 | $96.50 |




***Additional float switch options, packages, cable length, and plug options are available. Call for details.***



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2/21/20

http://www.conerymfg.com/Catalogs/index.html

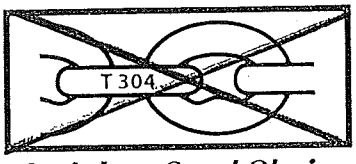
# CHAIN
# AND
# CHAIN ACCESSORIES

# Stainless Steel Chain

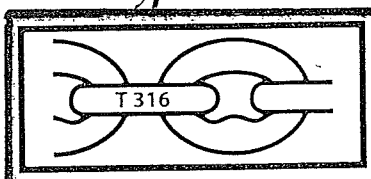
ADVANTAGE SALES & SUPPLY INC.

## Stainless Steel Proof Coil Chain

*Type ~~304~~, 316*




~~Stainless Steel Chain Type 304~~




Stainless Steel Chain Type 316

| Stock Number | | Size | Feet/Drum | Weight/Foot (lbs) | Working Load Limit (lbs) |
|---|---|---|---|---|---|
| SS 304 | SS 316 | | | | |
| SSPC125T304 | SSPC125T316 | 1/8 | 1,000 | 0.20 | 375 |
| SSPC187T304 | SSPC187T316 | 3/16 | 1,000 | 0.35 | 800 |
| SSPC250T304 | SSPC250T316 | 1/4 | 400 | 0.60 | 1,400 |
| ~~SSPC312T304~~ | SSPC312T316 | 5/16 | 275 | 0.88 | 1,800 |
| SSPC375T304 | SSPC375T316 | 3/8 | 200 | 1.40 | 2,800 |
| SSPC500T304 | SSPC500T316 | 1/2 | 100 | 2.43 | 4,500 |
| SSPC625T304 | SSPC625T316 | 5/8 | 75 | 3.90 | 6,800 |
| SSPC750T304 | SSPC750T316 | 3/4 | 100 | 5.51 | 9,500 |

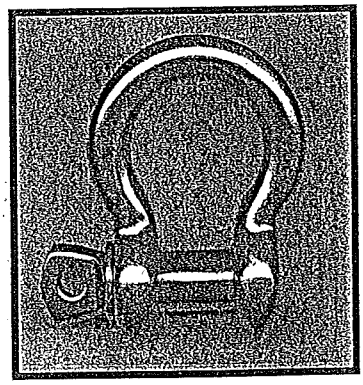
*Note: Stainless Steel proof coil chain is not suitable for overhead lifting.*

# ADVANTAGE SALES & SUPPLY INC. Stainless Steel Shackles

## Stainless Steel 316 Screw Pin Anchor Shackles

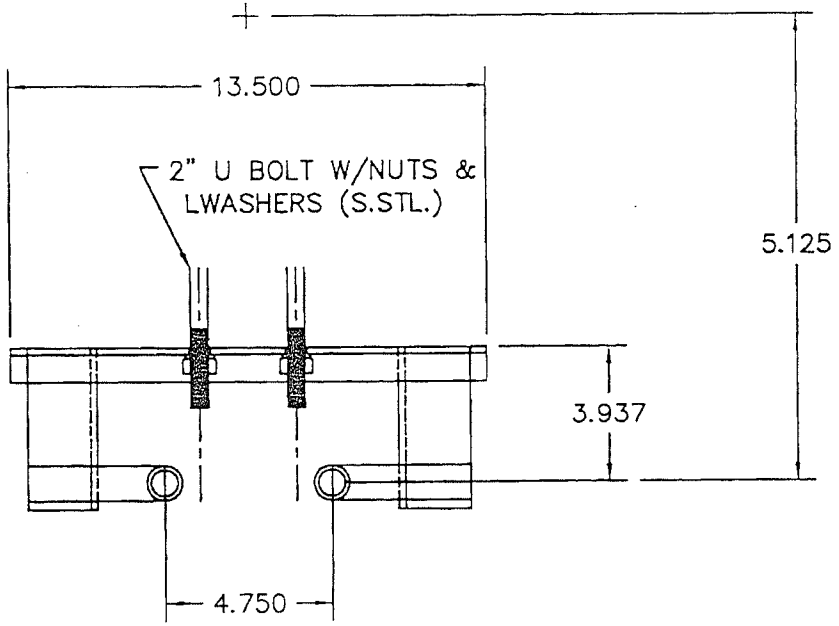
*With Oversize Pin*

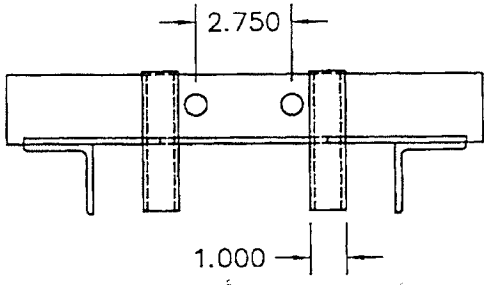
| Size | Stock Number | Working Load Limit (lbs) | Weight/Piece (lbs) |
|---|---|---|---|
| 3/16 | SSPA187 | 650 | 0.11 |
| 1/4 | SSPA250 | 1,000 | 0.12 |
| 5/16 | SSPA312 | 1,500 | 0.18 |
| 3/8 | SSPA375 | 2,000 | 0.31 |
| 7/16 | SSPA437 | 3,000 | 0.48 |
| 1/2 | SSPA500 | 4,000 | 0.68 |
| 5/8 | SSPA625 | 6,000 | 1.26 |
| 3/4 | SSPA750 | 8,000 | 2.10 |
| 7/8 | SSPA875 | 10,000 | 3.32 |
| 1 | SSPA100 | 12,000 | 4.80 |

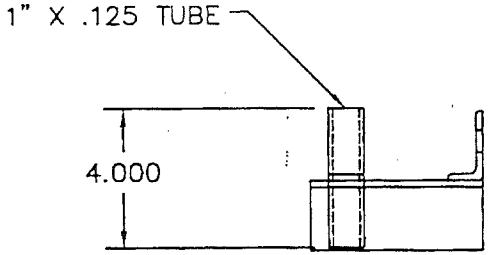


Stainless Steel Screw Pin Anchor Shackle

# INTERMEDIATE GUIDE RAIL BRACKET




HOMA

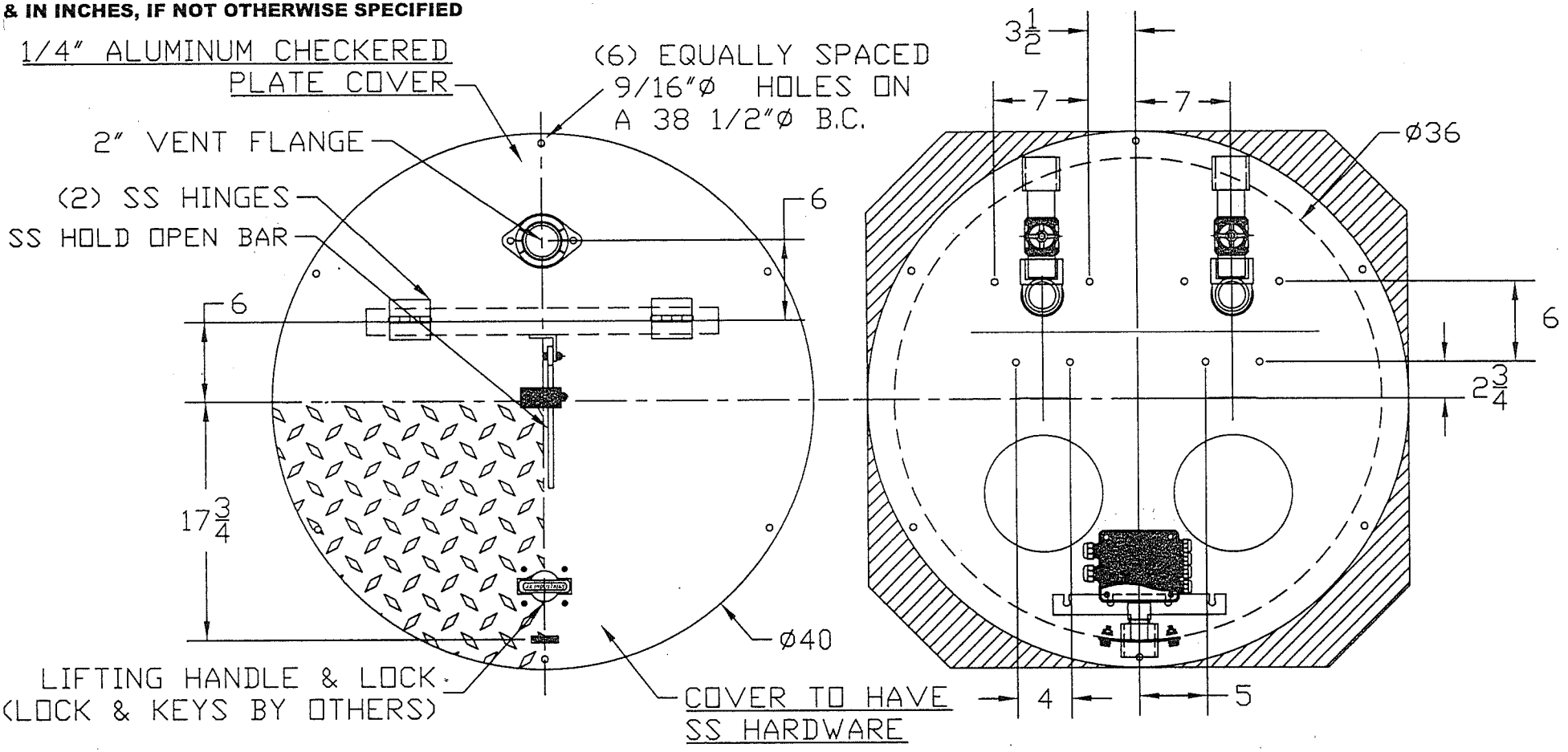
| | | |
|---|---|---|
| 7 | DATE | REVISION |
| 6 | DATE | REVISION |
| 5 | DATE | REVISION |
| 4 | DATE | REVISION |
| 3 | DATE | REVISION |
| 2 | DATE | REVISION |
| 1 | DATE | REVISION |
| | DATE | REVISION |

HALLIDAY PRODUCTS
ORLANDO FL.

| | | |
|---|---|---|
| SCALE .125 | SERIES U4DBNAIB 1 X 2 | STANDARD |
| DATE 1/24/06 | INTERMED. GUIDE RAIL BRACKET | OLD NO. |
| MATERIAL STAINLESS STEEL | | DWG. NO. U4DBNAIB |

# FIBERGLASS WETWELL BASIN

**NOTE: MEASUREMENTS OF BASINS ARE ALL I.D., & IN INCHES, IF NOT OTHERWISE SPECIFIED**




TO CUSTOMER:

EXAMINE THIS DRAWING CAREFULLY. VERIFY ALL DIMENSIONS, LOCATIONS, AND ELEVATIONS FOR ACCURACY. SIGN AND DATE AT LINE. ANY MODIFICATIONS OR CHANGES TO THIS DRAWING OR FINISHED PRODUCT, AFTER IT HAS BEEN SIGNED, MAY RESULT IN ADDITIONAL CHARGES AND SHIPPING DELAYS. NO JOB WILL BE STARTED UNTIL CONFIRMATION THROUGH SIGNATURE.

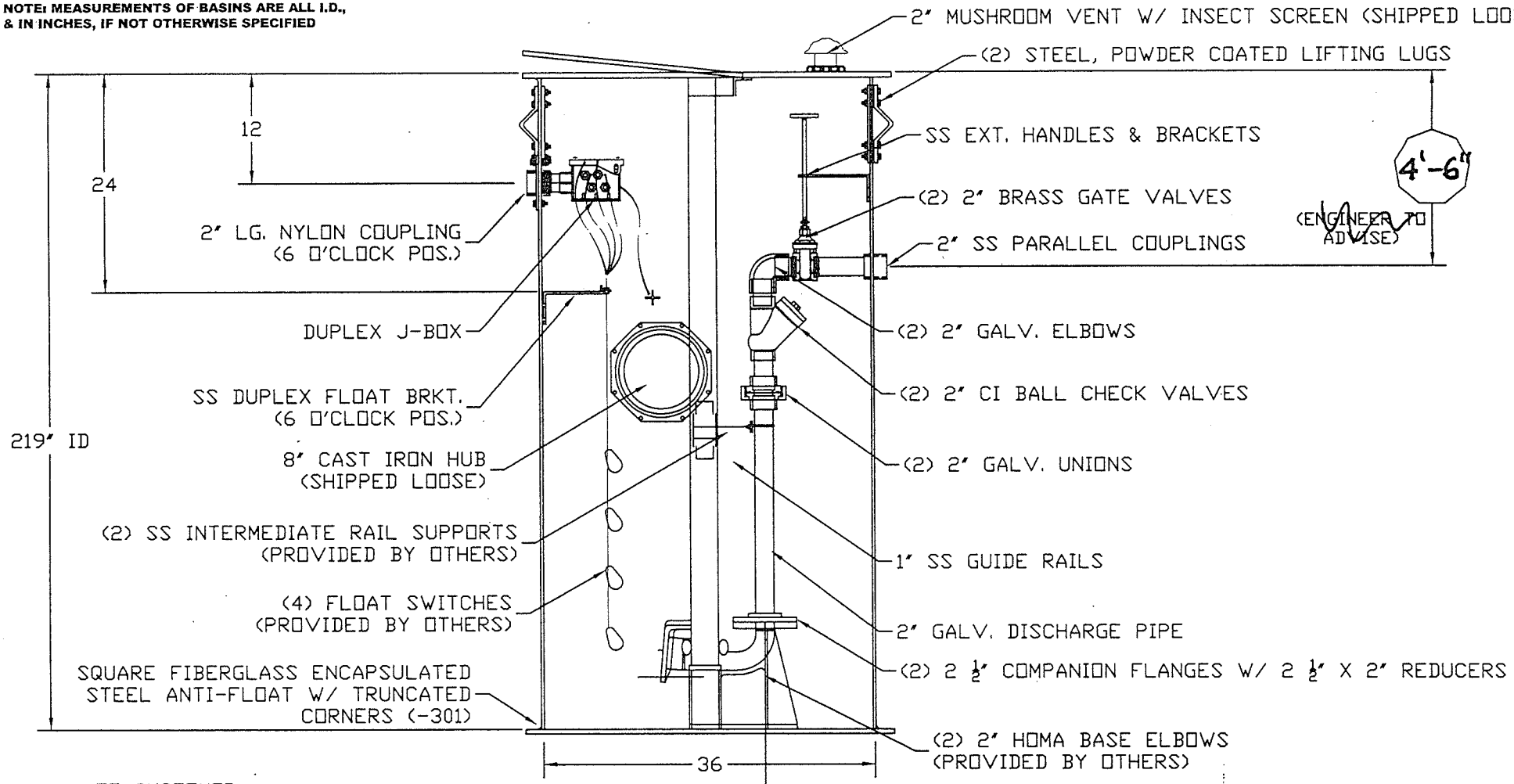
(REQUESTED SIGNATURE & DATE PER ABOVE)

CONFIRMATION THROUGH SIGNATURE RELEASES ORDER FOR PRODUCTION

| | | | | |
|---|---|---|---|---|
| DRAWN FOR: KESCO, INC. | PO# --- | DESCONNECTS: HOMA | SHEET 2 OF 2 | Revision 2 |
| | QUOTE # 28140 | PUMPS: --- | "THE BEST AROUND UNDERGROUND" | |
| JOB REFERENCE / Notes: --- | BASIN DESCRIPTION: 36 X 219 – 301 | DRAWN BY: D.PITTS | DATE: 9/03/08 | |
| | COVER DESCRIPTION: 1/4" ALUMINUM HDC | CHECKED BY: | DATE CHECKED: | |

PH: (574)-936-6022 FX: (574)-936-5811
WWW.AKINDUSTRIES.COM

NOTE: MEASUREMENTS OF BASINS ARE ALL I.D., & IN INCHES, IF NOT OTHERWISE SPECIFIED




TO CUSTOMER:

EXAMINE THIS DRAWING CAREFULLY. VERIFY ALL DIMENSIONS, LOCATIONS, AND ELEVATIONS FOR ACCURACY. SIGN AND DATE AT LINE. ANY MODIFICATIONS OR CHANGES TO THIS DRAWING OR FINISHED PRODUCT, AFTER IT HAS BEEN SIGNED, MAY RESULT IN ADDITIONAL CHARGES AND SHIPPING DELAYS. NO JOB WILL BE STARTED UNTIL CONFIRMATION THROUGH SIGNATURE.

(REQUESTED SIGNATURE & DATE PER ABOVE)

CONFIRMATION THROUGH SIGNATURE RELEASES ORDER FOR PRODUCTION

| | | | |
|---|---|---|---|
| DRAWN FOR: KESCO, INC. | PO# ---<br>QUOTE # 28140 | DESCONNECTS: HOMA<br>PUMPS: --- | SHEET 1 OF 2 Revision 2 |
| JOB REFERENCE / Notes: FLOWERY BRANCH | BASIN DESCRIPTION: 36 X 219 – 301<br>COVER DESCRIPTION: 1/4" ALUMINUM HDC | DRAWN BY: D.PITTS DATE: 9/03/08<br>CHECKED BY: DATE CHECKED: | |

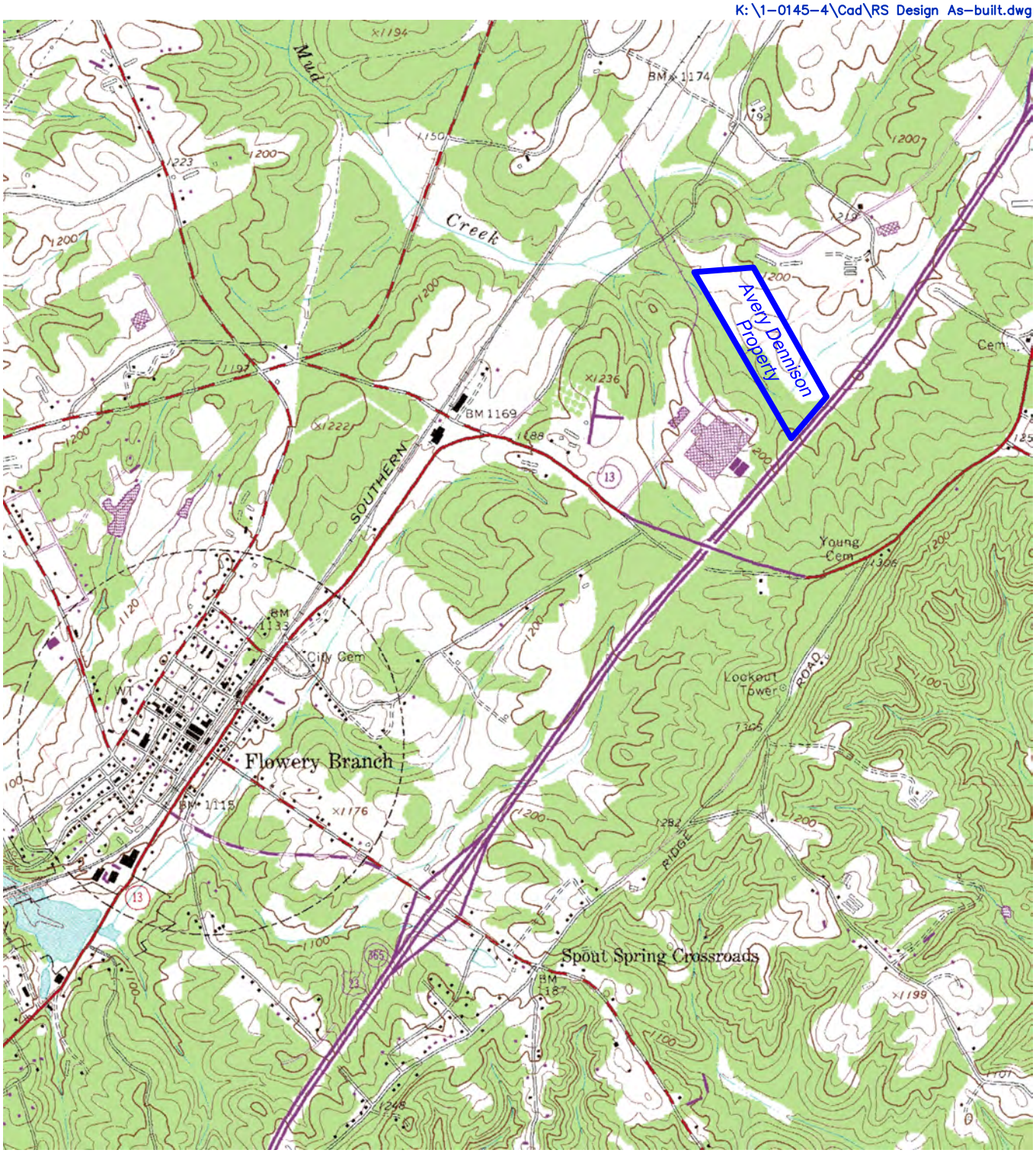

"THE BEST AROUND UNDERGROUND"

PH: (574)-936-6022 FX: (574)-936-5811
WWW.AKINDUSTRIES.COM

# Attachment 3

# Figures

K:\1-0145-4\Cad\RS Design As-built.dwg







SCALE 1:24000

1 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

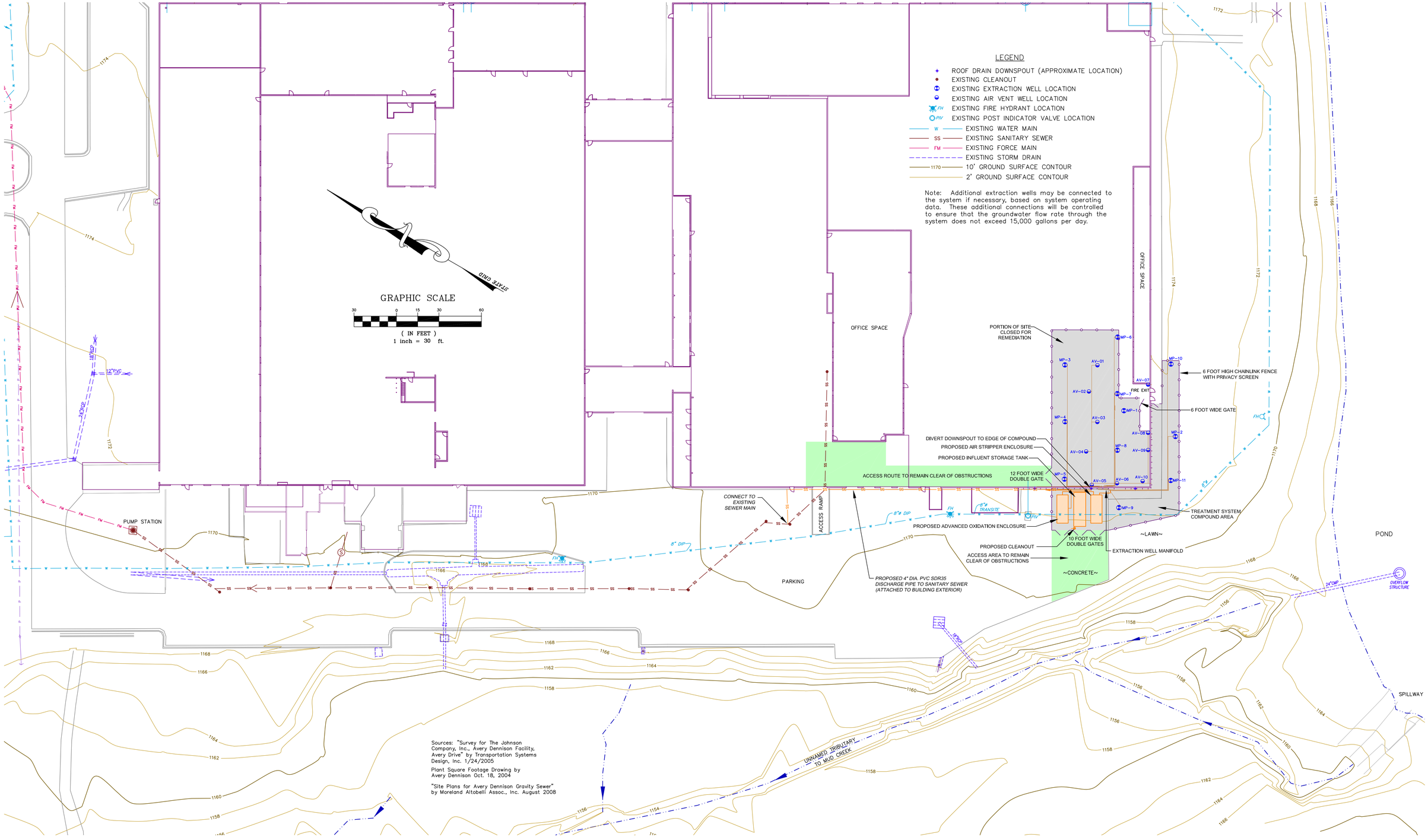
Source: USGS 7.5' Quadrangle FLOWERY BRANCH, GA 1973.

# FIGURE 1: PROPERTY LOCATION MAP
# AVERY DENNISON FACILITY
# FLOWERY BRANCH, GEORGIA


The Johnson Company

100 State Street, Suite 600
Montpelier, VT 05602


| | |
|---|---|
| Drawn by: TJK | Date: 03/16/12 |
| Chk'd by: PCS | Date: 03/16/12 |
| Scale: As Shown | Project: 1-0145-04 |




Sources: "Survey for The Johnson Company, Inc., Avery Dennison Facility, Avery Drive" by Transportation Systems Design, Inc. 1/24/2005

Plant Square Footage Drawing by Avery Dennison Oct. 18, 2004

"Site Plans for Avery Dennison Gravity Sewer" by Moreland Altobelli Assoc., Inc. August 2008

**DRAFT**

| REVISIONS | | | | | |
|---|---|---|---|---|---|
| # | Date | Drwn | Chk'd | App'd | Description |

PREPARED FOR: Avery Dennison Corporation
7 Bishop Street
Framingham, MA 01702

Job#: 1-0145-4

PREPARED BY: The Johnson Company
100 State Street, Suite 600
Montpelier, Vermont 05602
(802) 229-4600 phone
(802) 229-5876 fax
www.johnsonco.com
ENVIRONMENTAL SCIENCE AND ENGINEERING SOLUTIONS

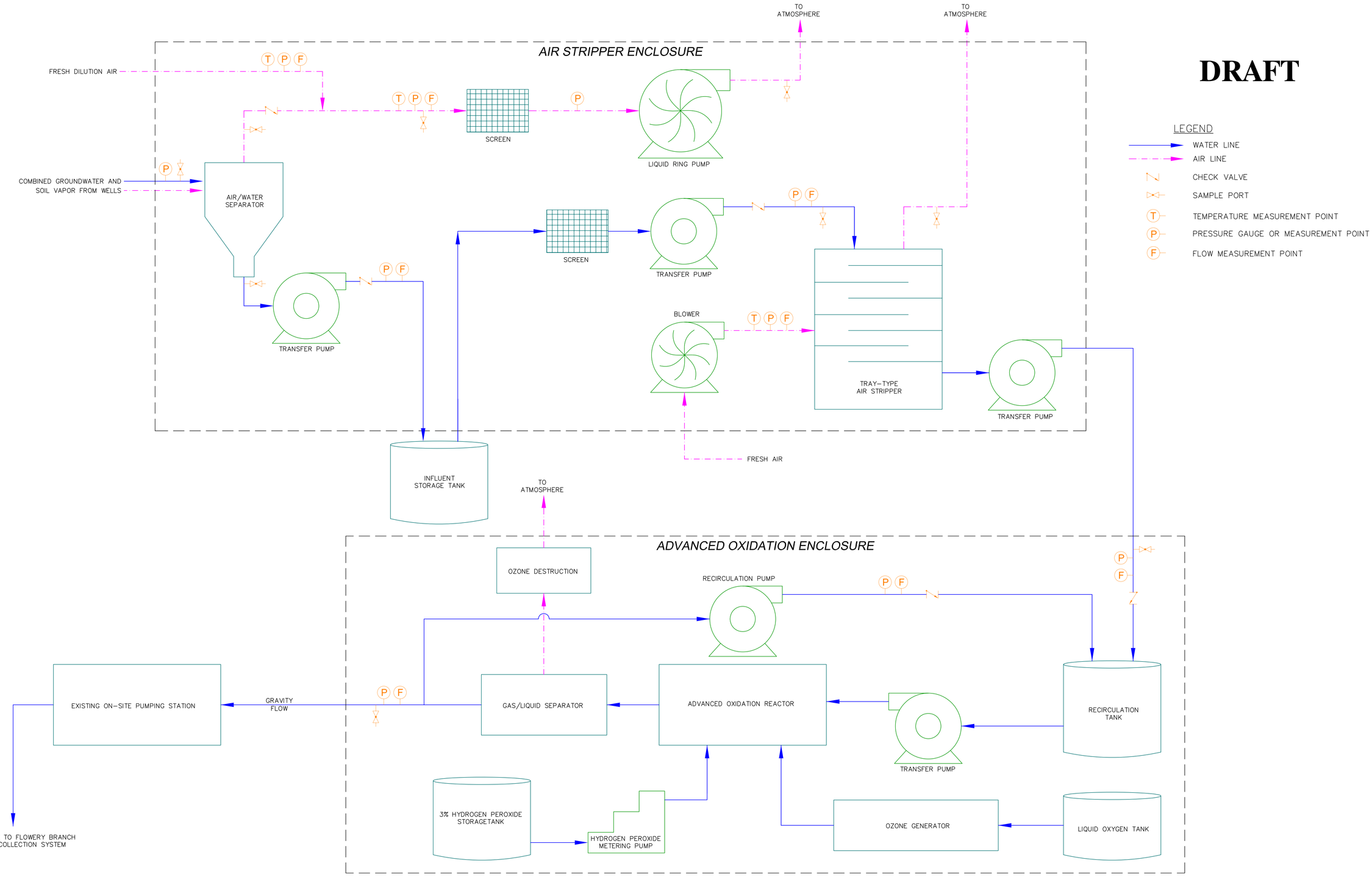
DRAWING
Scale: As Shown
Drawn On: 03/16/12
Drawn By: TJK
Checked On: 03/16/12
Checked By: PCS
Print Date:

TITLE
# FIGURE 2: PROPOSED SYSTEM LAYOUT MULTIPHASE EXTRACTION SYSTEM AVERY DENNISON FACILITY FLOWERY BRANCH, GEORGIA

SHEET 2 OF 3

K:\1-0145-4\Cad\RS Design Permit.dwg

# DRAFT




LEGEND

- WATER LINE
- AIR LINE
- CHECK VALVE
- SAMPLE PORT
- T — TEMPERATURE MEASUREMENT POINT
- P — PRESSURE GAUGE OR MEASUREMENT POINT
- F — FLOW MEASUREMENT POINT

| REVISIONS | | | | | |
|---|---|---|---|---|---|
| # | Date | Drwn | Chk'd | App'd | Description |

PREPARED FOR: Avery Dennison Corporation, 7 Bishop Street, Framingham, MA 01702

Job#: 1–0145–4


PREPARED BY: The Johnson Company
100 State Street, Suite 600
Montpelier, Vermont 05602
(802) 229-4600 phone
(802) 229-5876 fax
www.johnsonco.com
ENVIRONMENTAL SCIENCE AND ENGINEERING SOLUTIONS


DRAWING: Scale: None; Drawn On: 01/31/12; Drawn By: TJK; Checked On: 01/31/12; Checked By: PCS; Print Date:

TITLE: **FIGURE 3: PROCESS FLOW DIAGRAM MULTIPHASE EXTRACTION & TREATMENT SYSTEM AVERY DENNISON FACILITY FLOWERY BRANCH, GEORGIA**

SHEET 3 OF 3

K:\1–0145–4\Cad\RS Design Permit.dwg

# Attachment 4

# Sewer Discharge Approval from Flowery Branch

Flowery Branch

January 26, 2012

Glen Kirkpatrick
The Johnson Company
100 State Street, Suite 600
Montpelier, VT 05602

Dear Mr. Kirkpatrick:

Please allow this letter to confirm that the City of Flowery Branch has reached an agreement with the Avery Dennison Corporation to accept, once permitted by the State of Georgia, treated groundwater into the City's Publicly Owned Treatment Works (POTW). This agreement will allow Avery Dennison to send flows at a rate of up to 15,000 gallons per day from their location at 4350 Avery Drive, Flowery Branch, Georgia, to our treatment plant. As further proof of this agreement, I have included a copy of Resolution No. 11-015 and adopted minutes from the City Council meeting of December 15, 2011.

Should you need any additional information, please feel free to contact me at (770) 967-6371.

Respectfully,

Bill Andrew
City Manager

Enclosure:
Resolution No. 11-015
Meeting Minutes 12/15/11

C:
Bruce Martin

# CITY OF FLOWERY BRANCH
## Work Session
## Thursday, December 15, 2011 6:00 pm.

**CALL TO ORDER:** Mayor Mike Miller called the meeting to order at 6:03 p.m.

**IN ATTENDANCE:** Mayor Mike Miller, Council Members: Amanda Swafford, Chris Fetterman, Joe Anglin and Tara Richards were all present. Also in attendance were City Manager Bill Andrew, City Planner James Riker and City Attorney Ron Bennett

**ABSENT:** None

**PLEDGE OF ALLEGIANCE:** Council Member Tara Richards led the pledge of allegiance

**PUBLIC COMMENTS:**
Ms. Janet Upchurch of 5644 Nagshead Circle approached to thank Council Member Amanda Swafford for standing up for things that people believe in during her service to the City of Flowery Branch.

Mr. Craig Lutz of 8072 Sleepy Lagoon Way approached to thank Council Member Amanda Swafford for her service to the City of Flowery Branch. Mr. Lutz stated that he was glad that a person like Council Member Swafford was able to step in and finish the term that he had started.

Mr. Greg Lyons of 601 Tree Park Circle approached to express thanks to Council Member Swafford from the residents of Tree Park apartments for all of her efforts on their behalf.

**PRESENTATION:**
Council Member Fetterman presented a plaque to Council Member Swafford from the City of Flowery Branch acknowledging her service on the Council from September 2010 to December 2011.

Council Member Swafford stated that she has enjoyed her time on the Council and appreciated the support of the members of the community.

**UNFINISHED BUSINESS:**

- Hearing regarding business license for Flowery Branch Auction and Antiques

City Planner Riker stated that at the previous Council meeting, staff was directed to contact the business owner regarding the business license hearing being postponed to tonight. The business owner, Mr. Tom Schulte, is present at this meeting. The issue with this property is that back in the 90's, the use of the property changed. The code at the time would have required parking lot improvements. The City has been in contact with both the business and property owner regarding requested parking lot improvements for the last 18 months. About a year ago, the property owner indicated in a letter that he would make those improvements. The Council has been provided with a bullet point listing of actions taken on this case and a timeline of those activities. When auctions are held at this location, the attendees park randomly and even park in areas where parking should not be allowed.

make the City look pretty? Some people call the area on Atlanta Highway where this business is located the "Gateway to Flowery Branch". The real Gateway is off of Interstate 985.

Council Member Swafford reminded that a major merchant, Toasted and Tapped, closed in the downtown area of Flowery Branch this past Saturday.

- 2nd reading of Ordinance 461 – Water Conservation Separate and Master Meter Ordinance and Ordinance 462 – Water Conservation Car Wash Ordinance

City Planner Riker indicated that these ordinances are required to be adopted by the Metropolitan North Georgia Water Planning District. One comment at the last meeting was the Council wanted to know if we could require people with master meters now to install individual meters on change of ownership. There is not a legal foothold for the City to require that.

**DRAFT MINUTES:** City Clerk Burney presented the draft minutes from the December 1, 2011 City Council Meeting. Council Member Swafford stated that she had a few changes. On page 2, Ms. Spencer is referred to as Mr. Spencer in error and needs to be corrected in the paragraph. The address is Wade Road, not Waidel Road. In Ms. Smith's letter for the record, there needs to be a space between "60" and "dollars". On page 5, there should not be an apostrophe in "it's" in the comments made by Council Member Fetterman. The corrections will be incorporated.

**NEW BUSINESS:**

- Resolution 11-015 – Allow for leasing of sewer capacity by commercial users for a 24 month period at 15% of the regular rate

City Manager Andrew stated that Avery Dennison on Thurmon Tanner Parkway needs to lease some sewer capacity for a project they are working on. The resolution is to change the code so that other commercial businesses would have the same leasing opportunity if they needed to. There was a spill a few years ago on the property which went into the groundwater and that portion of the plant was shut down. The EPA has ordered Avery Dennison to clean up the site. There was a study completed which shows that there is a volatile organic compound in the groundwater. There are 10 wells on the site which will be drawing out the groundwater and spray air through the water at a high rate, which is called "airstripping". This resolution would allow Avery Dennison to get sewer capacity at a discounted rate for the duration of the project, which is not expected to last more than 24 months. This resolution would allow other businesses the same pricing opportunity, but it is doubtful that it would be used by anyone else. Initially, the water will be tested every 2 weeks to verify the contaminants are gone. This would be for a total of 3 months. EPD feels that due to instability of the volatile organic compound; there is a very small chance of contamination. Bob Troxler, a consultant for the City on sewer matters, stated that he feels the study is very detailed and there is very little risk to the City water. Once the site is cleaned up, the adjacent properties would be more desirable and may sell quicker. Work on this project would begin in January 2012.

**CITY MANAGER REPORT:** None

**CITY CLERK REPORT:**
City Clerk Burney indicated that she had given a list to the Council members of the Council meeting dates for 2012, based on meetings being on the first and third Thursdays.

**CITY OF FLOWERY BRANCH**
**Council Meeting**
**Voting Session**
**Immediately following Work Session**
**Thursday, December 15, 2011**

**OPEN VOTING SESSION:**
Mayor Mike Miller opened the Voting Session at 7:06 p.m.

**CONSENT AGENDA:**
Consider – Draft meeting minutes from December 1, 2011

**Motion: Joe Anglin**
**Second: Chris Fetterman**
Discussion: None
**Unanimous**

**NEW BUSINESS:**

- Consider – Hearing regarding business license for Flowery Branch Auction and Antiques

**Council Member Anglin made a motion to have some sort of a land plan approved and actually started by the specific date of April 5. To clarify, this would be for work to actually begin by April 5.**

**Council Member Anglin clarified his motion: motion to have a land plan submitted and work to actually begin by April 5 on the property of Flowery Branch Auction and Antiques.**

City Planner Riker verified that two different plans have been submitted to the City, but neither plan has been approved. The first plan needed some further work, but is workable. The second plan, which was submitted, last week, does not meet the code.

Council Member Richards requested City Planner Riker clarify what "approval of a plan" would entail in this case. City Planner Riker stated that the process would be that the City would evaluate the provided plan. The plan would then be sent to GDOT for their evaluation. The state will not allow a parking lot to be improved and have the water dumped onto a state highway. The plan would be shared with the Council for approval. There might need to be a variance on the property, which would require a public hearing. In this situation, an approved plan is more important than work beginning on the project because there are other agencies involved. City Planner Riker suggested the motion be for a date for the plan to be submitted.

Council Member Anglin verified that one plan has already been submitted by Mr. Bailey, but that it was pulled back by a letter from Mr. Bailey's attorney. City Attorney Bennett stated that neither plan that has been provided has been submitted to GDOT. The first plan submitted was what the engineer thought would work and the second plan submitted was what Mr. Bailey wanted to do.

City Manager Andrew stated that if the Council wants to be a part of the approval of the plan, the process could drag on for quite some time. The staff is trying to follow an older code for the

At the request of Mayor Miller, City Clerk Burney did the vote as a roll call vote.
**Council Member Swafford: No**
**Council Member Fetterman: No**
**Council Member Anglin: Yes**
**Council Member Richards: Yes**
**As there was a tie, Mayor Miller voted to break the tie.**
**Mayor Miller: Yes**
**Motion passes with a 3-2 vote.**

- Consider – Second reading of Ordinance 461 – An ordinance to amend Chapter 50 Utilities Sections 50-17 and 50-18 of the adopted Municipal Code relating to separate meter and master meter requirements; to provide for an effective date; to repeal conflicting ordinances and for all other lawful purposes.

**Motion: Chris Fetterman**
**Second: Joe Anglin**
Discussion: None
**Unanimous**

- Consider – Second reading of Ordinance 462 – An ordinance requiring new commercial conveyor car washes to install recycled water systems; to provide for codification; to provide for an effective date; to repeal conflicting ordinances and for all other lawful purposes.

**Motion: Joe Anglin**
**Second: Tara Richards**
Discussion: None
**Unanimous**

- Consider – Resolution 11-015 – Establishes the amount of use rates for water and sewer service, the amount of connection fees for water service and the amount of connection/capacity fees for sewer service; repealing conflicting resolutions; providing for severability; providing for an effective date; and for all other lawful purposes. In particular the amendment found on page 6 which creates a capacity fee category for non-residential temporary sewer users. It permits them to purchase capacity for the temporary use of sewer for up to 24 months at a rate equal to 15% of the non-residential sewer rate.

**Motion: Amanda Swafford**
**Second: Chris Fetterman**
Discussion: Council Member Fetterman verified with City Manager Andrew that 24 months is not the proposed time frame for the project, just the maximum amount of time that was requested to cover any problems that may be encountered. The amount being used is 10,000 to 15,000 gallons a day. City Attorney Bennett stated that the ordinance provides for a yearly permit and a refund mechanism.
**Unanimous**

Council Member Fetterman made a motion to adjourn the meeting at 7:29 p.m.
**Motion: Chris Fetterman**
**Second: Joe Anglin**
Discussion: None
**Unanimous**

## Adjournment:

James "Mike" Miller - Mayor

1-5-12
Dated

Marja Burney – City Clerk

**RESOLUTION NO. 11-015**

**A RESOLUTION ESTABLISHING THE AMOUNT OF USE RATES FOR WATER AND SEWER SERVICE, THE AMOUNT OF CONNECTION FEES FOR WATER SERVICE AND THE AMOUNT OF CONNECTION/CAPACITY FEES FOR SEWER SERVICE; REPEALING CONFLICTING RESOLUTIONS; PROVIDING FOR SEVERABILITY; PROVIDING FOR AN EFFECTIVE DATE; AND FOR ALL OTHER LAWFUL PURPOSES.**

**WHEREAS**, the City of Flowery Branch is authorized by Art. IX, §II, ¶ III of the Constitution of the State of Georgia, O.C.G.A. § 36-35-3 and Art. VI, § 6.6 of the Charter of the City of Flowery Branch to assess and collect fees, charges and tolls for sewer, sanitary, health services or any other services within and without the corporate limits of the city for the total cost to the city of providing such services; and

**WHEREAS**, Ordinance No. 100-F authorizes the City Council of the City of Flowery Branch to set the amounts of rates for water and sewer service use, connection fees for water service and connection/capacity fees for sewer service by resolution.

**NOW THEREFORE BE IT RESOLVED** by the City Council of the City of Flowery Branch that the rates for water and sewer service use, the connection fees for water service and the connection/capacity fees for sewer service shall be as follows:

**Section 1. Water and Sewer Use Rates**

# WATER USE RATES

## I. Within the Corporate Limits

### A. Residential Water Users

1. Single Family Residential Water Users

| | |
|---|---|
| 0 – 1,000 gallons | $5.64 minimum charge |
| 1,001 – 2,500 gallons | $14.10 minimum charge |
| 2,501 – 4,500 gallons | $25.38 minimum charge |
| Tier 2 – 4,501 to 7,500 gallons | $7.05 per 1,000 gallons |
| Tier 3 – 7,501 gallons and over | $8.46 per 1,000 gallons |

2. Multi-Family Residential Water Users (Per Unit Rates)*

| | |
|---|---|
| 0 - 3,355 gallons | $18.92 minimum charge |
| Tier 2 – 3,356 to 7,500 gallons | $7.05 per 1,000 gallons |
| Tier 3 – 7,501 gallons and over | $8.46 per 1,000 gallons |

### B. Non-Residential Water Users

| | |
|---|---|
| 0 – 7,000 gallons | $25.41 minimum charge |
| Tier 2 – 7,001 to 60,000 gallons | $4.54 per 1,000 gallons |
| Tier 3 – 60,001 gallons and over | $5.45 per 1,000 gallons |

## II. Outside the Corporate Limits

### A. Residential Water Users

1. Single Family Residential Water Users

| | |
|---|---|
| 0 – 1,000 gallons | $7.51 minimum charge |
| 1,001 – 2,500 gallons | $18.78 minimum charge |
| 2,501 – 4,500 gallons | $33.80 minimum charge |
| Tier 2 – 4,501 to 7,500 gallons | $9.39 per 1,000 gallons |
| Tier 3 – 7,501 gallons and over | $11.27 per 1,000 gallons |

2. Multi-Family Residential Water Users (Per Unit Rates)

| | |
|---|---|
| 0 - 3,355 gallons | $25.20 minimum charge |
| Tier 2 – 3,356 to 7,500 gallons | $9.39 per 1,000 gallons |
| Tier 3 – 7,501 gallons and over | $11.27 per 1,000 gallons |

### B. Non-Residential Water Users

| | |
|---|---|
| 0 – 7,000 gallons | $33.74 minimum charge |
| Tier 2 – 7,001 to 60,000 gallons | $6.03 per 1,000 gallons |
| Tier 3 – 60,001 gallons and over | $7.23 per 1,000 gallons |

* For multi-family residential water users utilizing a master meter, the above per unit rate shall be based on a quarterly talley of occupancy for the first of each month on January, April, July and October. This information should be in the possession of the City of Flowery Branch by the 15th of each month's so the bill may properly reflect occupancy.

# SEWER USE RATES

## I. Within the Corporate Limits

### A. Residential Sewer Users

1. Single Family Residential Sewer Users

| | |
|---|---|
| 0 – 1,000 gallons | $6.77 minimum charge |
| 1,001 – 2,500 gallons | $16.93 minimum charge |
| 2,501 – 4,500 gallons | $30.47 minimum charge |
| 4,501 gallons and over | $6.77 per 1,000 gallons |

2. Multi-Family Residential Sewer Users (Per Unit)

| | |
|---|---|
| 0 – 3,355 gallons | $22.71 minimum charge |
| 3,356 gallons and over | $6.77 per 1,000 gallons |

### B. Non-Residential Sewer Users

| | |
|---|---|
| 0 – 7,000 gallons | $30.52 minimum charge |
| 7,001 gallons and over | $4.36 per 1,000 gallons |

## II. Outside the Corporate Limits

### A. Residential Sewer Users

1. Single Family Residential Sewer Users

| | |
|---|---|
| 0 – 1,000 gallons | $9.01 minimum charge |
| 1,001 – 2,500 gallons | $22.53 minimum charge |
| 2,501 – 4,500 gallons | $40.55 minimum charge |
| 4,501 gallons and over | $9.01 per 1,000 gallons |

2. Multi-Family Residential Sewer Users (Per Unit)

| | |
|---|---|
| 0 – 3,355 gallons | $30.23 minimum charge |
| 3,356 gallons and over | $9.01 per 1,000 gallons |

## B. Non-Residential Sewer Users

| | |
|---|---|
| 0 – 7,000 gallons | $40.53 minimum charge |
| 7,001 gallons and over | $5.79 per 1,000 gallons |

**Section 2. Account Service Fees**

Customers receiving Account Statements for Water and Sewer will be charged $2.75 per month, while customers receiving Account Statements for only water or only sewer will be charged $1.65 per month.

**Section 3. Hardship Rates**

SENIOR CITIZENS: Upon making written application on such forms as provided by the City Manager, a discount of $10.00 monthly will be applied to any water bill exceeding 2,500 gallons per month in usage and in which the head of the household is 65 years of age or older. The applicant must also verify through their latest tax return that total household income is less than 125% of the City's Poverty Rate as determined by the US Census Bureau.

DISABLED: Upon making written application on such forms as provided by the City Manager, a discount of $10.00 monthly will be applied to any water bill exceeding 2,500 gallons per month and in which the head of the household has been declared disabled by the US Social Security Administration or the US Department of Veterans Affairs. The applicant must also verify through their latest tax return that total household income is less than 125% of the City's Poverty Rate as determined by the US Census Bureau.

**Section 4. One-Time Water Leak Adjustment**

Upon repairing a leak a customer may receive an adjustment to the water bill or bills (two consecutive months) that covered the time of the leak. The customer remains responsible for their regular bill and ½ of the leak amount. It is important that the customer understand that the one time leak adjustment is available for an account holder only one time. The customer must provide either a copy of the plumber bill or copies of receipts for the repair to be given the **one time** water leak adjustment.

Only Single Family Residential customers are eligible for the One Time Leak Adjustment Policy. It does not apply to Commercial accounts.

It is important to note that this adjustment **does not** apply to sewer billings for a leak that did **not go into the sewer**. If the water leaked prior to entering the sewer line, you can give the customer an adjustment for the sewer portion of the bill. You may adjust the bill back to the customer's normal sewer billing. A sewer credit can be issued once a year for a maximum of three consecutive months (this is to encourage the customer to make the necessary repairs). The type of customer (residential or commercial) is not relevant to determine if the customer is eligible for the sewer adjustment. All classes of customers are eligible for the sewer credit.

**Section 5. Tampering and Disconnection Fees**

Service that has been scheduled for disconnection or has been disconnected for non-payment of a utility bill will be restored only after the past month and current month bill is paid in full and a $20.00 service charge paid.

Evidence of removing or damaging a lock that has been placed on a meter for non-payment of service will require the City of Flowery Branch to remove the meter from the service address. Service will be restored only after the past month and current month bill is paid in full, a $50.00 tampering fee is paid in full, a $20.00 lock replacement fee is paid in full and a $ 20.00 service charge paid in full.

Evidence of tampering with a meter after service has been disconnected for non-payment of a utility bill will require the City of Flowery Branch to remove the meter from the service address. Service will be restored only after the past month and current month bill is paid in full, a $50.00 tampering fee is paid in full and a $ 20.00 service charge paid in full.

**Section 6. Water Connection Fees.**

**RESIDENTIAL WATER CONNECTION FEES**
**(Fees Are Per Connection)**

| Tap Size/Meter Size In Inches | Tap/Meter and Sizing (TMS) | Administration Fee (A) | Total |
|---|---|---|---|
| ¾ | $4,500.00 | $50.00 | $4,550.00 |
| Larger Than ¾ | To be negotiated and approved by the City of Flowery Branch | $50.00 | TMS+A |

**NON-RESIDENTIAL WATER CONNECTION FEES**
**(Fees Are Per Connection)**

| Tap Size/Meter Size In Inches | Tap/Meter and Sizing (TMS) | Administration Fee (A) | Total |
|---|---|---|---|
| ¾ | $2,000.00 | $50.00 | $2,050.00 |
| 1.0 | $3,220.00 | $50.00 | $3,270.00 |
| 1.5 | $6,200.00 | $50.00 | $6,250.00 |
| 2.0 | $9,200.00 | $50.00 | $9,250.00 |
| 3.0 | Cost of Meter Plus $16,500.00 | $50.00 | TMS+A |
| 4.0 | Cost of Meter Plus $26,000.00 | $50.00 | TMS+A |
| 6.0 | Cost of Meter Plus $52,000.00 | $50.00 | TMS+A |
| Larger Than 6.0 | To be negotiated and approved by the City of Flowery Branch | $50.00 | TMS+A |

**Section 7. Sewer Connection/Capacity Fees.**

**RESIDENTIAL SEWER CONNECTION/CAPACITY FEES**
**(Fees Are Per Connection)**

| Tap Size/Meter Size In Inches | Tap/Meter and Sizing (T, M and S) | Administration Fee (A) | Total |
|---|---|---|---|
| ¾ | $4,500.00 | $50.00 | $4,550.50 |
| Larger Than ¾ | To be negotiated and approved by the City of Flowery Branch | $50.00 | TMS+A |

**NON-RESIDENTIAL SEWER CONNECTION/CAPACITY FEES**

The sewer connection/capacity fee for non-residential users is Twenty Two and No/100 Dollars ($22.00) per gallon subject to the following exceptions:

*Restaurants.* The sewer connection/capacity fees for restaurants as defined by the City of Flowery Branch Zoning Code which are located within the corporate boundary of the City of Flowery Branch shall be in accordance with the following chart:

| | |
|---|---|
| With a license to sell distilled spirits by the drink | $10.00 per gallon |
| With a license to sell beer and/or wine for consumption on the premises | $16.00 per gallon |
| With no license to sell any alcoholic beverage on the premises | $22.00 per gallon |

If any restaurant shall fail to obtain a license to sell alcoholic beverages on the premises for any reason, the difference in the sewer connection/capacity fee shall be paid to the City of Flowery Branch.

*Non-Residential Temporary Sewer Users.* The sewer connection/capacity fee for the temporary use of sewer service for up to 24 months shall be equal to 15% of the sewer connection/capacity fee for non-residential users.

**Section 8. Repeal of Conflicting Resolutions.** Any part of any prior resolutions in conflict with the terms of this Resolution, are hereby repealed to the extent of the conflict; but it is hereby provided, that any resolution, ordinance or law which may be applicable hereto and aid in carrying out and making effective the intent, purpose and provisions hereof, is hereby adopted as a part hereof and shall be legally construed to be in favor of upholding this Resolution on behalf of the City of Flowery Branch.

**Section 9. Severability.** If any paragraph, subparagraph, sentence, clause, phrase or any portion of this Resolution shall be declared invalid or unconstitutional by any court or competent jurisdiction or if the provisions of any part of this Resolution as applied to any particular situation or set of circumstance shall be declared invalid or unconstitutional, such invalidity shall not be construed to affect the portions of this Resolution not so held to be invalid, or the application of the Resolution to other circumstances no so held to be invalid. It is hereby declared to be the intent of the City Council of the City of Flowery Branch to provide for separate and divisible parts, and it does hereby adopt any and all parts hereof as may not be held invalid for any reason.

**Section 10. Effective Date.** This Resolution shall become effective the date it is adopted by the Council of the City of Flowery Branch.

SO RESOLVED

James Miller, Mayor

ATTEST:

Marja Burney, City Clerk

APPROVED AS TO FORM:

Ron Bennett, City Attorney

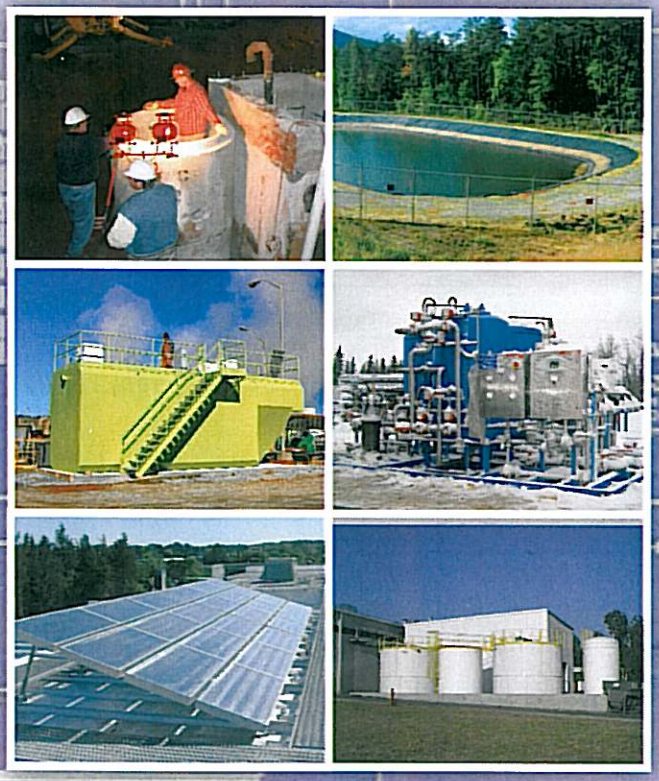
# Attachment 5

# Statement of Qualifications and Proposal from Complete Water Services LLC

Complete Water Services, LLC

Water for the 21st Century

# A Comprehensive Approach to Water and Wastewater Management



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Complete Water Services, LLC

Corporate Profile

# Corporate Profile

The increasing demand on water supplies has created the need for innovative solutions to community, industrial and public water treatment challenges. The Complete Water Services (CWS) group of professionals offers a powerful combination of experience and expertise:

- Water Usage
- Water Supply
- High Purity Systems
- Process Treatment
- Corrosion Control
- Treatment of Wastewater
- Reuse / Recycle Options

## Services include:

- Treatment System Design
- Treatment Equipment/Components
- Treatment System Integration
- Installation
- Construction
- Consulting, Training and Trouble Shooting
- Operational Services
- Custom Fabricated Skid/Package Systems
- Licensed General and Utility Contractors






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Complete Water Services, LLC

**Skid Mounted Package Systems**

# Skid Mounted Package Systems for Water and Wastewater Treatment

We specialize in providing customized pre-assembled water and wastewater treatment systems that simplify field construction activities. Our systems include package pumping and filtration systems, pH adjustment systems, membrane systems, high purity systems and packaged sanitary wastewater treatment systems.

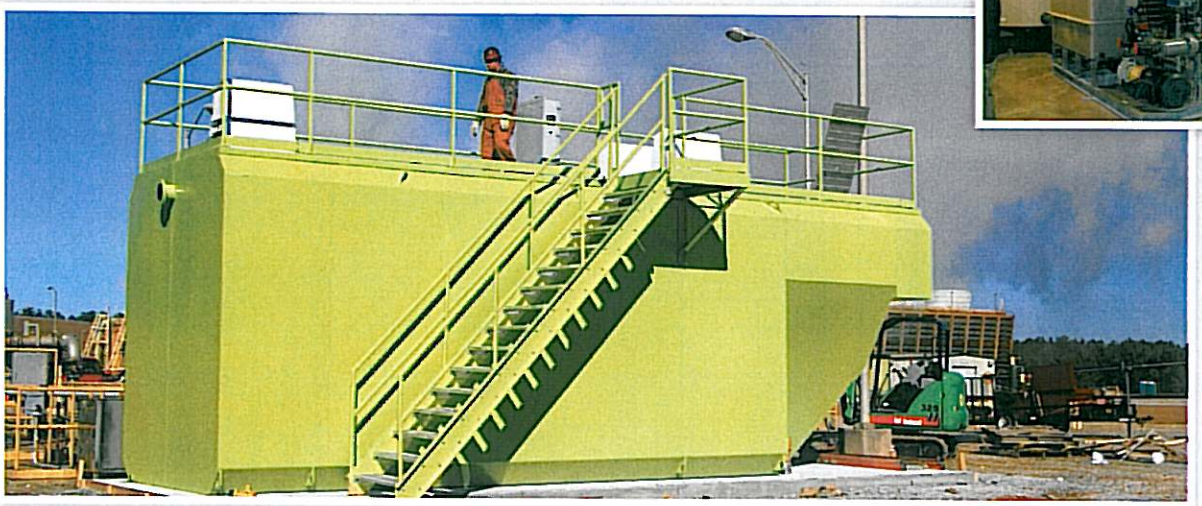
CWS offers multiple treatment options including;

- pH Adjustment
- Iron Filtration Systems
- Dissolved Air Flotation
- Precipitation and Clarification
- Oil Water Separators
- Membrane Filtration Systems
- Water Softeners
- Package Sanitary Wastewater Systems









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Complete Water Services, LLC

**Oil Fields Skid Mounted Package Systems**

# Oil Fields Skid Mounted Package Systems for Water and Wastewater Treatment



With the current global energy situation, more and more, energy companies are making the most out of existing oil fields. Enhanced Oil Recovery (EOR) is a recovery technique that alters the original properties of the oil to increase the productive life of an oil reservoir.

- Polymers help control the mobility of injected water in EOR applications
- Polymer flooding improves the volumetric sweep efficiency, reduces channeling, and reduces breakthrough
- Polymers can be used with surfactants and alkali agents to increase the sweep efficiency

Polymer injection EOR requires dilution water of a specific quality for polymer activation. CWS can develop skid-mounted treatment systems specific to the source water used in these applications to meet the quality needs of the polymer.

- Iron Filtration Systems
- Dissolved Air Flotation
- Induced Gas Flotation
- Precipitation and Clarification
- Oil Water Separators
- Nutshell Filters
- Membrane Filtration Systems





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Complete Water Services, LLC

**Rain Water Harvesting**

# Finding Real Value in Rain Water



It has never been more important to work for environmental sustainability. Harvesting rain is a practice that has been around for centuries. Cisterns and other rain harvesting systems are widely used in Europe, Africa, Australia, India, the Bahamas, and countless remote countries - many who depend solely on rain for day to day life. Today right here in the USA, we too can successfully harvest rainwater to meet many of our needs.

Anyone, from the individual who wants to use stored rain for watering plants to large companies that use grey water in toilets and sinks, can make a difference. There is a large array of rainwater catchment systems available.

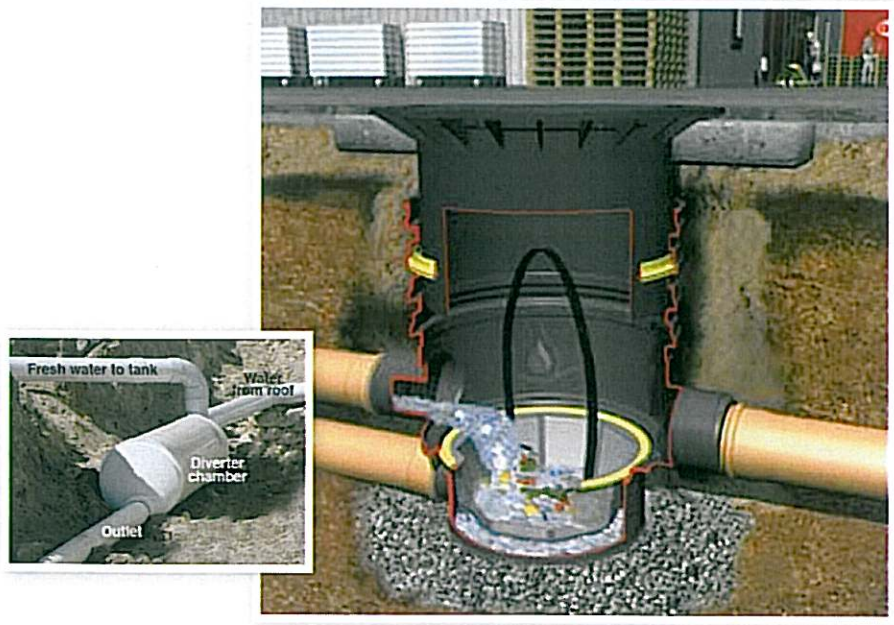
Rainwater harvesting systems provide distributed storm water runoff containment while simultaneously storing water which can be used for irrigation, flushing toilets, washing clothes, washing cars, pressure washing, or it can be purified for use as everyday drinking water.

Small steps can make a huge impact. The Complete Water Services (CWS) team of professional water treatment experts will help you design the optimal rain water harvest system to meet your specific needs. We will supply the equipment and guidance in designing the ideal filtration system to meet your needs.



From a simple barrel system to a complex underground rain water catchment system to selecting the right filtration and processing systems, CWS is your one stop supplier of material and resources to support your sustainable, efficient and effective rain water harvesting system. Saving you time and money while optimizing your use of one our planets most important resources – water.

What could be better!




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# Industrial High Purity Water Systems

The majority of natural waters are not suitable for potable uses. Most municipalities or other entities provide some level of treatment prior to distribution to make the water suitable for consumptive purposes. Often this potable water is not of a quality required for many industrial and most research applications. Additional treatment is required for the water to meet certain quality criteria. Many industries and organizations have established water quality specifications. These include:

- College of American Pathologists
- National Committee for Clinical Laboratory Standards
- American Society for Testing and Materials
- United States Pharmacopoeia
- Semiconductor Equipment and Materials International
- Association for the Advancement of Medical Instrumentation

CWS can design systems to handle the unique challenges of high purity water systems. Components of these systems can include:

## High Purity Water Systems

- Filtration Systems
- Softeners
- Iron and Manganese Removal
- Ultrafiltration
- Reverse Osmosis
- Ion Exchange/Deionization
- EDI - Electrodeionization
- Ultra-violet Disinfection





CWS has the expertise to provide these systems, designed for specific needs of the client and the level of water quality required.

- Design Engineering
- Custom Skid Systems
- Point of Use Systems
- System Installation
- Mechanical/Electrical
- Controls

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Complete Water Services, LLC



# Treatment Plant Design and Construction

CWS professionals are hands-on, real world designers and operators. We know what it takes to design and build practical, efficient and effective treatment plants, well suited for their purpose and setting. Sometimes we use the latest, most innovative technologies. Other times we use tried and true methods that have been available for years. At all times, though, our designs are tailored to the needs and budgets of our clients, given present and likely future application requirements.

Our wide range of experience and technical expertise allows us to offer these services in a variety of options, from Turnkey to a la Carte:

- Engineer, Procure and Construct
- Design, Construction Management
- Lump sum Design/Build
- Traditional Design/Bid/Build

CWS designs include the entire range of pre-treatment and treatment options, from skid-mounted package plants to custom designed and fabricated systems, including:

- Zero discharge water recycling systems
- Batch treatment
- Continuous flow
- Physical/chemical
- Biological
- Membrane filtration
- BOD/COD removal
- Oil & Grease removal
- TSS Removal





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Complete Water Services, LLC

Turnkey Design/Build WWTP

# Turnkey Design/Build WWTP

Complete Water Services specializes in providing complete turnkey pre-treatment and water treatment systems for industrial clients. CWS has the ability to take a project from concept through startup with the engineering, project management, and construction expertise to provide a quality installation. We pride ourselves in being your one-stop source for water and wastewater projects. Installations from Greenfield (including building, utilities and equipment) to modification of existing systems are within the scope of our capability.

CWS designs include the entire scope and scale of pre-treatment and treatment options from skid mounted package plants to custom designed and fabricated systems. No project is too small, too large, or too complex.

We believe that our expertise, contacts and market focus are unique. When you factor in our experience, technical ingenuity and high level of client service, we know we are unique.

The installed base of Complete Water Services pre-treatment and treatment systems covers a wide variety of industrial sectors, including:

- Metal Manufacturing and Metal Finishing
- Food Processing, Packaging and Preparation
- Specialty Chemical Manufacturing
- Industrial Laundries
- Paint manufacturing



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Complete Water Services, LLC

**Wastewater Treatment Plant Operations**

# Wastewater Treatment Plant Operations

Complete Water Services will operate your wastewater treatment or pre-treatment system, allowing you and your staff to concentrate on your core business. Under the direction of their Certified Operators, CWS will manage the operations, maintenance and environmental compliance of this critical process.

We offer this service under a variety of models. Benefits to your company or organization include:

- Prolong the life of plant equipment through proper maintenance and repair
- Reduce plant downtime and its impact on production
- Reduce administrative, management, and training costs
- Ensure the proper use and application of all treatment chemicals
- Avoid costly fines for non-compliance
- Minimize surcharges
- Avoid the potential impacts of staff turnover

Complete Water Services personnel visit treatment plant sites on an appropriate schedule to perform at least the following services:

- Onsite analysis and process operations
- Sample collection, analysis, with required decision making compliance reporting
- Residuals solids management
- Chemical management
- Preventative maintenance
- Emergency Response

## Reference Projects:



### Community College

A 60,000 gpd sanitary treatment system which includes a lift station, activated sludge treatment lagoon, holding pond, and a 36,000 gpd land application system.



### Bakery, Atlanta

A 40,000 gpd industrial treatment system for high strength bakery waste which includes screening, equalization, pH control, activated sludge system, clarification, and belt press operation for solids dewatering.

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# Wastewater Treatment Chemical Programs

Coupled with our other services or as a stand-alone offering, CWS can deliver significant savings in water treatment chemical costs. Our water professionals make sure that you are buying the correct chemical compounds in the correct concentrations for your particular application, and then deliver these chemicals at competitive prices. We will design/install new or troubleshoot existing chemical feed systems to ensure the most efficient chemical delivery. Take advantage of great savings in all chemical categories, including:

- Polymer flocculants & clarifiers
- Odor control chemicals
- Biodispersants
- Foam control chemicals
- Bacterial inoculants
- Micro-nutrients
- Closed System treatment
- Humidification treatment
- Steam Line Inhibitors
- Water Stabilization treatment
- Cooling Towers
- Boilers
- Corrosion Control
- Micro-organism Contamination Control



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Complete Water Services, LLC

Mobile Treatment

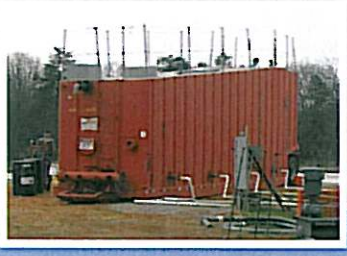
# Mobile Treatment System and Services

CWS provides mobile treatment systems and services for emergency wastewater treatment needs, including clarifier systems, solids dewatering and dissolved air flotation. These systems have been successfully used for treatment plants that are not able to meet permit limits due to temporary problems with biological treatment systems, high levels of solids in lagoons, excessive flow rates, etc.

CWS can provide operations and chemistry along with mobile treatment equipment if desired.









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# Water/Utilities Conservation

One of the main reasons our clients hire Complete Water Services is to save money. Our water and utilities conservation services ensure that these savings continue and compound long after the project is completed. Examples of these services include:

- Water audits
- Reduce - water conservation equipment and practices
- Reuse - partial treatment and re-circulation of process water; heat recovery
- Recycle - full treatment and recovery
- Retainage - locally administered Sewer Diversion credit programs
- Zero discharge plant design or re-design



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Complete Water Services, LLC

Well Water Supply

# Well Water Supply Residential Development/ Industrial Applications

Complete Water Services is fully capable and experienced in locating and developing groundwater sources for drinking water or process water supply. This can be a critical resource in areas not served by municipal supplies, or as a contingency supply should there be an interruption in municipal water service. In either case, developing and controlling your own water supply can reduce risk and save money.

## Services include:

- Hydrogeological Assessment
- Well Location
- Well Development Project Management
- Permitting
- Design/Build of Storage and Treatment Facilities
- Design of Distribution or Tie-in to Existing Distribution System

## Reference Projects:



### UAHC Camp Coleman, Cleveland, GA

This is a 250 acre recreation area, drawing visitors from around the world. The site includes a 20 acre lake, about 30 family cottages, dining facility, infirmary, etc. Complete Water Services assisted in the design and installation of a groundwater welland treatment system to supply the Camp with drinking and domestic water. Treatment includes sediment filtration, iron and manganese removal, pH adjustment and microbilogical control. Services also included preparation of an OEM Manual and plant startup.



### The Estates at Hawks Landing, Oglethorpe County, GA

This residential development is located in an area which is not served by municipal water. Complete Water Services located and developed a well system, designed and installed a drinking water treatment system including iron and manganese removal and microbiological control, and designed and installed pumps and piping to tie into an existing distribution system.



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Complete Water Services, LLC

# DESIGN/BUILD PROJECT DESCRIPTION

**CLIENT:** **Excel Corporation, Hazelton, PA**
**Wastewater Treatment Plant (WWTP)**

## BACKGROUND:

Excel Corporation built a new case-ready meat processing plant in Hazelton. PA. The plant takes in sides and sections of beef, and further processes them into select cuts and ground beef, packaged and ready for retail sale. Wastewater produced by washing and rinsing operations is high in solids, fats and oil grease. Because of their prior experience with our firm. Excel specified Complete Water Services as the preferred wastewater treatment subcontractor when they put the plant construction project out to bid.

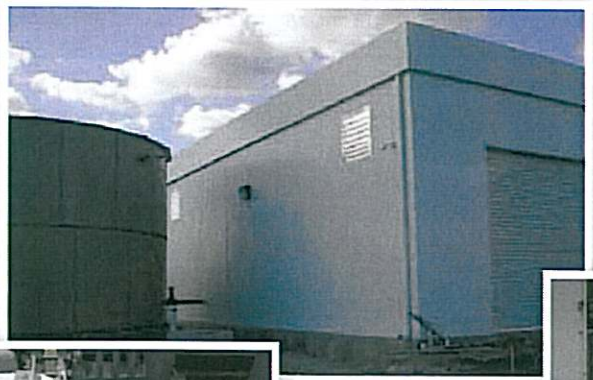
## PROJECT REQUIREMENTS:

- Influent flow rate of 150 gallons per minute
- Treatment for solids, fats, oils and grease
- Design and construction of new building and all systems, from the ground up
- Schedule to match completion of processing plant construction

## SYSTEM COMPONENTS:

- Flow equalization
- Continuous pH neutralization
- Chemical flocculation/ coagulation
- Dissolved air flotation

- Greenfield installation including building, utilities and equipment
- On time, on budget
- No change orders from original design









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Complete Water Services, LLC

# DESIGN/BUILD PROJECT DESCRIPTION

**CLIENT:** **Toyota Industrial Equipment Manufacturing (TIEM) Wastewater Treatment Plant (WWTP)**




## BACKGROUND:

The Toyota Industrial Equipment Manufacturing (TIEM) Plant in Columbus, Indiana manufactures industrial fork lifts. The ferrous metal finishing, phosphatizing and painting operations yield wastewater with high metals concentration.

**Complete Water Services (CWS) was retained to increase the capacity and effectiveness of the plant's WWTP.**



## PROJECT REQUIREMENTS:

- Double the capacity of existing system to 86,400 gpd
- Reuse as much of existing system hardware as possible
- Design/Build system with small footprint (40' x 45')
- Improve stability, efficiency, ease of operation and maintenance
- Effectively treat a wide range of contaminants
- Increase capacity to treat surges of contaminant volume and concentration
- Return as much treated water as possible to the plant for process water
- Aggressive schedule, coincident with planned plant maintenance shutdowns
- Tight budget

**TIEM agreed with CWS' proposal of a cost-saving two phased approach.**

## Phase I

- Flow equalization
- pH neutralization
- Chemical flocculation/ coagulation
- Clarification
- Sludge de-watering
- 40% of original treatment plant equipment was reused
- During the scheduled 5 day plant shutdown, equipment from the original plant was disassembled, moved and incorporated into the new WWTP. Final tie-ins were made, and the new WWTP was operational before the manufacturing plant went back online.

## Phase II

- Ultrafiltration
- Reverse Osmosis
- More than 90% of treated water to be recycled into the plant
- Treated water will exceed TIEM's stringent purity requirements for final-rinse process water
- As with Phase I, the WWTP will be designed to allow all modifications, final tie-ins and start-up to be completed during scheduled plant shut-down

- Design maximized use of existing equipment
- Bought on-line with no interruption of manufacturing



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Alabama's Water Environment Association

the WAVE

Fall 2002 – Vol. 23 No. 3

WHAT'S INSIDE

Submersible Pump Motors .....5

ADEM Begins Regulatory Process for Adoption of Phase II Stormwater Regulations .....7

AWEA Awards Scholarships .....9

2002 Annual Conference Awards Luncheon Presentations .....10

AWEA Board Meeting Summary .....12

EPA's Water Protection Task Force .....14

AWEA Workshops .....16

AWEA
Alabama's Water Environment Association

# Hager Hinge Wins AWEA Treatment Excellence Award

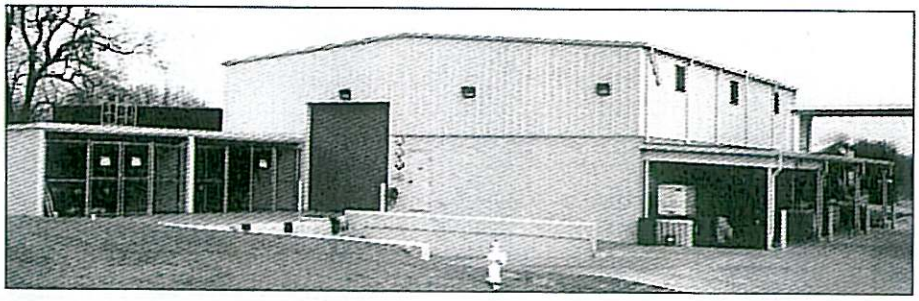


Figure 1. Building that houses the new physical/chemical treatment system.

*By Andy Fischer and Ed Becker*

Hager Hinge of Montgomery was awarded the II AWEA Excellence in Wastewater Treatment Award for its physical/chemical treatment facility at the Annual AWEA Conference on April 29th. Hager was selected from among several nominees submitted to the AWEA Awards Committee by the Alabama Department of Environmental Management for their outstanding performance records for the period October 1, 2000 through September 30, 2001.

As the name suggests, Hager Hinge produces hinges. Actually, Hager produces lots of hinges, up to 85,000 door hinges per day. They also produce a number of door trim products like kickplates, push/pull bars, etc. in a variety of materials and finishes. Hager operates three shifts a day, five days per week and on the production floor you will find employees involved in metal, fabrication, cleaning, polishing, electroplating, painting and lacquer coating, stripping, testing, assembling, packing and shipping.

The collective wastewater stream that enters the treatment building shown in Figure 1 includes wastewater from the electroplating, parts cleaning, stripping and painting/lacquer coating operations. Electroplating operations contribute alkaline cleaners, acid activator solutions and hexavalent chromium, nickel, cyanide and zinc plating solutions. Parts cleaning operations contribute oils and specialty cleaners to the wastewater stream. Stripping yields cyanide and acid-based solutions. Paint and lacquer coating surface preparation solutions complete the 38 million gallons of wastewater elixir that required treatment during the evaluation period prior to disposal to the Montgomery Sewer System.

During the evaluation period Hager Hinge was involved in abandoning its out-dated and inadequate treatment plant, which during prior years had caused violations of their SID Permit. Hager approached ADEM and negotiated a Consent Order that required preparation of an engineering report and implementation of the engineer's recommendations. Some that were in attendance at the 2001 Conference may have heard Hager representatives present a paper entitled "Hager Companies Approach to SID Permit Compliance" that included a historical perspective of their waste treatment problems and the system design that they concluded would bring about a first-class, compliant wastewater treatment program. Construction of the new treatment facilities was completed by Complete Water Services and placed in service shortly after the 2001 Conference.

*Continued on page 3*

# Hager Hinge Wins AWEA Treatment Excellence Award

*Continued from page 1*

A schematic of the new Hager treatment system is shown as Figure 2. Waste treatment is controlled by a customized computer system (Figure 3) with a particularly impressive interactive software package. The waste streams that enter the new treatment system arrive from six segregated input routes: a chromium sump, cyanide sump, pH sump, oil separator, concentrated plating solution sump and a 'batch process' sump. All six segregated the wastewaters are individually treated prior to a common clarification process. For example, the chromium-bearing wastewater that is pumped into a 10,000 gallon tank (sump) is chemically treated with materials fed into the sump by pumps that are computer-controlled based on pH and oxidation reduction potential (ORP) sensor-relayed readings that are interpreted by the computer. Figures 4 and 5 show some of Hager's process equipment, control elements and chemical feed pumps.

The chromium reduction process utilizes caustic soda, sulfuric acid and Redox Ty (a commercial product that replaces sodium bisulfite). Level indicators are used to control liquid transfers into and out of the sumps. Once reduced to trivalent chromium, the chromium wastewater is transferred to one of two 100,000 gallon equalization tanks. Cyanide oxidation occurs in a separate 10,000 gallon tank (sump) with caustic soda, sulfuric acid and sodium hypochlorite additions and then the liquid is transferred to the equalization tank that is receiving the trivalent wastewater. Treatment in the batch process sump is computer-controlled, as well, but the computer prompts the operator to ensure that the correct treatment regime is used; once treated, the batch waste enters the second 100,000 gallon equalization basin.

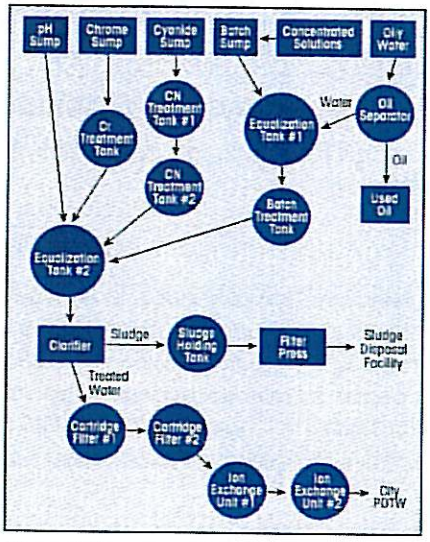



Figure 2. Flow schematic of Hager Hinge's Waste Treatment Facility.



Figure 3. View of the process control center that overlooks the floor of the treatment facility.

The oily wastewater is treated with sulfuric acid and a chemical demulsifier before combining with the treated chromium and cyanide waste streams.

The computer monitors the pH in the large equalization basins and directs appropriate chemical and coagulant additions before transferring the conditioned wastewater onto a fast-mix polymer chamber, a slow-mix flocculation chamber and finally the inclined plate clarifier (Figure 6). The solids removed from the clarifier are dewatered in a 40 cubic foot plate and frame press, which is equipped with a water membrane to 'give it that extra squeeze'. Following clarification, the water passes through two, in-line cartridge-type polishing filters and then onto an ion exchange unit before being discharged to the city sewer.

During the 12 months ending September 30, 2001 while Hager was struggling with its out-dated system and installing and starting up its new system, they experienced no SID Permit violations. No upsets, no power failures, no computer glitches – a real testimony to Hager and Complete Water Service's careful planning and to their quality engineering, construction and operation personnel and programs.

All the unique features that Hager Hinge incorporated into their new system are too numerous to include in this brief article but one to be highlighted is the large equalization tanks they installed that provide a fail-safe place to divert wastewater during the treatment process when the computer determines that the quality of water quality is not what is should be. On such an occasion, an automatic valve to the city sewer is closed, an alarm is sounded and the non-compliant wastewater is sent to an equalization basin.

Truly, Hager Hinge is to be complimented on its commitment to excellence in both treatment design and operations. They have proven to be a worthy recipient of the 2001 AWEA Award in the Category of Physical-Chemical Treatment. The Hager facility and the computer system is a "must see" for any firm that is contemplating updating an inadequate treatment system.



Figure 4. A few of the transfer pumps and piping.

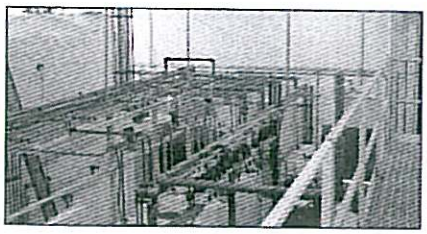


Figure 5. Equalization and processing tanks with chemical feed pumps and piping layout.

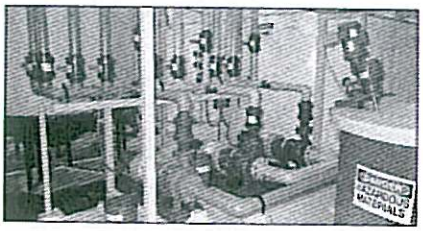


Figure 6. Inclined plate clarifier (foreground) and plate and frame press (background).

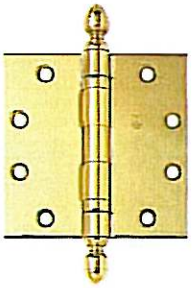
Complete Water Services, LLC

# DESIGN/BUILD PROJECT DESCRIPTION

**CLIENT:** **Hagar Companies, Montgomery, AL**
**Wastewater Treatment Plant (WWTP)**

## BACKGROUND:

Headquartered in St. Louis, Hagar Companies is one of the largest manufacturers of residential and commercial door hardware in the world. The metal finishings, metal plating, and painting operations yield wastewater containing cyanide and high metals concentrations. To keep pace with increased manufacturing operations, the existing WWTP at their Montgomery manufacturing facility needed to be completely replaced with a green field installation, in order to increase both capacity and reliability.



## PROJECT REQUIREMENTS:

- Double the capacity of existing system to 316,800 gpd
- Reuse as much of existing equipment as possible
- Design/Build system including new stand-alone building
- Improve stability, efficiency, ease/cost of operation, and maintenance
- Continuously treat a wide range of contaminants, including cyanide
- Increase capacity to treat surges of contaminant volume and concentration
- Demolish and dispose of existing WWTP (hazardous materials considerations)
- Aggressive schedule, existing WWTP equipment was in very poor condition and was subject to catastrophic failure
- PLC/Computer control system with graphics
- Tight budget

**ALABAMA WATER ENVIRONMENT ASSOCIATION PLANT OF THE YEAR**

## SYSTEM COMPONENTS:

- Flow equalization
- Continuous pH neutralization
- Continuous cyanide destruction
- Chemical flocculation/ coagulation
- Clarification
- Cartridge filtration
- Ion exchange
- Sludge decant and filter press de-watering
- Oil separation from alkaline degreaser
- PLC/Computer control with extensive automation



- Design maximized use of existing equipment
- Brought on-line with no interruption of manufacturing
- Green field installation including building, utilities and equipment
- Demolition/ disposal of existing system

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Complete Water Services, LLC

# DESIGN/BUILD PROJECT DESCRIPTION

**CLIENT:** **Estes-Simmons Silverplating, Ltd.**
**Wastewater Treatment Plant (WWTP)**

Estes-Simmons Silverplating Ltd. Since 1891

## BACKGROUND:

Estes-Simmons Silverplating, in Atlanta, GA, specializes in the repair and restoration of precious and semi-precious metal antiques and art objects. The company uses caustic cleaning, metal plating, buffing, polishing, and painting operations, yielding wastewater with high concentration of metals and cyanide.

**Complete Water Services (CWS) was retained to design and build a physically small but effective WWTP to meet stringent local wastewater discharge requirements.**

## PROJECT REQUIREMENTS:

- Low flow rate (4,500 gpd)
- Design/Build system with small footprint
- Minimum operating costs
- Minimum operator attention and maximum ease of operations
- Effectively treat a wide range of contaminants including precious metals and cyanide
- Recover precious metals such as silver and gold
- Aggressive schedule, coincident with planned building refurbishment
- Tight budget



## SYSTEM COMPONENTS:

- Flow equalization
- pH neutralization
- Safe cyanide destruction
- Chemical flocculation/ coagulation
- Clarification
- Cartridge filtration
- Ion exchange
- Precious metal precipitation and recovery



- Design maximized ease of operation
- Brought on-line with no interruption of business
- Stringent effluent standards met under low-flow conditions

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Complete Water Services, LLC

# DESIGN/BUILD PROJECT DESCRIPTION

**CLIENT:** **King's Hawaiian Bakery, Inc., Oakwood, GA**
**Wastewater Pretreatment System**

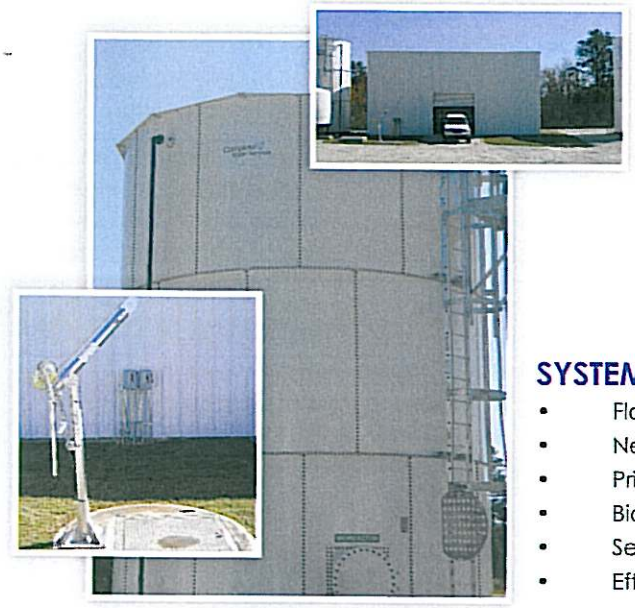
## BACKGROUND:




In the 1950's, Robert's Bakery of Hilo, Hawaii, developed the famous Original Recipe of King's Hawaiian Sweet Bread. Nearly a decade later, the well-known bakery expanded and moved to King's Street in Honolulu. The bakery and cafe immediately turned into a destination location for locals and tourists who shipped the bread back to the mainland as gifts. In the late 1970s, some aloha was shared with the mainlanders by the construction of a commercial bakery in California.

In 2004, King's Hawaiian continued to expand with a 150,000 square foot, state of the art baking facility and corporate headquarters in Torrance, CA. King's Hawaiian Bakery decided to expand to the east coast and, in the summer of 2011, constructed a new baking facility in Georgia.

Wastewater from the bakery is generated as a normal daily activity, mostly of from plant and equipment wash water. The wastewater is high in dissolved sugars and carbohydrates which exert a high biochemical oxygen demand (BOD). The bakery wastewater is also high in fats, oils, greases (FOG), and Total Suspended Solids (TSS).



## PROJECT REQUIREMENTS:

- Design/build of a biological treatment process to educe BOD
- Storage capacity for wastewater generated over the weekend and process it during the following week
- Influent rate of 30 gallons per minute
- Treatment for fats, oils, greases, solids, and dissolved BOD

## SYSTEM COMPONENTS:

- Flow equalization with aeration
- Neutralization/coagulation/flocculation
- Primary dissolved air flotation
- Bioreactor – Activated Sludge
- Secondary Dissolved air flotation
- Effluent monitoring

**WASTEWATER FACILITY WAS FILMED AND SHOWN ON NATIONAL TELEVISION.**

- Design and construction of a new wastewater facility
- Efficient and cost effective design using the same dissolved air flotation unit for primary and secondary separation
- DAF for sludge removal allows higher mixed liquor concentrations
- Higher mixed liquor concentrations result in smaller tank requirements

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Complete Water Services, LLC

# DESIGN/BUILD PROJECT DESCRIPTION

## CLIENT: Voith Paper Fabric & Roll Systems, Inc., West Monroe, LA
## Wastewater Pretreatment System

VOITH

## BACKGROUND:

Voith Paper Fabric & Roll Systems, Inc. is a German-owned company that repairs, refurbishes and maintains large rollers for the paper industry. These repairs/ maintenance include:

- Repair or replacement of journals
- Rubber roll covers
- Mechanical repairs
- Balancing



Repair activities are different for each roller that enters the facility. Any combination of the above can be conducted on the roller or its associated parts. These activities can be comprised of any of the following:

- Solvent cleaning
- Burning bar/lancing to remove journal
- Lathe removal of existing cover material
- Machining
- Welding
- Thermal metal spraying
- Abrasive blasting
- Application of rubber cover material
- Wet grinding of new cover
- Application of surface coating





These repair activities generate process wastewater which is constantly changing. CWS completed a design/build of a flexible pretreatment system that removes grit, adjusts pH, removes oil & grease, removes Total Suspended Solids, and removes metals to levels that consistently meet the required discharge limits.

## PROJECT REQUIREMENTS:

- Design/build of a multi-staged treatment process
- Small space for treatment system (20' x 40')
- Influent rate of 40 gallons per minute
- Increase the capability to treat surges of flow volume and contaminant concentrations



## SYSTEM COMPONENTS:

- Oil separation and grit removal
- Flow equalization
- Neutralization/coagulation/flocculation
- Dissolved air flotation
- Effluent monitoring




- Maximized the layout of process equipment in limited space
- Effluent concentrations meet discharge limits

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# DESIGN/BUILD PROJECT DESCRIPTION

**CLIENT: CeramTec North America, Laurens, SC**
**Wastewater Pretreatment System**

CeramTec
THE CERAMIC EXPERTS

## BACKGROUND:

CeramTec is a leader in manufacturing "high-performance ceramics". The Laurens, SC, facility has been continuously producing technical ceramic products since 1961. These products support automotive, aerospace, cryogenics, high-energy physics, telecommunications, electronics, structural, textile, microwave and nuclear applications. During the manufacture of these technical ceramics, wastewater is generated that is high in metals and Total Suspended Solids. CWS was retained to upgrade and replace the existing pretreatment system with one that would continually meet discharge requirements.

## PROJECT REQUIREMENTS:

- Influent flow rate of 10 gallons per minute
- Pretreatment for metals and solids
- Design/build of new system in limited space allotted while existing system remained online
- Reuse of some of the existing equipment

## SYSTEM COMPONENTS:

- Filtration
- Flow equalization
- Tank for emergency flow or high concentration wastewater holding
- Neutralization/coagulation/flocculation
- Clarification/sedimentation
- Sludge dewatering





- CWS completed the system with no interruption in plant operations
- Design maximized the use of existing equipment
- Effluent consistently meets discharge limits

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Complete Water Services, LLC

3/16/12

Mr. Patrick Smart, PE
Project Engineer
The Johnson Company
100 State Street, Suite 600
Montpelier, VT 05602

RE: Flowery Branch, GA

Dear Mr. Smart,

We are pleased to offer, for your consideration and approval, our proposal to provide operations for the wastewater systems at the above referenced location.

This proposal is based upon our discussion of a ground water remediation system that is to be installed in the Flowery Branch, GA area.

Our proposal is based upon providing the following services:

Provide a Georgia Certified Wastewater to manage the system operations and to submit a signed EPD monitoring report each month when the new wastewater permit is issued.
Monthly Fee-$300

Provide site visit and labor to operate treatment system, make adjustment as necessary, perform preventative maintenance, maintain chemical feed systems, etc.
Monthly fee-$45 per hour for onsite services

This service may be cancelled at any time with 30 days notice.

CWS provides water and wastewater operations and support over twenty facilities in Georgia; we can provide you with references if desired.

Should this proposal meet with your approval, please sign and return one copy for our files.

I appreciate the opportunity to be of service and we look forward to working with you on this project. Please let me know if you have any questions.

Sincerely, Accepted by_____

Jim Lewis Date _____

Assumptions

- Treatment chemical required to maintain system will be purchased separately or provided by client
- Laboratory analysis fees are not included in monthly fees quoted
- Spare parts are not included in monthly fees quoted
- System will be designed and installed so that no unsafe conditions are created

# Attachment 6

# Best Management Practices Plan

# DRAFT
# BEST MANAGEMENT PRACTICES PLAN

Multiphase Extraction and Groundwater Treatment System
Avery Dennison Facility, 4350 Avery Drive
Flowery Branch, Georgia

April 2012

## TABLE OF CONTENTS

SUMMARY ..... ii
1.0 INTRODUCTION ..... 1
2.0 SYSTEM DESCRIPTION ..... 2
3.0 CHEMICAL STORAGE AND HANDLING ..... 3
3.1 CHEMICAL STORAGE ..... 3
3.2 CHEMICAL HANDLING ..... 4
4.0 SPILL PREVENTION ..... 5
4.1 PROCESS CONTROLS ..... 5
4.2 GOOD HOUSEKEEPING ..... 6
4.3 PREVENTIVE MAINTENANCE ..... 6
4.4 INSPECTIONS AND RECORDS ..... 6
4.5 TRAINING ..... 6
4.6 SECURITY ..... 7
5.0 SPILL RESPONSE ..... 7
5.1 INCIDENT REPORTING ..... 7

LIST OF TABLES

Table 1 BMP Implementation Committee ..... 1
Table 2 Spill Response Emergency Contacts ..... 7
Table 3 Emergency Contacts for Reportable Spills ..... 8

LIST OF APPENDICES

Appendix A Material Safety Data Sheets
Appendix B Georgia Oil or Hazardous Material Spills and Releases Reporting

## SUMMARY

This preliminary draft Best Management Practices Plan has been prepared as an accompaniment to the industrial pretreatment permit application submitted to the State of Georgia. This document describes the chemicals that will be associated with the proposed multiphase extraction system, spill prevention procedures, and emergency response procedures to be implemented in the event of a discharge of process liquids from the multiphase extraction and treatment system (the System).

This preliminary draft BMP will be reviewed and revised following procurement of the multiphase extraction system components and construction of the System at the Site. The revised BMP will be incorporated into the System Operations and Maintenance Manual (OMM), which will be prepared prior to System startup.

## 1.0 INTRODUCTION

This Best Management Practices Plan (BMP) exists to foster awareness and implement practices to reduce and mitigate potential spills of hazardous or toxic materials to the ground during operation of the Multiphase Extraction and Groundwater Treatment System (the System) at the Avery Dennison Corporation (Avery Dennison) Facility located at 4350 Avery Drive, Flowery Branch, Georgia. The System is being voluntarily implemented and operated by Avery Dennison in response to its commitment per the Voluntary Remediation Program Act. This BMP also serves to recommend procedures to reduce the potential for discharges of hazardous or toxic materials, if any, to reach surface water or groundwater receptors. This BMP will be reviewed annually and updated if significant changes are implemented to System components or processes.

The BMP Implementation Committee is comprised of the System Operator, Complete Water Services, LLC; the Engineer and Project Manager, The Johnson Company, Inc.; and the System Owner, Avery Dennison Corporation, and its representative, Mr. Bruce Martin, Manager of Remediation Services. Table 1 provides contact information for the committee.

**Table 1**
**BMP Implementation Committee**

| Organization | Role | Contact | Phone |
|---|---|---|---|
| The Johnson Company | Engineer | Joel Behrsing, P.E.<br>Patrick Smart, P.E. | (802) 229-4600 |
| The Johnson Company | Project Manager | Glen Kirkpatrick | (802) 229-4600 |
| Roadrunner Express, Inc. | Emergency Response | 24-Hour Emergency Line | (770) 967-6501 |
| Avery Dennison Corporation | System Owner | Bruce Martin | (508) 476-5041 |
| Complete Water Services LLC | System Operator | To Be Determined | (678) 355-9270 |

## 2.0 SYSTEM DESCRIPTION

The System extracts a combined flow of groundwater and soil vapor from on-Site extraction wells via vacuum created by a liquid-ring pump. The extracted groundwater and soil vapor flow will be separated in a knockout tank. The soil vapor will be exhausted to a stack above the roof line of the facility. From the knockout tank, the groundwater will be treated by an air stripper to reduce target volatile organic compound concentrations followed by an advanced oxidation process (AOP) to reduce 1,4-dioxane concentrations prior to discharge to the Flowery Branch sewer collection system. The Operation and Maintenance Manual will describe the System in detail. Electricity needed for the System operation will be provided from the adjacent on-Site building. The System will require the storage and handling of three chemical materials:

- Sealant oil will be used by the liquid ring pump. This sealant oil will be contained in a closed loop within the liquid ring pump. This closed loop includes an oil storage reservoir with a nominal capacity of approximately 20 gallons. During routine operations, the sealant oil will be replaced approximately once per year.

- Hydrogen peroxide is used in the AOP treatment process. Three percent (by weight) hydrogen peroxide solution will be stored in a double-walled storage tank located inside the AOP enclosure. It is currently projected the System will consume approximately 50 gallons of hydrogen peroxide solution per month.

- Ozone is also used during the AOP treatment process. Liquid oxygen will be used to generate ozone. Liquid oxygen will be stored on-Site in dewars provided by the chemical supplier. The liquid oxygen storage area will be located near the AOP enclosure.

Preliminary material safety data sheets (MSDS) for the sealant oil, hydrogen peroxide solution, and liquid oxygen are provided in Appendix A. None of the liquids or gases associated with the System possesses physical and/or chemical characteristics of a hazardous material. Descriptions of the chemical storage, spill prevention, and emergency response actions are provided in the following sections.

# 3.0 CHEMICAL STORAGE AND HANDLING

## 3.1 CHEMICAL STORAGE

As described in Section 2, sealant oil, hydrogen peroxide, and liquid oxygen will be utilized by the System. Approximate storage volumes and containers for these materials are described below.

Sealant oil will be contained within the liquid ring vacuum pump assembly. The sealant oil reservoir within the vacuum pump assembly will be approximately 20 gallons. This sealant oil will be utilized in a closed loop, and will not be consumed by the pump during routine operations. The sealant oil will be replaced approximately once per year. Oil replacement will be performed as part of the preventative maintenance recommend by the manufacturer, procedures and documentation will be provided in the Operations and Maintenance Manual (OMM), which will be kept with the System.

The three percent hydrogen peroxide solution will be stored in a double-walled tank with a nominal capacity of 100-gallons. Hydrogen peroxide solution will be delivered to the Site in drums provided by the chemical supplier. Drums will be stored on containment pallets in a dedicated chemical storage area located within the remediation system enclosure. The hydrogen peroxide storage areas will be clearly labeled with appropriate signs and placards.

Liquid oxygen will be stored in dewars provided by the chemical supplier. The dewars will be stored in a dedicated storage area within the remediation system enclosure. The storage area will have the capacity to store four dewars; only one dewar will be used at a time. The liquid oxygen storage area will include signage and placards necessary to identify the storage area and communicate any associated hazards. This storage area will meet the requirements of NFPA 50 (Standard for Bulk Oxygen Systems at Consumer Sites).

In addition, the treatment System includes two above-ground tanks that will store extracted groundwater. Groundwater will also be contained in process piping, the air stripper, and the AOP reactor. Routine operations will not require handling of the groundwater.

Groundwater will be handled during sample collection, and may be encountered during maintenance of treatment system components. Sample collection and system maintenance procedures will be provided in the OMM.

## 3.2 CHEMICAL HANDLING

Sealant oil will be contained within a closed loop system within the liquid ring pump assembly, and will not be handled during routine operations. The OMM will describe procedures for performing maintenance activities that may involve handling sealant oil.

Hydrogen peroxide solution will be metered into the AOP via a metering pump connected to the storage tank. The Programmable Logic Controller (PLC) for the System will automatically control the operation of the metering pump; hydrogen peroxide will be handled only when transferring the solution from the containers (drums) provided by the chemical supplier to the storage tank, and when moving the drums from the drum storage area to the tank loading area.

The Hydrogen peroxide solution will be manually transferred from the drums to the storage tank using a drum pump. Specific procedures for transferring the hydrogen peroxide solution will be included in the OMM, and will include the following best practices:

- An Operator or designee shall be present during all hydrogen peroxide transfer activities, the transfer pump shall not be operated unattended.
- A spill response kit shall be readily available.
- The Operator or designee shall monitor the liquid inventory of the storage tank, and cease transfer activities if the liquid inventory in the tank is greater than 95 percent.

The chemical supplier will deliver hydrogen peroxide solution to the Site in drums; liquid oxygen will be delivered in dewars. The Operator will be required to transport these containers to storage areas located within the remediation system enclosure. Drums shall be moved by hand using a truck or dolly specifically designed for transporting drums; dewars shall be transported using a dolly or hand truck. The following best management practices shall be employed during transportation of drums and dewars:

- Inspect the item to be moved for physical defects. Ensure that all openings are closed.
- Walk the planned transportation route and remove any obstacles or trip hazards encountered.
- Load the item onto the transport mechanism, secure the drum using the straps/attachments provided.
- Move the item cautiously and deliberately along the planned route.

## 4.0 SPILL PREVENTION

A multi-faceted approach will be utilized to prevent spills and uncontrolled releases of materials from the System. This approach employs process controls, good housekeeping, preventative maintenance, routine system inspections, training, and records management requirements, as described in the following subsections.

### 4.1 PROCESS CONTROLS

The System will be equipped with process instrumentation and a programmable logic controller (PLC) to control and monitor System operations. Process instrumentation includes flow meters installed on groundwater influent and effluent pipelines and water level float switches installed in all storage tanks. The PLC will include process controls that will maintain the groundwater flow rates through the System to be less than the maximum allowable daily flow rate (15,000 gallons per day), and controls that will activate alarms and shutdown the System if the groundwater flow rate approaches the maximum allowable daily flow. The PLC will also monitor the water level float switches, and will activate alarms if these float switches are activated. In the event of an influent pipeline or storage tank failure, the respective flow meter or float switch will indicate the upset condition, and the PLC will activate an alarm, and disable the appropriate System components. The PLC will also activate the telemetry system to notify the Operator and the Engineer of the alarm condition so that corrective measures can be undertaken.

## 4.2 GOOD HOUSEKEEPING

The following BMP housekeeping measures will be employed:

- Hazardous materials will not be used for System operations, and will not be stored in the System compound.
- The area surrounding the aboveground influent groundwater storage tank and its associated connections will be kept clear of other equipment to facilitate observation for leaks, and to prevent damage to the tank and connections.
- Walkways and pathways will be maintained free of obstruction.
- The Operator will routinely inspect the components of the system for evidence of leakage, damage, or degradation.
- Spill Response Kits, including sorbent pads, booms, and other related materials to address any spilled liquids will be maintained in all chemical storage areas.
- Preventative maintenance will be performed, as described below.

## 4.3 PREVENTIVE MAINTENANCE

Preventative maintenance will be performed on System components as recommended by the manufacturer. A System Operations and Maintenance Manual (OMM) will be prepared following construction of the System. The OMM will include a schedule of preventative maintenance activities, and manufacturer-provided documentation for System components.

## 4.4 INSPECTIONS AND RECORDS

Routine System inspections will be performed by the Operator. The inspection activities, documentation requirements, and inspection schedule will be described in the OMM. The OMM, this BMP, inspection documentation, and copies of completed field forms will be stored within the remediation system enclosure at the Site and will be available to the Operator, Engineer, and Authorized Site Visitors.

## 4.5 TRAINING

All personnel will familiarize themselves with this BMP, the OMM, and their site-specific Health and Safety Plan before conducting any work on the System. The Operator will

review this BMP on an annual basis and/or following any revisions. All Contractors that may do work on or around the System will be made aware of this BMP.

### 4.6 SECURITY

The System will be maintained under locked conditions when the Operator is not present. The treatment system will be located within a fenced enclosure with a locked gate, and the treatment enclosures will be equipped with locking doors. All extraction wells and piping will be enclosed within a fenced enclosure; therefore, the System will not be accessible to unauthorized personnel. Keys for System will be held by the Operator, the Engineer, and Avery Dennison.

## 5.0 SPILL RESPONSE

Hazardous materials identified by 40 CFR Part 302 will not be used by the System or stored within the System enclosure at the Site. Therefore, discharges of hazardous materials related to the System should not occur. However, if any person attending to the System observes a discharge of groundwater or other materials from the System, they will promptly take immediate steps to mitigate and report the discharge, including:

- Shut down the System (if the PLC has not already done so).
- Assess the size and scope of the discharge.
- Conduct response actions to mitigate the spill, if practical.
- Report the discharge to the entitles described in Section 5.1.

### 5.1 INCIDENT REPORTING

All spills shall be immediately reported to the Spill Response Emergency Contacts identified in Table 2.

**Table 2**
**Spill Response Emergency Contacts**

| Organization | Contact | Phone |
|---|---|---|
| Flowery Branch POTW | 24-Hour Emergency Line | (678) 776-3475 |
| Flowery Branch POTW | Jimmy Dean | (678) 776-1074 |
| The Johnson Company | Patrick Smart, P.E. | (802) 229-4600 |

| Table 2<br>Spill Response Emergency Contacts | | |
|---|---|---|
| **Organization** | **Contact** | **Phone** |
| The Johnson Company | Joel Behrsing, P.E. | (802) 229-4600 |
| The Johnson Company | Glen Kirkpatrick, P.G. | (802) 229-4600 |
| Roadrunner Express, Inc. | 24-Hour Emergency Line | (770) 967-6501 |
| Avery Dennison Corporation | Bruce Martin | (508) 476-5041 |
| Complete Water Services LLC | To Be Determined | (678) 355-9270 |

If the person observing the discharge cannot readily mitigate the spill, the designated Spill Response Contractor, Roadrunner Express Inc. (Roadrunner) will be contacted to respond and/or assist with managing any spill response residual. Roadrunner's contact information is:

Roadrunner Express Inc,

24-hour Emergency Line - (770) 967-6501

In the event of a reportable spill from the System as identified by the State of Georgia (see Appendix B), including a spill where material is discharged to the on-Site Storm Drain or the Unnamed Tributary to Mud Creek, the spill shall be immediately reported to Georgia EPD, the National Response Center, and the emergency contacts described above. Table 3 provides emergency contact information for reportable spills.

| Table 3<br>Emergency Contacts for Reportable Spills | | |
|---|---|---|
| **Organization** | **Contact** | **Phone** |
| Georgia Environmental Protection Division Emergency Operation Center | 24-Hour Emergency Line | (800) 241-4113 |
| National Response Center | 24-Hour Emergency Line | (800) 424-8802 |

# APPENDIX A
# MATERIAL SAFETY DATA SHEETS

# DEKKER
## VACUUM TECHNOLOGIES, INC.

## MATERIAL SAFETY DATA SHEET

**Vmaxol STANDARD**

**Sealant for oil-sealed vacuum pump systems**

### PRODUCT INFORMATION:
**DEKKER PART No's: 5220**-0010-**000** (1 gal) - **5220**-0050-**000** (5 gal) - **5220**-0550-**000** (55 gal)
**CHEMICAL NAME:** hydrotreated, paraffinic mineral oil - **CHEMICAL FAMILY:** semi-synthetic hydrocarbon
**FORMULA:** proprietary - **CAS#:** proprietary

### COMPONENTS AND HAZARD STATEMENT:
This material has **no known hazards** under applicable laws. The product contains **no known carcinogens**. No special warning labels are required under OSHA 29CFR 1910.1200. Product is TSCA (Toxic Substance Control Act), EU (European Union) and METI (Ministries of Economy, Trade and Industry (Far East)) compliant.

### HANDLING, PROTECTION, HEALTH HAZARD DATA AND FIRST AID:
**AVOID BREATHING OIL MISTS** (threshold limit value: 5 mg/m$^3$ ACGIH for oil mists). Product is not toxic by inhalation. Use in **well ventilated area** with local exhaust. **If** oil mist is **inhaled**, **move to fresh air and consult physician.**
**DO NOT TAKE INTERNALLY**. **If ingested: DO NOT INDUCE VOMITING**. If conscious, give 2 glasses of water and consult physician.**Do not give anything by mouth** if person is **unconscious** or having convulsions. May cause nausea and diarrhea.
**AVOID CONTACT WITH SKIN, EYES AND CLOTHING**. Protective **gloves** not required, but **recommended**, especially for prolonged exposure. **Upon contact** with skin, **wash exposed area with soap and water**. Wash contaminated clothing before re-use. **Eye/face protection: safety glasses or goggles. If product enters the eyes: flush with water for 15 minutes** and **consult physician.**

### STORAGE, SPILL OR LEAK PROCEDURES AND WASTE DISPOSAL METHOD:
**STORAGE:** Keep **container** tightly **sealed** when not in use.
**IN CASE OF SPILL: Wear** suitable **protective equipment**, especially **goggles**. **Stop the source of the spill**. **Dike** the spill area. Use **absorbent materials** to soak up fluid (i.e. sand, sawdust and commercially available materials). **Wash spill area** with large amounts of water. **Properly dispose of all materials.**
**DISPOSAL: Incinerate this product** and all associated wastes in a licensed facility **in accordance with Federal, State and local regulations.** This material is **not hazardous waste under RCRA Regulation 40 CFR 261.**

### PHYSICAL DATA:
**Appearance:** clear liquid, light amber tint. **Odor:** slight. **Boiling point:** >300°F.
**Vapor pressure:** <0.01 mmHg @ 20°C. **Specific gravity** (water = 1): 0.87 - 0.89.
**Volatiles:** 0% by volume. **Solubility in water:** insoluble. **Evaporation rate** (butyl acetate = 1): nil.

### REACTIVITY DATA:
**Stability:** stable. **Hazardous polymerization:** will not occur. **Incompatible materials:** strong oxidizers.
**Conditions to avoid:** excessive heat.
**Hazardous decomposition products:** analogous compounds evolve carbon monoxide, carbon dioxide and other unidentified chemicals when burned (see below).

### FIRE AND EXPLOSION HAZARDS:
**Flash point** (by Cleveland Open Cup): 465 - 515°F
**Flammable limits:** not established. **Auto-iginition temperature:** no data.
**HMIS ratings:** Health: 0 - Flammability: 1 - Reactivity : 0. **NFPA ratings:** not established.
**Extinguishing media:** dry chemical, $CO_2$ foam, water spray (fog).
**Unusual fire and explosion hazards:** none.
**Special fire fighting techniques:** Toxic fumes, gases or vapors may evolve on burning. Firefighters should use NIOSH/MNSA-approved self-contained breathing apparatus. Use water to cool fire-exposed containers. Use water carefully near exposed liquid to avoid frothing and splashing of hot liquid.

**The information in this material safety data sheet should be provided to all who use, handle, store, transport, or are otherwise exposed to this product. DEKKER VACUUM TECHNOLOGIES, INC. believes the information in this document to be reliable and up to date as of the date of publication, but makes no guarantee that it is.**

# Material Safety Data Sheet

**Science Stuff, Inc.**
**1104 Newport Ave**
**Austin, TX 78753**

**Phone (512) 837-6020**
**Chemtrec 800-424-9300**
**24 Hour Emergency Assistance**

## Section 1 Identification

| | |
|---|---|
| Product Number: | C1879 |
| Product Name: | Hydrogen Peroxide Solution, 3% Reagent Grade |
| Trade/Chemical Synonyms | |
| Formula: | N/A |
| RTECS: | None |
| C.A.S | See Below |

| | |
|---|---|
| Health: | 1 |
| Flammability | 0 |
| Reactivity | 0 |

Hazard Rating:

Least Slight Moderate High Extreme

0 1 2 3 4

NA = Not Applicable NE = Not Established

## Section 2 Component Mixture

| Sara 313 | Component | CAS Number | % | Dim | Exposure Limits: |
|---|---|---|---|---|---|
| ☐ | Water, Deionized ASTM Type II | CAS# 7732-18-5 | Balance | v/v | None Established |
| ☐ | Hydrogen Peroxide Solution, 50% | CAS# 7722-84-1 | 6% | V/V | OSHA TWA 1 ppm (1.4 mg/m*f*) |

## Section 3 Hazard Identification (Also see section 11)

Generally not hazardous in normal handling, however good laboratory practices should always be used. Avoid long term exposure to skin or by inhalation.

## Section 4 First Aid Measures

Generally not hazardous in normal handling, however good laboratory practices should always be used. Avoid long term exposure to skin or by inhalation.

FIRST AID: SKIN: Wash exposed area with soap and water. If irritation persists, seek medical attention.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

INGESTION: Give several glasses of milk or water. Vomiting may occur spontaneously, but it is not necessary to induce. Never give anything by mouth to an unconscious person.

## Section 5 Fire Fighting Measures

| | |
|---|---|
| Fire Extinguisher Type: | Any means suitable for extinguishing surrounding fire |
| Fire/Explosion Hazards: | Oxidizer. Contact with combustible materials may cause a fire. |
| Fire Fighting Procedure: | Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing. |

## Section 6 Accidental Release Measures

Dilute with water. Flush excess down drain.

## Section 7 Handling and Storage

Store in a cool dry place. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling

## Section 8 Exposure Controls & Personal Protection

Respiratory Protection:None required

Ventilation: Mechanical: ☐ Local Exhaust: ☑

Hand Protection: Gloves to prevent skin exposure as latex or vinyl

Eye Protection: Splash Goggles

Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

## Section 9 Physical and Chemical Properties

| | | | |
|---|---|---|---|
| Melting Point: | ~0° C | Specific Gravity | ~1.0 |
| Boiling Point: | ~100° C | Percent Volatile by Volume: | 100% |
| Vapor Pressure: | not available | Evaporation Rate: | not available |
| Vapor Density: | not available | Evaporation Standard: | |
| Solubility in Water: | Soluble | Auto ignition Temperature: | Not applicable |
| Appearance and Odor: | Colorless, odorless liquid | Lower Flamm. Limit in Air: | Not applicable |
| Flash Point: | not flammable | Upper Flamm. Limit in Air: | Not applicable |

## Section 10 Stability and Reactivity Information

Stability: Stable

Conditions to Avoid: Temperature extremes, heat, light

Materials to Avoid:
Flammables, combustibles, Cyanides, Acids, permanganates, Reducing agents

Hazardous Decomposition Products:
Hydrogen, Oxygen

Hazardous Polymerization:not expected to occur

Condition to Avoid:None known

## Section 11 Additional Information

Solution has oxidizing properties. Skin contact may cause irritation, burns, Eye contact may cause irritation, discomfort, burns. Ingestion may release large amounts of oxygen, Cause burns to GI and intestinal tract. Treat symptomatically. Persons with preexisting skin, eye or mucous membrane disorders may be more susceptible.

DOT Classification: Not Regulated

DOT regulations may change from time to time. Please consult the most recent version of the relevant regulations.

Revision No:0 Date Entered: 9/1/2006 Approved by: WPF

The information contained herein is believed to be accurate and is offered in good faith for the user's consideration and investigation. No warranty is expressed or implied regarding the completeness or accuracy of this information, whether originating from Science Stuff, Inc. or from an alternate source. Users of this material should satisfy themselves by independent investigation of current scientific and medical information that this material may be safely handled.

# Praxair™ Material Safety Data Sheet

## 1. Chemical Product and Company Identification

| | | | |
|---|---|---|---|
| **Product Name:** | Oxygen (MSDS No. P-4638-D) | **Trade Name:** | Oxygen |
| **Chemical Name:** | Oxygen | **Synonyms:** | Not applicable |
| **Formula:** | $O_2$ | **Chemical Family:** | Not applicable |
| **Telephone:** | **Emergencies:** 1-800-645-4633*<br>**CHEMTREC** 1-800-424-9300*<br>Routine: 1-800-PRAXAIR | **Company Name:** | Praxair, Inc. |

*Call emergency numbers 24 hours a day only for spills, leaks, product. For routine information contact your supplier, Praxair 1-800-PRAXAIR (1-800-772-9247).

This MSDS is provided by APTwater FOR REFERENCE ONLY!
Material Safety Data Sheets posted or filed for use by employee-operators of HiPOx equipment as required by law or regulation must be:
1. provided by the employer/owner/lessee and
2. provided the actual manufacturer or re-seller of the listed compound, solution or mixture.

## 2. Composition / Information o

**For custom mixtures of this product request a Material Safety Data Sheet for each component. See Section 16 for important information about mixtures.**

| INGREDIENT NAME | CAS NUMBER | PERCENTAGE | OSHA PEL | ACGIH TLV-TWA |
|---|---|---|---|---|
| Oxygen | 7782-44-7 | >99%* | None currently established | None currently established |

**The symbol ">" means "greater than."*

## 3. Hazards Identification

**EMERGENCY OVERVIEW**

**WARNING! High-pressure, oxidizing gas.**
**Vigorously accelerates combustion.**
**Self-contained breathing apparatus may be required by rescue workers.**
**Odor: None**

**THRESHOLD LIMIT VALUE:** None currently established— ACGIH 1997 recommends a TLV-TWA of 0.5 mg/m$^3$ for welding fumes not otherwise classified (NOC) thatmay be generated during welding with this product. See section 16 for more information on welding hazards.

**EFFECTS OF A SINGLE (ACUTE) OVEREXPOSURE:**

**INHALATION–**Breathing 80% or more oxygen at atmospheric pressure for more than a few hours may cause nasal stuffiness, cough, sore throat, chest pain and breathing difficulty. Breathing oxygen at

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higher pressure increases the likelihood of adverse effects within a shorter time period. Breathing pure oxygen under pressure may cause lung damage and also central nervous system effects resulting in dizziness, poor coordination, tingling sensation, visual and hearing disturbances, muscular twitching, unconsciousness and convulsions. Breathing oxygen under pressure may cause prolongation of adaptation to darkness and reduced peripheral vision.
**SKIN CONTACT–**No harm expected.
**SWALLOWING–**This product is a gas at normal temperature and pressure.
**EYE CONTACT–**No harm expected.

**EFFECTS OF REPEATED (CHRONIC) OVEREXPOSURE:** No harm expected.

**OTHER EFFECTS OF OVEREXPOSURE:** See section 11, Toxicological Information.

**MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:** See section 11, Toxicological Information.

**SIGNIFICANT LABORATORY DATA WITH POSSIBLE RELEVANCE TO HUMAN HEALTH HAZARD EVALUATION:** None known.

**CARCINOGENICITY:** Oxygen is not listed by NTP, OSHA, or IARC.

## 4. First Aid Measures

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. Keep victim warm and at rest. Call a physician. Advise the physician that the victim has been exposed to a high concentration of oxygen.**SKIN CONTACT:** No emergency care anticipated.

**SWALLOWING:** This product is a gas at normal temperature and pressure.

**EYE CONTACT:** No emergency care anticipated.

***NOTES TO PHYSICIAN:*** *Supportive treatment should include immediate sedation, anti-convulsive therapy if needed, and rest. See section 11, Toxicological Information.*

## 5. Fire Fighting Measures

| | | | | |
|---|---|---|---|---|
| **FLASH POINT (test method)** | Not applicable | **AUTOIGNITION TEMPERATURE** | Not applicable | |
| **FLAMMABLE LIMITS IN AIR, % by volume** | **LOWER** | Not applicable | **UPPER** | Not applicable |

**EXTINGUISHING MEDIA:** Vigorously accelerates combustion. Use media appropriate for surrounding fire. Water (e.g. safety shower) is the preferred extinguishing media for clothing fires.

**SPECIAL FIRE FIGHTING PROCEDURES:**
**WARNING! High-pressure, oxidizing gas.** Evacuate all personnel from danger area. Immediately deluge cylinders with water from maximum distance until cool, then move them away from fire area if without risk. Self-contained breathing apparatus may be required by rescue workers. On-site fire brigades must comply with OSHA 29 CFR 1910.156.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Oxidizing agent; vigorously accelerates combustion. Contact with flammable materials may cause fire or explosion. Heat of fire can build pressure in cylinder and cause it to rupture. Oxygen cylinders are equipped with a pressure relief device (Exceptions may exist where authorized by DOT.) No part of a cylinder should be subjected to a temperature higher than

125F (52C). Smoking, flames, and electric sparks in the presence of enriched oxygen atmospheres are potential explosion hazards.

**HAZARDOUS COMBUSTION PRODUCTS:** None known.

## 6. Accidental Release Measures

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:**
**WARNING! High-pressure, oxidizing gas.** Shut off flow if without risk. Ventilate area or move cylinder to well-ventilated area. Remove all flammable materials from vicinity. Oxygen must never be permitted to strike an oily surface, greasy clothes, or other combustible material.

**WASTE DISPOSAL METHOD:** Prevent waste from contaminating the surrounding environment. Keep personnel away. Discard any product, residue, disposable container or liner in an environmentally acceptable manner, in full compliance with federal, state, and local regulations. If necessary, call your local supplier for assistance.

## 7. Handling and Storage

**PRECAUTIONS TO BE TAKEN IN STORAGE:** Store and use with adequate ventilation, away from oil, grease, and other hydrocarbons. Separate oxygen cylinders from flammables by at least 20 feet or use a barricade of noncombustible material. This barricade should be at least 5 feet high and have a fire resistance rating of at least ½ hour. Firmly secure cylinders upright to keep them from falling or being knocked over. Screw valve protection cap firmly in place by hand. Store only where temperature will not exceed 125°F (52°C). Store full and empty cylinders separately. Use a first-in, first-out inventory system to prevent storing full cylinders for long periods.

**PRECAUTIONS TO BE TAKEN IN HANDLING:** Protect cylinders from damage. Use a suitable hand truck to move cylinders; do not drag, roll, slide, or drop. Never attempt to lift a cylinder by its cap; the cap is intended solely to protect the valve. Never insert an object (e.g., wrench, screwdriver, pry bar) into cap openings; doing so may damage the valve and cause a leak. Use an adjustable strap wrench to remove over-tight or rusted caps. Open valve slowly. If valve is hard to open, discontinue use and contact your supplier. Never apply flame or localized heat directly to any part of the cylinder. High temperatures may damage the cylinder and could cause the pressure relief device to fail prematurely, venting the cylinder contents. Never strike an arc on a compressed gas cylinder or make a cylinder part of an electrical circuit. For other precautions in using oxygen, see section 16.

**Precautions when using oxygen in welding and cutting:** Read and understand the manufacturer's instructions and the precautionary labels on the products. See American National Standards Institute (ANSI) Z49.1, *Safety in Welding and Cutting*, published by the American Welding Society, PO Box 351040, Miami, Florida 33135 and National Fire Protection Association (NFPA) 51,*Oxygen Fuel Gas Welding and Cutting*.

## 8. Exposure Controls/Personal Protection

**VENTILATION/ENGINEERING CONTROLS:**

**LOCAL EXHAUST–**Use a local exhaust system, if necessary, to prevent increased oxygen concentration and, in welding, to keep hazardous fumes and gases below applicable TLVs in the worker's breathing zone.

**MECHANICAL (general)**–General exhaust ventilation may be acceptable if it can maintain a supply of air that is not too rich in oxygen and, during welding, can keep hazardous fumes and gases below the applicable TLVs in the worker's breathing zone.
**SPECIAL–**None
**OTHER–**None

**RESPIRATORY PROTECTION:** None required under normal use. However, air-supplied respirators are required while working in confined spaces with this product. For welding, use air-purifying or air-supplied respirators, as appropriate, where local or general exhaust ventilation is inadequate. Adequate ventilation must keep worker exposure below applicable TLVs for fumes, gases and other by-products of welding with oxygen. See sections 3, 10, and 16 for details. The respiratory protection use must conform with OSHA rules as specified in 29 CFR 1910.134.

**SKIN PROTECTION:** Wear work gloves when handling cylinders; welding gloves for welding. Gloves must be free of oil and grease.

**EYE PROTECTION:** Wear safety glasses when handling cylinders. For welding, wear goggles with filter lens selected as per ANSI Z49.1. Provide protective screens and goggles, if necessary, to protect others. Select as per OSHA 29 CFR 1910.33

**OTHER PROTECTIVE EQUIPMENT:** Metatarsal shoes for cylinder handling. Select in accordance with OSHA 29 CFR 1910.132 and 1910.133. As needed for welding, wear hand, head, and body protection to help prevent injury from radiation and sparks. (See ANSI Z49.1.) At a minimum this includes welder's gloves and protective goggles, and may include arm protectors, aprons, hats, shoulder protection, as well as substantial clothing. Regardless of protective equipment, never touch live electrical parts.

## 9. Physical and Chemical Properties

| | |
|---|---|
| **MOLECULAR WEIGHT:** 31.9988 | **EXPANSION RATIO:** Not applicable |
| **SPECIFIC GRAVITY (air=1):** At 70°F (21.1°C) and 1 atm: 1.105 | **SOLUBILITY IN WATER:** vol/vol at 32°F (0°C): 0.0491 |
| **GAS DENSITY:** At 70°F (21.1°C) and 1 atm: 0.083279 lbs/ft$^3$(1.326 kg/m3) | **VAPOR PRESSURE:** AT 68°F (20°C): Not applicable |
| **PERCENT VOLATILES BY VOLUME:** 100 | **EVAPORATION RATE (Butyl Acetate=1):** Gas, not applicable |
| **BOILING POINT (1 atm):** -297.33°F (182.96°C) | **pH:** Not applicable |
| **FREEZING POINT (1 atm):** -361.8°F (-218.78°C ) | |

**APPEARANCE, ODOR, AND STATE:** Colorless, odorless, tasteless gas at normal temperature and pressure.

## 10. Stability and Reactivity

| | | | | |
|---|---|---|---|---|
| **STABILITY:** | **Unstable** | | **Stable** | **X** |

**7INCOMPATIBILITY (materials to avoid):** Combustible materials, asphalt, flammable materials, especially oils and greases. Oxygen reacts with many materials. See NFPA 491M,*Manual of Hazardous Chemical Reactions* for details.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None.

| | | | | |
|---|---|---|---|---|
| **HAZARDOUS POLYMERIZATION:** | **May Occur** | | **Will Not Occur** | **X** |

**CONDITIONS TO AVOID:** None currently known.

## 11. Toxicological Information

At atmospheric concentration and pressure, oxygen poses no toxicity hazards. At high concentrations, newborn premature infants may suffer delayed retinal damage (retrolental fibroplasia) that can progress to retinal detachment and blindness. Retinal damage may also occur in adults exposed to 100% oxygen for extended periods (24 to 48 hours) or at greater than atmospheric pressure, particularly in individuals whose retinal circulation has been previously compromised. All individuals exposed for long periods to oxygen at high pressure and all who exhibit overt oxygen toxicity should have ophthalmologic examinations.

At two or more atmospheres, toxicity to the Central Nervous System (CNS) occurs. Symptoms include nausea, vomiting, dizziness or vertigo, muscle twitching, vision changes, and loss of consciousness and generalized seizures. At three atmospheres, CNS toxicity occurs in less than two hours; at six atmospheres, in only a few minutes.

Patients with chronic obstructive pulmonary disease retain carbon dioxide abnormally. If oxygen is administered, raising their blood oxygen concentration, their breathing becomes depressed and retained carbon dioxide rises to a dangerous level.

Animal studies suggest that the administration of certain drugs, including phenothiazine drugs and chloroquine, increases the susceptibility to toxicity from oxygen at high concentrations or pressures. Animal studies also indicate that vitamin E deficiency may increase susceptibility to oxygen toxicity.

Airway obstruction during high oxygen tension may cause alveolar collapse following absorption of the oxygen. Similarly, occlusion of the eustachian tubes may cause retraction of the eardrum and obstruction of the paranasal sinuses may produce vacuum-type headache.

## 12. Ecological Information

No adverse ecological effects expected. Oxygen does not contain any Class I or Class II ozone-depleting chemicals. Oxygen is not listed as a marine pollutant by DOT.

## 13. Disposal Considerations

**WASTE DISPOSAL METHOD:** Do not attempt to dispose of residual or unused quantities. Return cylinder to supplier. For emergency disposal, secure cylinder in a well-ventilated area or outdoors, then slowly discharge gas to the atmosphere.

## 14. Transport Information

| | |
|---|---|
| **DOT/IMO SHIPPING NAME:** Oxygen, compressed | **HAZARD CLASS:** 2.2 |
| **IDENTIFICATION NUMBER:** UN 1072 | **PRODUCT RQ:** Not applicable |

**SHIPPING LABEL(s):** OXYGEN. An oxygen label may be used for domestic shipment in the United States and Canada in place of the NONFLAMMABLE GAS and OXIDIZER labels (49 CFR Part 172).

**PLACARD (When required):** Nonflammable gas or oxygen

**SPECIAL SHIPPING INFORMATION:** Cylinders should be transported in a secure position, in a well-ventilated vehicle. Cylinders transported in an enclosed, nonventilated compartment of a vehicle can present serious safety hazards.
Shipment of compressed gas cylinders that have been filled without the owner's consent is a violation of federal law [49 CFR 173.301(b)].

## 15. Regulatory Information

The following selected regulatory requirements may apply to this product. Not all such requirements are identified. Users of this product are solely responsible for compliance with all applicable federal, state, and local regulations.

**U.S. FEDERAL REGULATIONS:**

**EPA (Environmental Protection Agency)**

**CERCLA:** Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (40 CFR Parts 117 and 302):

**Reportable Quantity (RQ):** None

**SARA:** Superfund Amendment and Reauthorization Act:

- **SECTIONS 302/304:** Require emergency planning based on Threshold Planning Quantity (TPQ) and release reporting based on Reportable Quantities (RQ) of extremely hazardous substances (40 CFR Part 355):

  **Threshold Planning Quantity (TPQ):** None.
  **Extremely Hazardous Substances (40 CFR 355):** None.

- **SECTIONS 311/312:** Require submission of Material Safety Data Sheets (MSDSs) and chemical inventory reporting with identification of EPA hazard categories. The hazard categories for this products are as follows:

  IMMEDIATE: No
  DELAYED: No
  PRESSURE: Yes
  REACTIVITY: No
  FIRE: Yes

- **SECTION 313:** Requires submission of annual reports of release of toxic chemicals that appear in 40 CFR Part 372.

  Oxygen does not require reporting under Section 313.

**40 CFR 68:** Risk Management Program for Chemical Accidental Release Prevention: Requires development and implementation of risk management programs at facilities that manufacture,

use, store, or otherwise handle regulated substances in quantities that exceed specified thresholds.

Oxygen is not listed as a regulated substance.

**TSCA:** Toxic Substances Control Act: Oxygen is listed on the TSCA inventory.

**OSHA (OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION):**

**29 CFR 1910.119:** Process Safety Management of Highly Hazardous Chemicals: Requires facilities to develop a process safety management program based on Threshold Quantities (TQ) of highly hazardous chemicals.

Oxygen is not listed in Appendix A as a highly hazardous chemical.

**STATE REGULATIONS:**

**CALIFORNIA:** This product is not listed by California under the Safe Drinking Water Toxic Enforcement Act of 1986 (Proposition 65).

**PENNSYLVANIA:** This product is subject to the Pennsylvania Worker and Community Right-To-Know Act (35 P.S. Sections 7301-7320).

## 16. Other Information

Be sure to read and understand all labels and instructions supplied with all containers of this product.

**WARNING:** Medical grades of Oxygen are subject to strict federal regulation, and are for use only under the control of a licensed physician or clinician, familiar with the product and its hazards.

**ADDITIONAL SAFETY AND HEALTH HAZARDS:** ***High-pressure, oxydizing gas***. Clean all gauges, valves, regulators, piping, and equipment to be used in oxygen service in accordance with CGA pamphlet G-4.1. Keep cylinders and their valves free of oil and grease. Use piping and equipment adequately designed to withstand pressures to be encountered. Close cylinder valve after each use; keep closed even when empty.***Never use oxygen as a substitute for compressed air.*** Never use an oxygen jet for cleaning purposes of any sort, especially for clothing. Oxygen increases the likelihood of an engulfing fire. ***Prevent reverse flow.*** Reverse flow into cylinder may cause rupture. Use a check valve or other protective device in any line or piping from the cylinder***Never work on a pressurized system.*** If there is a leak, close the cylinder valve. Blow the system down in a safe and environmentally sound manner in compliance with all federal, state and local laws; then repair the leak***Never ground a compressed gas cylinder or allow it to become part of an electrical circuit.***

***Personnel who have been exposed to high concentrations of oxygen*** should stay in a well-ventilated or open area before going into a confined space or near an ignition source.

**SPECIAL PRECAUTIONS:** ***Use in welding and cutting.*** Read and understand the manufacturer's instructions and the precautionary label on the product. See American Standard Z49.1, Safety in Welding and Cutting, published by the American Welding Society, PO Box 351040, Miami, FL 33135, and OSHA Publication 2206 (29CFR 1910), US Government Printing Office, Washington, DC 20402, for more information.

***Arcs and sparks can ignite combustible materials.*** Prevent fires. Refer to NFPA 51B, "Cutting and Welding Processes."***Do not strike an arc on the cylinder.*** The defect produced by an arc burn could lead to cylinder rupture.

**MIXTURES:** When you mix two or more gases or liquefied gases, you can create additional, unexpected hazards. Obtain and evaluate the safety information for each component before you produce the mixture. Consult an industrial hygienist, or other trained person when you evaluate the end product. Remember, gases and liquids have properties that can cause serious injury or death.

**HAZARD RATING SYSTEMS:**

| **NFPA RATINGS:** | | **HMIS RATINGS:** | |
|---|---|---|---|
| HEALTH | = 0 | HEALTH | = 0 |
| FLAMMABILITY | = 0 | FLAMMABILITY | = 0 |
| REACTIVITY | = 0 | REACTIVITY | = 0 |
| SPECIAL | = OX (Oxidizer) | | |

**STANDARD VALVE CONNECTIONS FOR U.S. AND CANADA:**

| | | |
|---|---|---|
| **THREADED**: | 0-3000 psig | CGA-540 |
| | 3001-4000 psig | CGA-577 |
| | 4001-5500 psig | CGA-701 |
| **PIN-INDEXED YOKE:** | 0-3000 psig | CGA-870 (Medical Use) |
| **ULTRA-HIGH-INTEGRITY CONNECTION:** | 0-3000 psig | CGA-714 |

Use the proper CGA connections. **DO NOT USE ADAPTERS.**

Ask your supplier about free Praxair safety literature as referenced on the label for this product; you may also obtain copies by calling 1-800-PRAXAIR. Further information about oxygen can be found in the following pamphlets published by the Compressed Gas Association, Inc. (CGA), 1725 Jefferson Davis Highway, Arlington, VA 22202-4102, Telephone (703) 412-0900.

AV-1 *Safe Handling and Storage of Compressed Gases*
AV-8 *Characteristics and Safe Handling of Cryogenic Liquid and Gaseous Oxygen*
G-4.3 *Commodity Specification for Gaseous and Liquid Oxygen*
G-4.1 *Cleaning Equipment for Oxygen Service*
G-4.3 *Commodity Specification for Oxygen*
P-1 *Safe Handling of Compressed Gases in Containers*
P-2 *Characteristics and Safe Handling of Medical Gases*
P-14 *Accident Prevention in Oxygen-Rich, Oxygen-Deficient Atmospheres*
SB-2 *Oxygen-Deficient Atmospheres*
SB-8 *Use of Oxy-Fuel Gas Welding and Cutting Apparatus*
V-1 *Compressed Gas Cylinder Valve Inlet and Outlet Connections*
--- *Handbook of Compressed Gases, Third Edition*

Praxair asks users of this product to study this Material Safety Data Sheet (MSDS) and become aware of product hazards and safety information. To promote safe use of this product, a user should (1) notify employees, agents and contractors of the information on this MSDS and of any other known product hazards and safety information, (2) furnish this information to each purchaser of the product, and (3) ask each purchaser to notify its employees and customers of the product hazards and safety information.

The opinions expressed herein are those of qualified experts within Praxair, Inc. We believe that the information contained herein is current as of the date of this Material Safety Data Sheet. Since the use of this information and the conditions of use of the product are not within the control of Praxair, Inc., it is the user's obligation to determine the conditions of safe use of the product.

Praxair MSDSs are furnished on sale or delivery by Praxair or the independent distributors and suppliers who package and sell our products. To obtain current Praxair MSDSs for these products, contact your Praxair sales representative or local distributor or supplier. If you have questions regarding Praxair MSDSs, would like the form number and date of the latest MSDS, or would like the names of the Praxair suppliers in your area, phone or write the Praxair Call Center ( **Phone:** 1-800-PRAXAIR; **Address:** Praxair Call Center, Praxair, Inc., PO Box 44, Tonawanda, NY 14150-7891).

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# APPENDIX B
# FLOW CHART AND REPORTING FORM FOR OIL OR HAZARDOUS MATERIAL SPILLS AND RELEASES IN THE STATE OF GEORGIA

# Georgia Oil or Hazardous Material Spills and Releases Reporting

**Every spill must be cleaned up**, whether or not it is reportable. [OCGA §12-8-2]
It is the duty to immediately take all reasonable and necessary steps to prevent injury to property and downstream users of waters of the State of Georgia. [Chapter 391-3-6-.05(3)]

## OCGA §12-14-1 [Law] Oil or Hazardous Material Spill or Release Act

**Who Reports:**

Anyone who **owns** or **has control** of a spilled/released substance

**What to Report:**

Oil*
**Unknown amount**
OR
Amount that creates a **significant sheen on top of state waters** or creates an **emulsion or sludge under state waters****

**What to Report:**

Hazardous Materials***
**Unknown amount** spilled/released **into environment**
OR
Amount **exceeding the reportable quantity** (RQ)

**When to Report:**

**Immediately** upon having knowledge of a spill/release. EPA has determined immediately to mean **within 15 minutes**

**Whom to Report to:**

Georgia EPD Emergency Operations Center
**800-241-4113**

## 391-3-6-.05(3) [Rule] Water Quality Control Emergency Actions

**Who Reports:**

The **person in charge** of a spilled/released substance

**What to Report:**

Any **toxic or taste and color producing substance, or any other substance which would endanger downstream users** of the waters of the State or would damage property, is **discharged** into such waters, or is so **placed that it might flow, be washed, or fall into** them

**When to Report:**

At the time **forthwith (15 minutes)**

**Whom to Report to:**

Georgia EPD Emergency Operations Center
**800-241-4113**
or local district/branch office

## 391-3-15-.08 [Rule] Underground Storage Tank Petroleum Spills

**Who Reports:**

**Owner or operator** of UST system

**What to Report:**

Spill or overfill of petroleum that exceeds **25 gallons**
OR
Amount that creates a **significant sheen on state waters**

**When to Report:**

Within **24 hours**

**Whom to Report to:**

UST Program **404-362-2687** during business hours or Georgia EPD Emergency Operations Center **800-241-4113** after hours

* OIL: includes but is not limited to gasoline, crude oil, fuel oil, diesel oil, lubricating oil, sludge, oil refuse, oil mixed with wastes, and any other petroleum related product.
** EXEMPTION: Accidental discharges of oil made by an individual during maintenance of that individual's personal vehicle or farm machinery shall be exempt.
*** EXEMPTION: A hazardous substance does not include: natural gas, natural gas liquids, liquefied natural gas, synthetic gas usable for fuel, or mixtures of natural gas and such synthetic gas.

This document is intended to provide a brief informational summary of responsibility for spill reporting in accordance with state regulations. It is not intended to be complete legal guidance on the issue. [Revised: February 2010]

**Georgia Department of Natural Resources**
1885 Tobacco Road, Augusta, Georgia 30906
Mark Williams, Commissioner
F. Allen Barnes, Director
Environmental Protection Division
(706) 792-7744

# Georgia Environmental Protection Division
# Emergency Response Team

## Release and Remediation Report

## Instructions

This report should be used by the responsible party in conjunction with the responsible party's environmental contractor to document the circumstances surrounding the release, release reporting, and efforts taken which resulted in the containment of the release and the clean up of free product and contaminated materials. It is not meant to be used to detail long-term actions that might include soil or groundwater remediation. Other Branches within the Environmental Protection Division will handle long-term remediation actions. If needed following the submission of this report, you will be contacted by the appropriate Branch to determine the way forward for these long-term remedial actions. Should you be asked by the State On Scene Coordinator (SOSC) or Division Duty Officer (DDO) to submit a report concerning a particular release, it is recommended that you use this reporting form. If you are requested to submit a release and remediation report, it is requested that the report be submitted no later than thirty (30) days of completion of your emergency response activities. The preferred method of submission of this report is via an electronic submission directly to the Emergency Response Program State On-Scene Coordinator who responded to the spill. Their names and e-mail addresses are located below. Alternately, this report can be mailed to the appropriate State On-Scene Coordinator at one of the addresses indicated below:

Environmental Protection Division
Northeast District
Augusta Satellite Office
1885 Tobacco Road
Augusta, Georgia 30906
Al.Frazier@dnr.state.ga.us

Environmental Protection Division
Mountain District
16 Center Road
Cartersville, Georgia 30120
Scott.Coburn@dnr.state.ga.us
Jerry.Campbell@dnr.state.ga.us

Environmental Protection Division
Coastal District
400 Commerce Center Drive
Brunswick, Georgia 31523
Michelle.Cortes@dnr.state.ga.us

# Georgia Environmental Protection Division
# Emergency Response Team

## Release and Remediation Report

*(Enter responses regarding the incident in the spaces to the right.)*

| Incident Initial Information | Response (as applicable) |
|---|---|
| Date/Time Incident Occurred | |
| Incident Location: Physical Address | |
| Incident Location: Nearest City or Town | |
| Incident Location: County | |
| Incident Location: Latitude / Longitude | |
| EPD Complaint Tracking System ID Number | |
| Date/Time Reported to Georgia State Emergency Operations Center | |
| Date/Time Reported to National Response Cntr | |
| Date/Time Reported to Local Fire Department | |
| Date/Time Reported to Local Emergency Management Agency | |
| Date/Time Reported to Local Emergency Planning Committee | |
| Date Clean-up Commenced | |
| Date Clean-up Completed | |

*(Enter responses regarding the responsible party in the spaces to the right.)*

| Responsible Party Information | Response (as applicable) |
|---|---|
| Responsible Party or Firm Name | |
| Responsible Party Contact Person | |
| Responsible Party Mailing Address | |
| Responsible Party City, State, ZIP Code | |
| Responsible Party Telephone | |
| Responsible Party 24-hour Telephone | |
| Responsible Party Facsimile | |
| Responsible Party Electronic Mail Address | |

*(Enter responses regarding the remediation contractor in the spaces to the right.)*

| Remediation Contractor Information | Response (as applicable) |
|---|---|
| Remediation Contractor Firm Name | |
| Remediation Contractor Contact Person | |
| Remediation Contractor Mailing Address | |
| Remediation Contractor City, State, ZIP Code | |
| Remediation Contractor Telephone | |
| Remediation Contractor 24-hour Telephone | |
| Remediation Contractor Facsimile | |
| Remediation Contractor Electronic Mail Address | |

# Georgia Environmental Protection Division
# Emergency Response Team

## Release and Remediation Report

*(Only enter those substances released during the incident in the spaces to the right; leave others blank.)*

| Material(s) Released to the Environment | Amount Released | Units of Measure |
|---|---|---|
| Gasoline | | |
| Diesel | | |
| Aviation Gas / Jet Fuel | | |
| Fuel Oil | | |
| Hydraulic Fluid, Used or Waste Oil | | |
| Transformer Oil (designate “mineral” or “PCB”) | | |
| Untreated Sewage or Wastewater | | |
| Treated Sewage or Wastewater | | |
| Sludge | | |
| Hazardous Substances (list chemical, CASRN) | | |
| | | |
| | | |
| Other Materials (Specify below) | | |
| | | |
| | | |

*(Enter those environmental media affected during the incident in the spaces to the right; leave others blank.)*

| Affected Environmental Media | Affected? (Yes) | Name of Receiving Body (if known) |
|---|---|---|
| Air | | Not Applicable |
| Coastal Waters | | |
| Inland Surface Waters | | |
| Storm Drains | | |
| Open Ditches | | |
| Groundwater | | |
| Wetlands | | |
| Soil | | |
| Impervious Surface | | |
| Other (Specify below) | | |
| | | |

*(Only enter those initiating events causing the incident in the spaces to the right; leave others blank.)*

| Initiating Event Causing Release | Source? (Yes) | Additional Information |
|---|---|---|
| Motor Vehicle Accident? | | |
| Train Accident? | | |
| Aviation Accident? | | |
| Marine Accident? | | |

## Georgia Environmental Protection Division
## Emergency Response Team

## Release and Remediation Report

| | | |
|---|---|---|
| Fire or Explosion? | | |
| Power Failure? | | |
| Process Upset? | | |
| Container or Tank Overfill? | | |
| Fixed, Cargo or Fuel Tank Leak? | | |
| Piping or Dispensing System? | | |
| Other (Specify below)? | | |
| | | |

*(Enter those clean-up actions used during the incident in the spaces to the right; leave others blank.)*

| Release Clean-up and Remediation | Response (Yes) | Applicable Amount (if known) |
|---|---|---|
| Soil Excavated? Dimensions ( LxWxD ) | | |
| Absorbents Used? | | |
| Skimmer(s) Used? | | |
| Boom(s) Used? | | |
| Vacuum Trucks Used? | | |
| Neutralization Used? | | |
| Attenuation Used? | | |
| Other Clean-up Mechanisms Used? (Specify below) | | |
| | | |
| Free Product Recovered? | | |
| Free Product Returned to Process? | | |
| Free Product Sent to Wastewater Treatment? | | |
| Free Product Sent to Recycling Facility? | | |
| Free Product Sent Elsewhere? (Specify below) | | |
| | | |
| Contaminated Soil Sent to Solid Waste Landfill? | | |
| Contaminated Soil Sent to Hazardous Waste Landfill? | | |
| Contaminated Soil Thermally Treated? | | |
| Other Disposal Route for Contaminated Soil? (Specify below) | | |
| | | |
| Other Materials or Debris Removed? | | |
| Debris Sent to Solid Waste Landfill? | | |

# Georgia Environmental Protection Division
# Emergency Response Team

## Release and Remediation Report

| | | |
|---|---|---|
| Debris Sent to Hazardous Waste Landfill? | | |
| Other Disposal Route for Debris? (Specify below) | | |
| | | |

| Attachments (as applicable) | Included? (Yes) | Additional Information |
|---|---|---|
| Summary of incident description, corrective actions taken, preventative measures instituted, and photographs. | | |
| A scaled map of the site that includes all roads, highways and ditches, and shows the location(s) of the spill(s) and areas where released materials were recovered or treated. | | |
| Documentation that demonstrates proper recycling, treatment or disposal of all materials (e.g., landfill weight tickets). | | |
| A table indicating the identification, depth, and field soil screening results of each sample taken. | | |
| Copies of any field or laboratory analytical results. | | |
| Other documentation (Specify below)? | | |
| | | |
| | | |
| | | |

| Certification | |
|---|---|
| *I certify to the best of my knowledge that the provided information and attachments are correct and accurate.* | |
| Authorized Representative Name | |
| Authorized Representative Organization | |
| Certification Date | |
| Signature<br>The Georgia Electronic Records and Signatures Act, O.C.G.A. § 10-12-1 et seq. provides for the use of electronic signatures. | |