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SAILORS ENGINEERING ASSOCIATES, INC.
1675 SPECTRUM DRIVE • LAWRENCEVILLE, GEORGIA 30043 • TEL (770) 962-5922 • FAX 962-7964

VOLUNTARY REMEDIATION PROGRAM APPLICATION
VOLUNTARY INVESTIGATION AND REMEDIATION PLAN
IDEAL CLEANERS
224 GREENVILLE STREET
LAGRANGE, TROUP COUNTY, GEORGIA

HSI #10931
SEA JOB #172-094

SUBMITTED:
OCTOBER 31, 2017

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SAILORS ENGINEERING ASSOCIATES, INC.
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October 31, 2017

Mr. Jason Metzger
Georgia Department of Natural Resources
Environmental Protection Division
205 Butler Street, S.E.
Floyd Towers East, Suite 1054
Atlanta, GA 30334

RE: VRP Application
Ideal Cleaners
224 Greenville Street
LaGrange, Troup County, Georgia
HSI #10931
SEA Job No. 172-094

Dear Mr. Metzger:

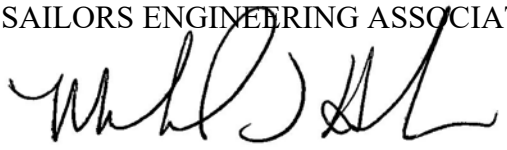
Sailors Engineering Associates, Inc. (SEA) appreciates this opportunity to submit this Voluntary Remediation Program application and Voluntary Investigation and Remediation Plan (VIRP) on behalf of Goode Family, LLC. This application and attached check for $5,000.00 constitute an application for the Voluntary Remediation Program.

I certify, under penalty of law, that the enclosed electronic copy is complete, identical to the paper copy, and virus free.

If you have any questions or require any additional information, please contact us at your convenience.

Respectfully submitted,

SAILORS ENGINEERING ASSOCIATES, INC.



Michael J Haller, P.G.
Manager, Environmental Engineering

cc: Mr. Lewis Goode, III, President, Ideal Cleaners.

Voluntary Investigation and Remediation Plan Application Form and Checklist

VRP APPLICANT INFORMATION					
COMPANY NAME	Ideal Cleaners, Inc.				
CONTACT PERSON/TITLE	Lewis Goode, III, President				
ADDRESS	224 Greenville Street, LaGrange, GA 30241				
PHONE	706-333-8822	**FAX**		**E-MAIL**	LLG3@Bellsouth.net

GEORGIA CERTIFIED PROFESSIONAL GEOLOGIST OR PROFESSIONAL ENGINEER OVERSEEING CLEANUP					
NAME	Michael J. Haller			**GA PE/PG NUMBER**	1062
COMPANY	Sailors Engineering Associates, Inc.				
ADDRESS	1675 Spectrum Drive, Lawrenceville, GA 30043				
PHONE	770-962-5922	**FAX**	770-962-7964	**E-MAIL**	mike@sailors-engineering.com

APPLICANT'S CERTIFICATION

In order to be considered a qualifying property for the VRP:

(1) The property must have a release of regulated substances into the environment;
(2) The property shall not be:
- (A) Listed on the federal National Priorities List pursuant to the federal Comprehensive Environmental Response, Compensation, and Liability Act, 42 U.S.C. Section 9601.
- (B) Currently undergoing response activities required by an order of the regional administrator of the federal Environmental Protection Agency; or
- (C) A facility required to have a permit under Code Section 12-8-66.

(3) Qualifying the property under this part would not violate the terms and conditions under which the division operates and administers remedial programs by delegation or similar authorization from the United States Environmental Protection Agency.
(4) Any lien filed under subsection (e) of Code Section 12-8-96 or subsection (b) of Code Section 12-13-12 against the property shall be satisfied or settled and released by the director pursuant to Code Section 12-8-94 or Code Section 12-13-6.

In order to be considered a participant under the VRP:
- (1) The participant must be the property owner of the voluntary remediation property or have express permission to enter another's property to perform corrective action.
- (2) The participant must not be in violation of any order, judgment, statute, rule, or regulation subject to the enforcement authority of the director.

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.

I also certify that this property is eligible for the Voluntary Remediation Program (VRP) as defined in Code Section 12-8-105 and I am eligible as a participant as defined in Code Section 12-8-106.

APPLICANT'S SIGNATURE	Lewis L Goode III 10/06/17		
APPLICANT'S NAME/TITLE (PRINT)	Lewis Goode, III, President Lewis L. Goode, III Pres	**DATE**	

QUALIFYING PROPERTY INFORMATION (For additional qualifying properties, please refer to the last page of application form)			
HAZARDOUS SITE INVENTORY INFORMATION (if applicable)			
HSI Number	10931	Date HSI Site listed	March 9,2015
HSI Facility Name	Ideal Cleaners	NAICS CODE	812320
PROPERTY INFORMATION			
TAX PARCEL ID	050-3B-018-006	PROPERTY SIZE (ACRES)	0.66
PROPERTY ADDRESS	224 Greenville St.		
CITY	LaGrange	COUNTY	Troup
STATE	Georgia	ZIPCODE	30241
LATITUDE (decimal format)	33.039444	LONGITUDE (decimal format)	-85.027778
PROPERTY OWNER INFORMATION			
PROPERTY OWNER(S)	Goode Family, LLC	PHONE #	706-333-8822
MAILING ADDRESS	224 Greenville St.		
CITY	LaGrange	STATE/ZIPCODE	GA 30241

ITEM #	DESCRIPTION OF REQUIREMENT	Location in VRP (i.e. pg., Table #, Figure #, etc.)	For EPD Comment Only (Leave Blank)
1.	**$5,000 APPLICATION FEE** IN THE FORM OF A CHECK PAYABLE TO THE GEORGIA DEPARTMENT OF NATURAL RESOURCES. (PLEASE LIST CHECK DATE AND CHECK NUMBER IN COLUMN TITLED "LOCATION IN VRP." PLEASE DO NOT INCLUDE A SCANNED COPY OF CHECK IN ELECTRONIC COPY OF APPLICATION.)	**Check# _____ Dated _____**	
2.	**WARRANTY DEED(S)** FOR QUALIFYING PROPERTY.	**Appendix 3**	
3.	**TAX PLAT** OR OTHER FIGURE INCLUDING QUALIFYING PROPERTY BOUNDARIES, ABUTTING PROPERTIES, AND TAX PARCEL IDENTIFICATION NUMBER(S).	**Appendix 3**	
4.	**ONE (1) PAPER COPY AND TWO (2) COMPACT DISC (CD) COPIES** OF THE VOLUNTARY REMEDIATION PLAN IN A SEARCHABLE PORTABLE DOCUMENT FORMAT (PDF).	**Included**	
5.	The VRP participant's initial plan and application must include, using all reasonably available current information to the extent known at the time of application, a graphic three-dimensional preliminary conceptual site model (CSM) including a preliminary remediation plan with a table of delineation standards, brief supporting text, charts, and figures (no more than 10 pages, total) that illustrates the site's surface and subsurface setting, the known or suspected source(s) of contamination, how contamination might move within the environment, the potential human health and ecological receptors, and the complete or incomplete exposure pathways that may exist at the site; the preliminary CSM must be updated as the investigation and remediation progresses and an up-to-date CSM must be included in each semi-annual status report submitted to the director by the participant; a **PROJECTED MILESTONE SCHEDULE** for investigation and remediation of the site, and after enrollment as a participant, must update the schedule in each semi-annual status report to the director describing implementation of the plan	**CSM - Section 2.0 & Appendix 1 Milestone – Section 4 & Appendix 4 Figures – Appendix 1 Tables – Appendix 2**	

	during the preceding period. A Gantt chart format is preferred for the milestone schedule. The following four (4) generic milestones are required in all initial plans with the results reported in the participant's next applicable semi-annual reports to the director. The director may extend the time for or waive these or other milestones in the participant's plan where the director determines, based on a showing by the participant, that a longer time period is reasonably necessary:		
5.a.	Within the first 12 months after enrollment, the participant must complete horizontal delineation of the release and associated constituents of concern on property where access is available at the time of enrollment;	**Section 4 & Appendix 4**	
5.b.	Within the first 24 months after enrollment, the participant must complete horizontal delineation of the release and associated constituents of concern extending onto property for which access was not available at the time of enrollment;	**Section 4 & Appendix 4**	
5.c.	Within 30 months after enrollment, the participant must update the site CSM to include vertical delineation, finalize the remediation plan and provide a preliminary cost estimate for implementation of remediation and associated continuing actions; and	**Section 4 & Appendix 4**	
5.d.	Within 60 months after enrollment, the participant must submit the compliance status report required under the VRP, including the requisite certifications.	**Section 4 & Appendix 4**	
6.	**SIGNED AND SEALED PE/PG CERTIFICATION** AND SUPPORTING DOCUMENTATION: "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 the 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 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." Michael J. Haller — 10/30/2015 Printed Name and GA PE/PG Number — Date Signature and Stamp MICHAEL J. HALLER GEORGIA REGISTERED PROFESSIONAL GEOLOGIST No. 1062	**Certification Page**	

ADDITIONAL QUALIFYING PROPERTIES (COPY THIS PAGE AS NEEDED)

PROPERTY INFORMATION			
TAX PARCEL ID		PROPERTY SIZE (ACRES)	
PROPERTY ADDRESS			
CITY		COUNTY	
STATE		ZIPCODE	
LATITUDE (decimal format)		LONGITUDE (decimal format)	
PROPERTY OWNER INFORMATION			
PROPERTY OWNER(S)		PHONE #	
MAILING ADDRESS			
CITY		STATE/ZIPCODE	

PROPERTY INFORMATION			
TAX PARCEL ID		PROPERTY SIZE (ACRES)	
PROPERTY ADDRESS			
CITY		COUNTY	
STATE		ZIPCODE	
LATITUDE (decimal format)		LONGITUDE (decimal format)	
PROPERTY OWNER INFORMATION			
PROPERTY OWNER(S)		PHONE #	
MAILING ADDRESS			
CITY		STATE/ZIPCODE	

PROPERTY INFORMATION			
TAX PARCEL ID		PROPERTY SIZE (ACRES)	
PROPERTY ADDRESS			
CITY		COUNTY	
STATE		ZIPCODE	
LATITUDE (decimal format)		LONGITUDE (decimal format)	
PROPERTY OWNER INFORMATION			
PROPERTY OWNER(S)		PHONE #	
MAILING ADDRESS			
CITY		STATE/ZIPCODE	

Table of Contents

1.0 INTRODUCTION

1.1 Objectives

The purpose of this Voluntary Investigation and Remediation Plan (VIRP) is to outline the steps necessary under the Georgia Voluntary Remediation Program (VRP) to investigate and remediate the Ideal Cleaners HSI Site #10931 located at 224 Greenville Street, LaGrange, Troup County Georgia. The subject property is currently owned by Goode Family, LLC. A Site Plan showing the location of the property is included as Figure 2 in Appendix 1. Copies of the warranty deed and a tax map are included in Appendix 3.

1.2 Site Description

The subject property is located along and south of Greenville Street at 224 Greenville Street, LaGrange, Troup County Georgia and is currently owned by Goode Family, LLC. The subject property is approximately 0.66 acres in size. Ideal Cleaners occupies the eastern 7,080 square feet of the roughly 8,169 square foot building. Ideal Cleaners is currently a hydrocarbon based dry cleaning business. The western portion of the building is currently occupied by an insurance agency.

The subject property is bordered on the north by Greenville Street, beyond which are various commercial properties; on the west by Oseligee Creek, a tributary to Tanyard Branch, followed by commercial property at 210 Greenville Street occupied by an automotive service facility then an equipment rental facility; on the south by an undeveloped tract owned by the Georgia Department of Transportation and LaFayette Parkway, an elevated, multi lane highway followed by a CSX rail line beyond which is a residential development; and to the east by commercial property which is currently operating as a coin laundry, beyond which is Alexander Street. The subject property is approximately 0.66 acres in size and the geographical center of the building is at approximate latitude of 33.039444° and approximate longitude of -85.027778°.

1.3 Site History

According to the Troup County tax records, the subject building was constructed in 1956. Mr. Lewis Goode, III, the operator of Ideal Cleaners, stated that a dry-cleaning business has operated at the subject property since the building was constructed. According to Mr. Goode, a hydrocarbon based system was initially used until the mid-1960's, when a chlorinated solvent system was installed. The chlorinated solvent system operated until approximately 1990 when the plant was reverted to a hydrocarbon system, which is currently in operation at the facility. The dry-cleaning equipment has always occupied the northwestern portion of the building and during the time of the chlorinated solvent operations, included an external solvent tank located along the western building wall near the northwest corner. The external tank was later replaced with an internal tank in the late 1970's.

1.4 Site Hydrogeology

The subject property is located in the physiographic province known as the Piedmont, which extends from the Hudson River at the north to Alabama at the south. The Piedmont, the least

mountainous portion of the Appalachian Highlands, is an area of intensely folded and faulted igneous and metamorphic rocks. The surface of the Piedmont can be described as a broadly undulating or rolling topography with low knobs or ridges, and valleys 30 to 300 feet thick. The underlying crystalline rocks of the Piedmont are the metamorphic schists, gneisses, quartzites and slates, and igneous granites and gabbros.

According to the *Physiographic Map of Georgia* (Clark and Zisa, 1976), the subject site is located in the Greenville Slope District. The Greenville Slope District is characterized by rolling topography that decreases gradually in elevation from 1,000 feet in the northeast to 600 feet in the southwest. All streams in the district eventually drain to the Gulf of Mexico. However, those flowing to the southwest occupy shallow, open valleys with broad rounded divides while those flowing to the southeast occupy narrower, deeper valleys with narrow, rounded divides. Relief varies from 150-200 feet in the east to 100-150 feet in the west. The southern boundary follows the base of Pine Mountain, which rises abruptly 250-400 feet above the adjacent surface. According to a Custom Soil Resource Report for Troup County Georgia acquired from the United States Department of Agriculture, National Resources Conservation Service website, the soils at the subject property is identified as Urban land (Ub) and Riverview-Chewacla association. Urban lands are soils that have been so altered by the activities of Man that they no longer have the same physical properties as the nearby native soil associations. The Riverview-Chewacla association soils are well drained loams to sandy-loams from alluvial deposits with slopes of 0 to 2 percent.

Based upon a review of Georgia Geologic Survey – *Geologic Map of Georgia, 1976*, the bedrock underlying the site is described as hornblende gneiss/amphibolite (mm3) of the Piedmont Province.

Groundwater in the Piedmont is generally found in the shallow confined surficial aquifer, consisting of primary and secondary voids in the residuum and saprolite. Shallow unconfined water table conditions are present throughout the Piedmont physiographic province. Precipitation percolates through the residuum and saprolite until further vertical migration is impeded by the parent rock. In the Piedmont, the groundwater surface is generally a subdued reflection of surface topography. Recharge to the groundwater occurs from precipitation that averages approximately 51 inches per year within the LaGrange area. Rainfall occurs throughout the year, although increased amounts of rainfall are typical during the spring months. Soils within the area consist predominantly of sandy silts and silty sands that allow rapid percolation of rainfall. Typically, the infiltration of precipitation through the soil to the groundwater occurs within a few days after rainfall.

1.5 Regulatory Status

As part of a due diligence investigation conducted in March 2013, soil and groundwater samples were collected from the area immediately west of the dry cleaner building. Results of that investigation indicated impacts to soil and groundwater from tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (cDCE), trans-1,2-dichlroethene (tDCE), vinyl chloride (VC), acetone, 1,2,4-trimethylbenzene, xylenes and 2-butanone MEK). On May 30, 2013 a release notification was submitted to the Georgia EPD Hazardous Site Response Program

and a Notification Addendum was submitted on March 28, 2014. The subject property was subsequently placed on the Hazardous Site Inventory as Site Number 10931 on March 9, 2015.

1.6 Risk Reduction Standards

The subject property is non-residential. The properties immediately down gradient are also non-residential. The goal of corrective action will be either the non-residential Type 3 or Type 4 Risk Reduction Standard or a Type 5 Risk Reduction Standard.

2.0 CONCEPTUAL SITE MODEL

2.1 Source Area

The suspected source of the soil and groundwater impacts at the subject property are the former activities associated with the chlorinated solvent operation of the Ideal Cleaners dry cleaning facility from approximately the mid-1960's to approximately 1990. There are no regulatory reports of spills or release events in the records reviewed. The impacts detected in the soil on subject property appear to be centered in the northwestern corner of the dry cleaner building, where the former external saddle tank was reportedly located.

Based on the presence of both soil and groundwater impacts, the conceptual site model includes a release to soil which has migrated to the water table and resulted in both soil and groundwater impacts above the Type 3 risk reduction standard (RRS). Based on the concentrations recorded to date, it is possible that DNAPL may be present that is continuing to act as a source of groundwater impacts. It also appears residual PCE trapped in the soil is continuing to leach out to the groundwater. No surface water samples have been collected to date. In 2014, an excavation was performed that reduced the quantity of impacted soil that could act as a continuing source. Figure 1 in Appendix 1 depicts a cross sectional and plan view of the Conceptual Site Model.

2.2 Contaminant Transport

The primary contaminant transport mechanisms at the subject property are continued leaching from soil impacts, vapor off gassing from soil and groundwater impacts and advection and dispersion of contaminants through groundwater flow.

2.3 Potential Receptors

The potential human exposure routes associated with this release include direct exposure to impacted soil through construction work, primarily potential future underground utility work, and potential vapor exposure to site occupants. No drinking water usage of groundwater in the immediate area has been identified. Surface water could be impacted by discharges from impacted groundwater, but it is anticipated that through mixing with unaffected surface water that the down gradient surface water will not exceed the in-stream water quality standards. Additional assessment of the potential for surface water impacts will be performed.

No ecological receptors have been identified.

2.4 Exposure Pathways

Based on the current assessment of the site, the complete exposure pathways include the potential inhalation of vapors from soil and groundwater. Direct exposure to soil is a possible complete exposure route, however, the only current activity in the area of impacted soil is the occasional cutting of grass, which does not disturb the shallow soil. Exposure to impacted surface water has also been identified as a potential exposure route. No current human activity is known to occur that would result in contact with impacted surface water. No other complete exposure routes are present. Incomplete routes include exposure to impacted groundwater. No impacted groundwater withdrawals are occurring.

3.0 PRELIMINARY REMEDIATION PLAN

3.1 Corrective Action Completed or in Process

Corrective action activities completed to date include a pilot injection of chemical oxidants and the removal, ex-situ treatment of approximately 35 tons of impacted soil from the west side of the dry cleaner building. The excavation began on March 4, 2014 and measured approximately ten feet wide by three to five feet deep for a total length of thirty feet. The excavated soil was stockpiled and later transported to Michigan Disposal Inc for disposal. Copies of the disposal manifests are included in Appendix 7.

The excavation was backfilled with crush and run stone to within approximately two feet of the surface and completed with compacted soil fill to match the existing grade. Figure 7 of Appendix 1 depicts the area of excavation and post excavation sampling locations

3.2 Additional Corrective Action Measures

To address the remaining soil impacts, impacts to groundwater and potential surface water impacts, a multi-faceted approach is proposed. Additional impacted soil excavation is planned to remove un-saturated and shallow saturated soils. In is anticipated that these soils will require pre-treatment to meet landfill disposal requirements. The excavated soil will be placed in lined and covered roll of boxes, or stockpiled and maintained in such a manner as to collect and control run-off. The excavated soil will be blended with a chemical oxidant to reduce the concentrations prior to disposal. Any collected water will be tested and either discharged directly to the sanitary sewer system if results are within acceptable limits, or containerized and disposed off site. A chemical oxidant may be blended into the base of the excavation prior to backfilling. SEA also anticipates that a zero valance iron or ZVI, permeable reactive barrier may be installed along a stretch of Oseligee Creek to address both groundwater and potential surface water impacts. Additional remedial measure may also be performed as deemed necessary to address site impacts. SEA will also perform surface water mixing calculations to determine what, if any, impact to surface water may occur.

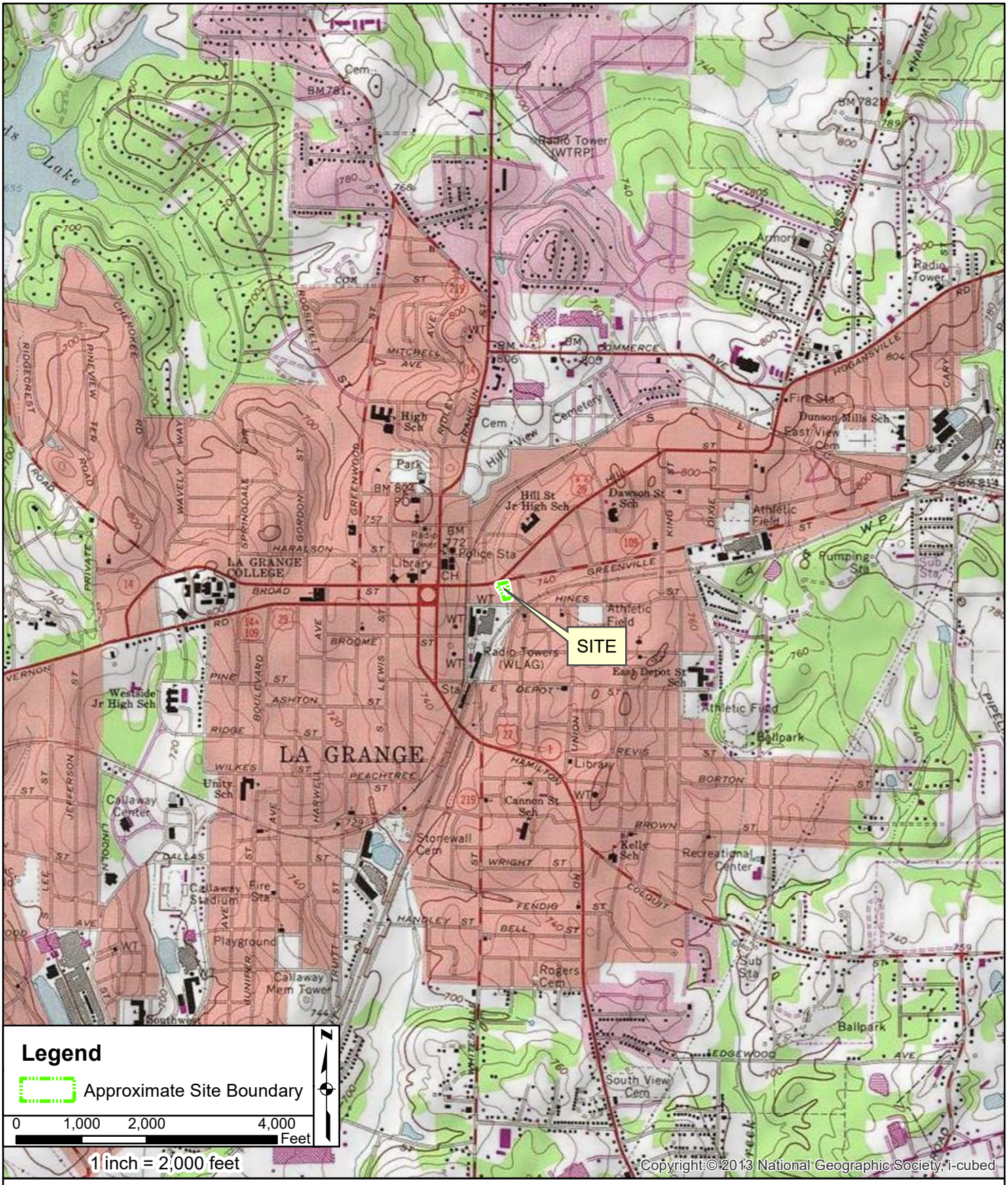
SEA anticipates, that in addition to direct measures to reduce the contaminant concentrations, that engineering and/or institutional controls may be used to minimize the potential for exposure. The institutional controls may include a Uniform Environmental Covenant designed to be protective of human health and the environment, and may include activity and/or use limitations. Engineering controls may include the use of vapor mitigation systems to minimize the potential for a vapor intrusion condition that results in an exceedance of the Georgia risk values.

4.0 MILESTONE SCHEDULE:

The following milestone schedule outlines significant events as discussed above including historic and anticipated future events. The dates of future events may be accelerated based on the progress of the remedial measures taken. A Gantt chart of the following milestone schedule is included in Appendix 4.

Limited Phase II Investigation by S&ME	April 2013
Release Notification	May 30, 2013
Chemical Oxidation Pilot Study Injections	October 2013
Impacted Soil Removal	March 2014
Notification Addendum	March 28, 2014
Listing on HSI	March 9, 2015
Additional Investigation by EnviroForensics	April 2017
Additional Investigation by SEA	September 2017
VRP Application and VIRP submittal	October 31, 2017
Additional Remedial Measures	As warranted
VRP Semi-Annual Reports	March 2018 until March 2022
On site horizontal delineation	October 31, 2018
Off-site horizontal delineation	October 31, 2019
Vertical Delineation	March 31, 2020
VRP Compliance Status Report	October 2022

Appendix 1: Figures



Data Sources: 1:24,000 LaGrange, Georgia USGS 7.5' topographic map quadrangle courtesy of ESRI Map Services

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AREA PLAN
FIGURE 1

IDEAL CLEANERS

224 Greenville Street
LaGrange, Troup County, Georgia

Job No. 172-094

10/24/2017

Data Sources: 2017 aerial photography courtesy of Google Mapping Services

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SITE PLAN
FIGURE 2

IDEAL CLEANERS

224 Greenville Street
LaGrange, Troup County, Georgia

Job No. 172-094

10/24/2017

Data Sources: 2017 aerial photography courtesy of Google Mapping Services

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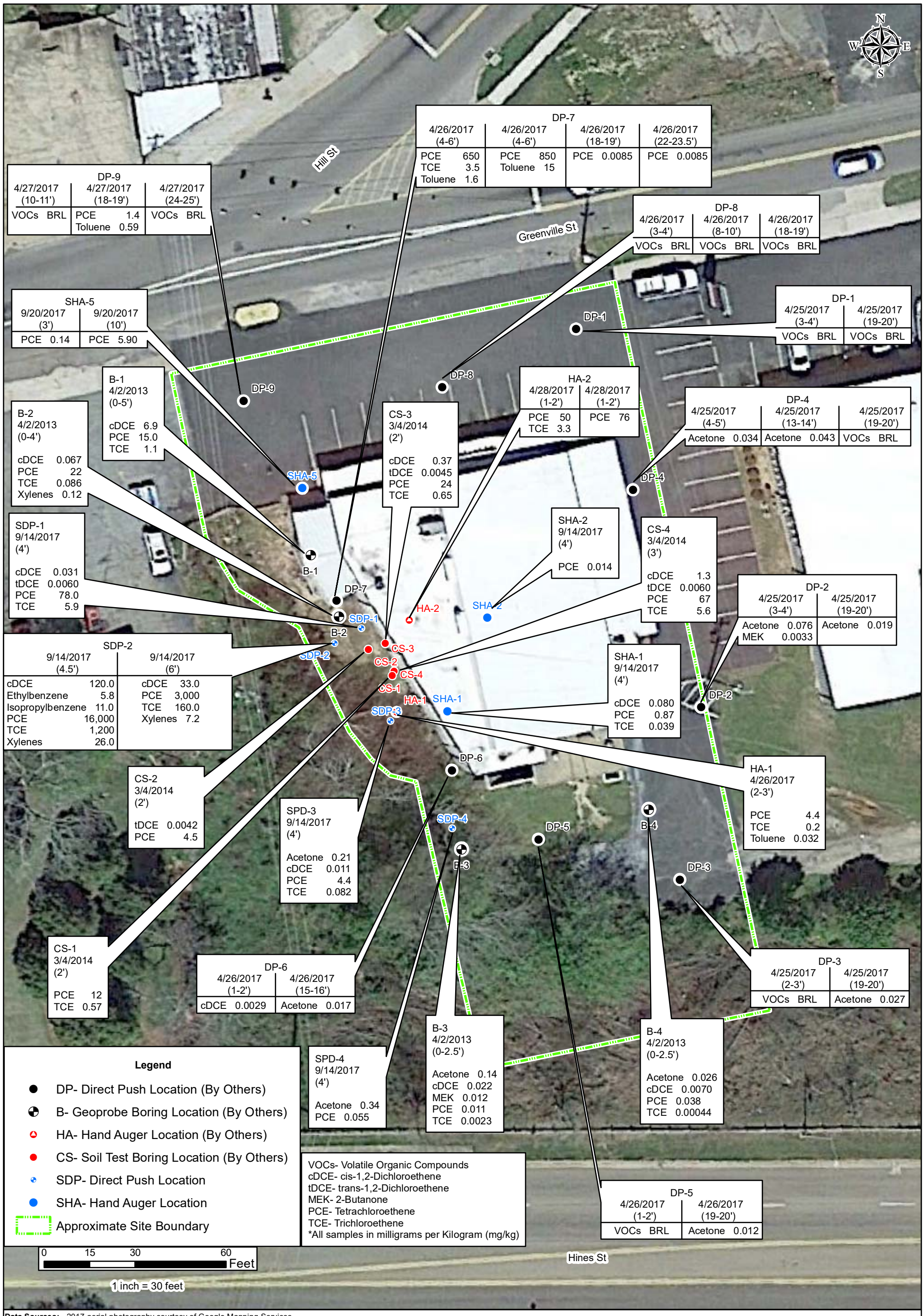
SAMPLE LOCATION PLAN FIGURE 3

IDEAL CLEANERS

224 Greenville Street
LaGrange, Troup County, Georgia

Job No. 172-094

10/24/2017



Data Sources: 2017 aerial photography courtesy of Google Mapping Services

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SOIL IMPACT SUMMARY FIGURE 4

IDEAL CLEANERS

224 Greenville Street
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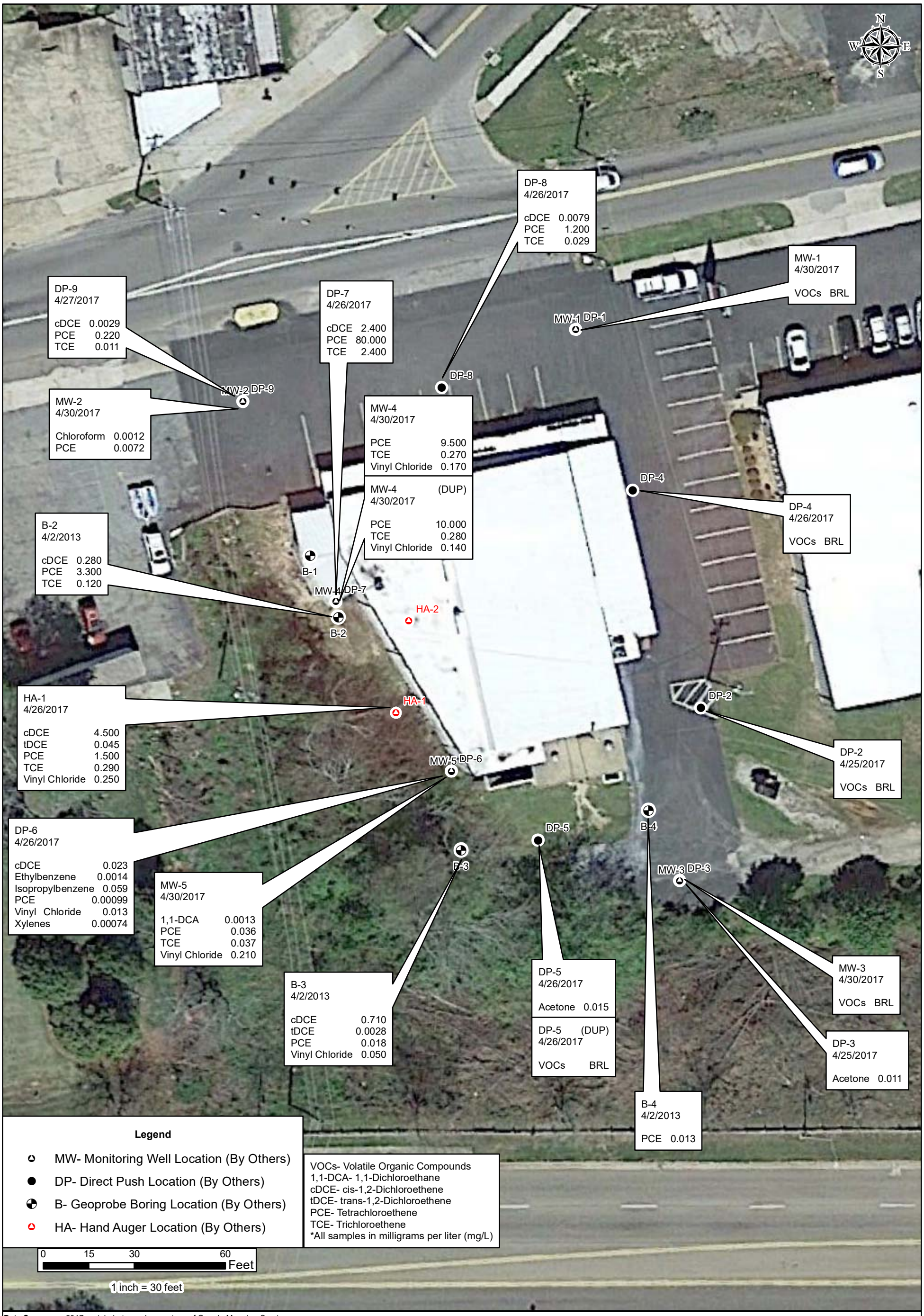
10/24/2017



Data Sources: 2017 aerial photography courtesy of Google Mapping Services

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GROUNDWATER IMPACT SUMMARY FIGURE 5

IDEAL CLEANERS

224 Greenville Street
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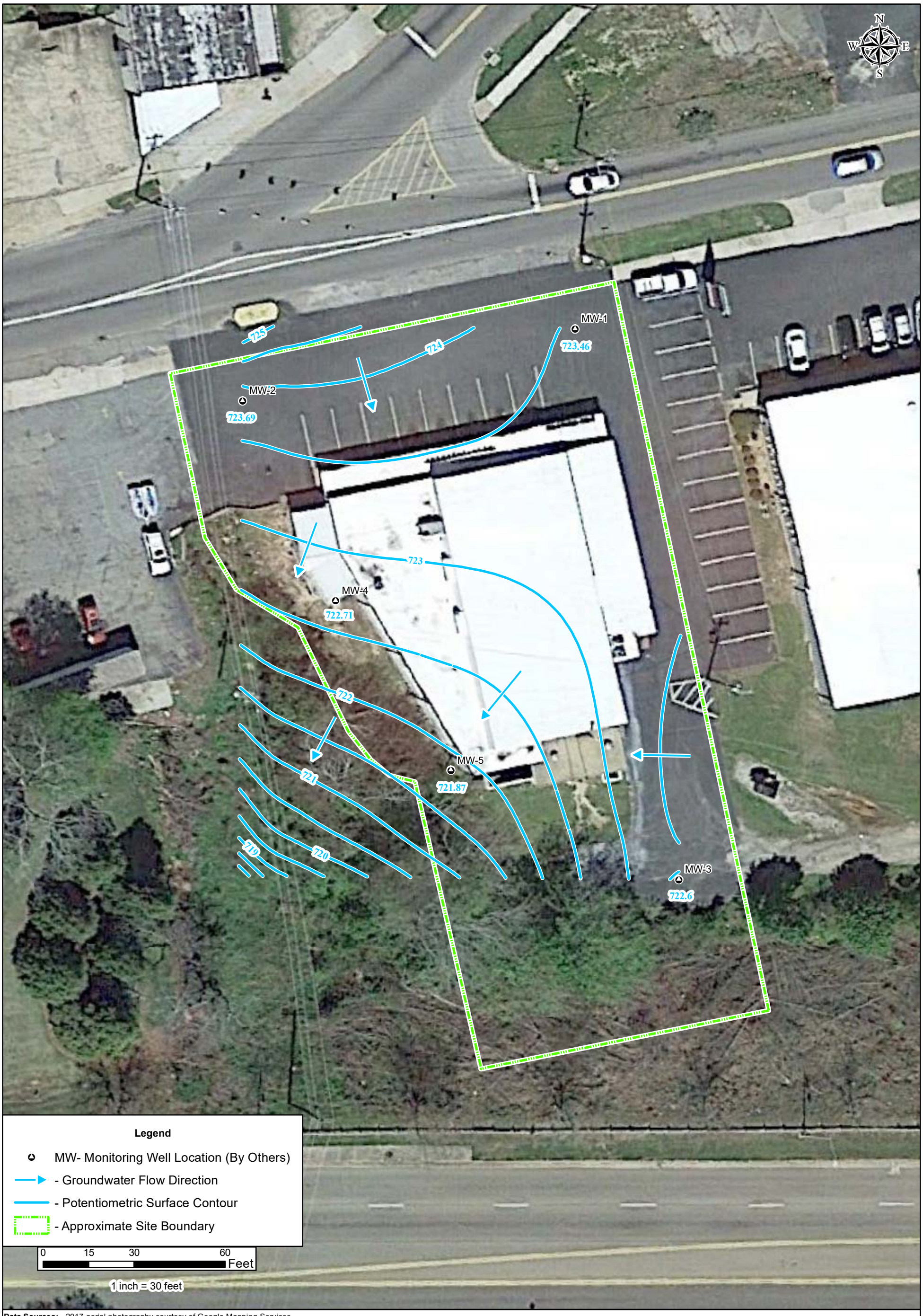
10/24/2017



Data Sources: 2017 aerial photography courtesy of Google Mapping Services

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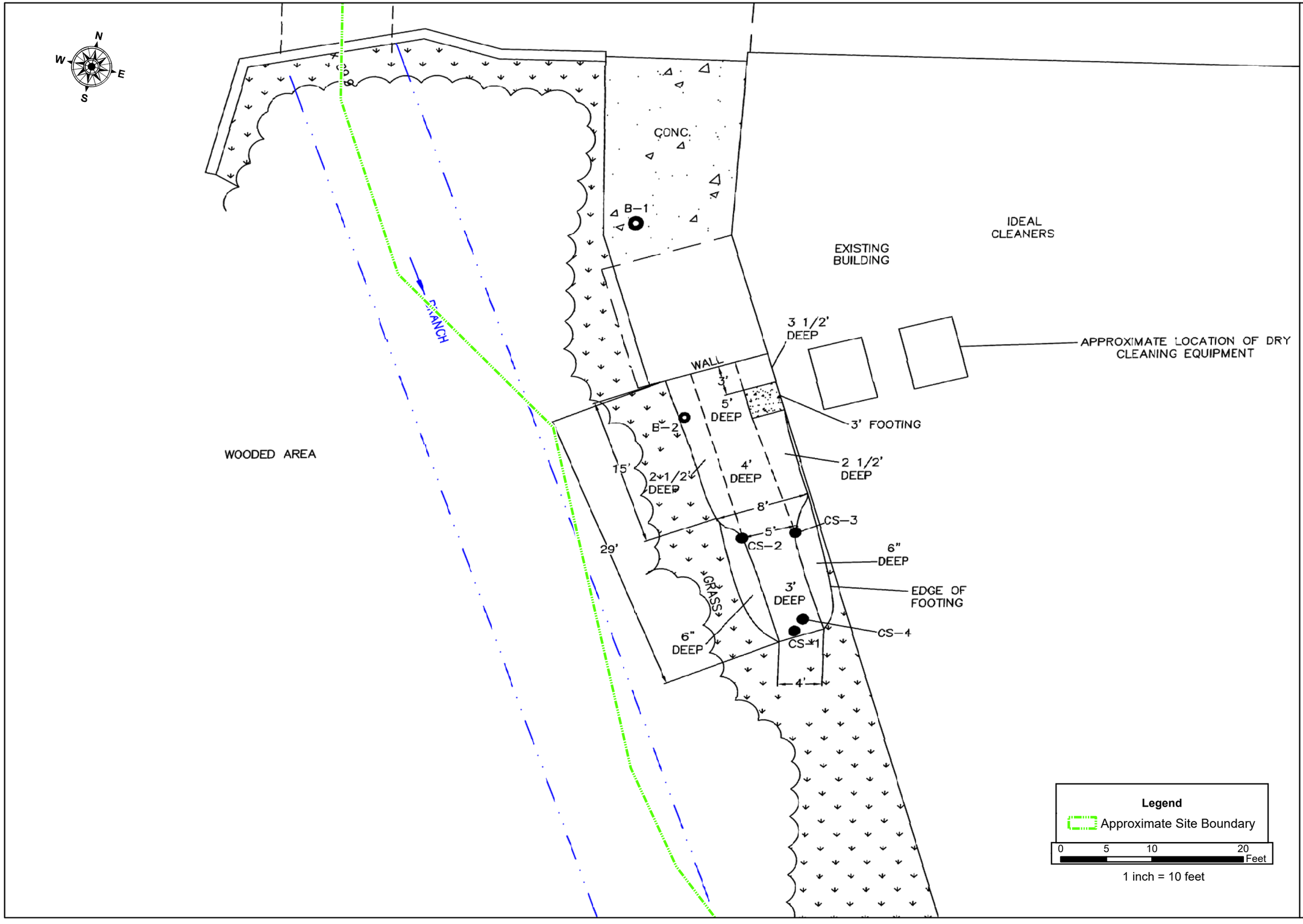
POTENTIOMETRIC SURFACE CONTOUR FIGURE 6

IDEAL CLEANERS

224 Greenville Street
LaGrange, Troup County, Georgia

Job No. 172-094

10/24/2017



Data Sources: Adapted from 2014 HSRA Notification Addendum - S&ME

IDEAL CLEANERS
224 Greenville Street
LaGrange, Troup County, Georgia
Job No. 172-094

10/24/2017

2014 SOIL EXCAVATION PLAN
FIGURE 7

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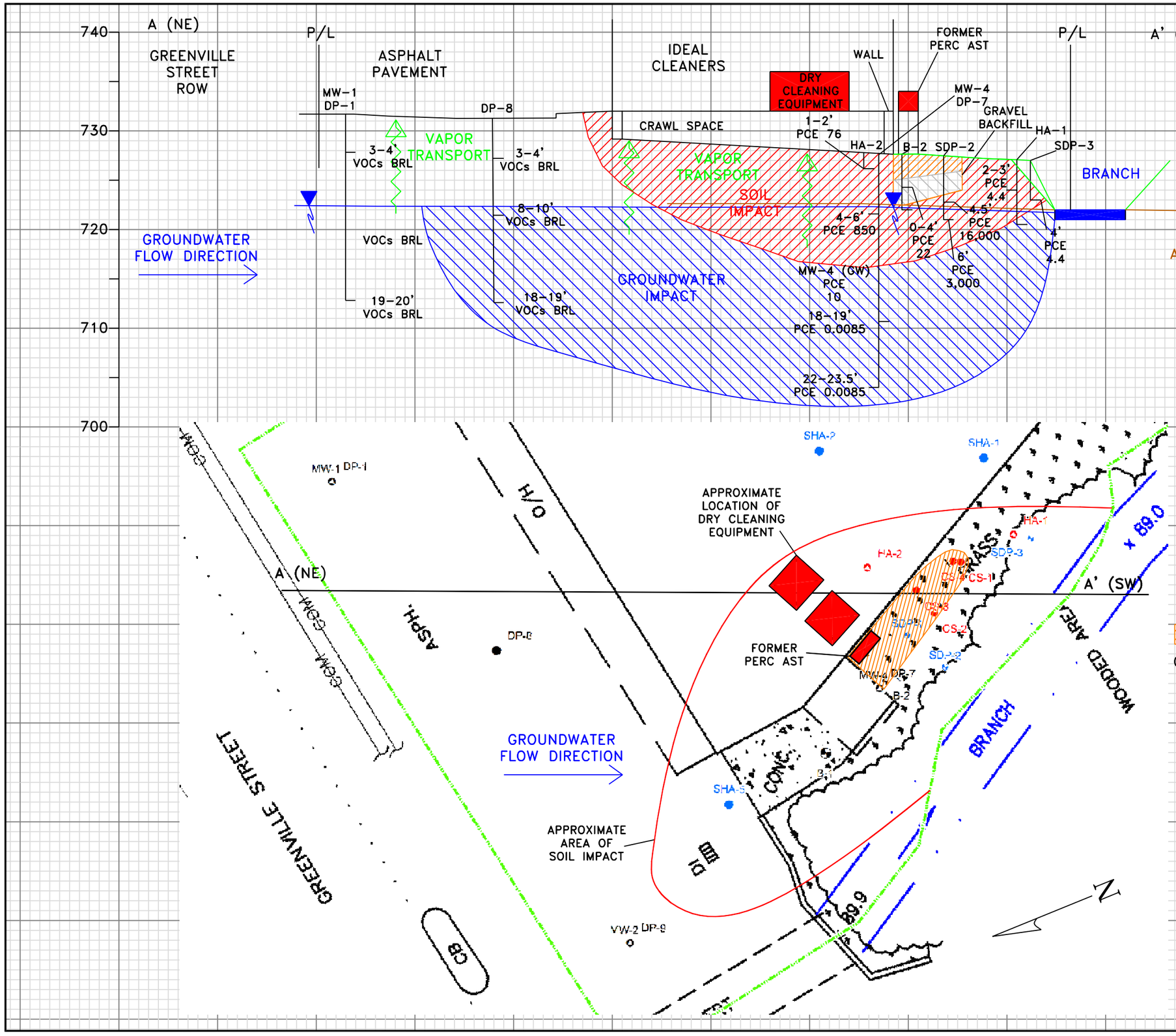

IDEAL CLEANERS
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CONCEPTUAL SITE MODEL
FIGURE 8

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Appendix 2: Tables

Ideal Cleaners
224 Greenville Street
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HSI No. 10931
SEA Job Number: 172-094

Table 1- Comprehensive Soil Laboratory Results Summary

			TCL VOCs (mg/Kg)										SPLP VOCs (mg/L)	
Location	**Depth**	**Date**	**Acetone**	**cDCE**	**tDCE**	**Ethylbenzene**	**Isopropylbenzene**	**MEK**	**PCE**	**TCE**	**Toluene**	**Xylenes**	**PCE**	**TCE**
B-1	0-5'	4/1/2013	<23.0	**6.9**	<0.46	<0.46	<0.46	<4.60	**15.0**	**1.1**	<2.3	<1.4	NA	NA
B-2	0-4'	4/2/2013	<8.1	**0.067**	<0.16	<0.16	<0.16	<1.6	**22**	**0.086**	<0.81	**0.12**	NA	NA
B-3	0-2.5'	4/2/2013	**0.14**	**0.022**	<0.0013	<0.0013	<0.0013	**0.012**	**0.011**	**0.0023**	<0.0065	<0.0039	NA	NA
B-4	0-2.5'	4/2/2013	**0.026**	**0.0070**	<0.0012	<0.0012	<0.0012	<0.012	**0.038**	**0.00044**	<0.0060	<0.0036	NA	NA
CS-1	2'	3/4/2014	<13.0	<0.26	<0.26	<0.26	<0.26	<2.6	**12**	**0.57**	<1.3	<0.8	NA	NA
CS-2	2'	3/4/2014	<0.063	<0.25	**0.0042**	<0.0012	<0.0012	<0.012	**4.5**	<0.25	<0.0063	<0.0038	NA	NA
CS-3	2'	3/4/2014	<0.071	**0.37**	**0.0045**	<0.0014	<0.0014	<0.014	**24**	**0.65**	<0.0071	<0.0043	NA	NA
CS-4	3'	3/4/2014	<0.061	**1.3**	**0.0060**	<0.0012	<0.0012	<0.012	**67**	**5.6**	<0.0061	<0.0037	NA	NA
DP-1	3-4'	4/25/2017	<0.047	<0.0047	<0.0047	NR	NR	<0.023	<0.0047	<0.0047	<0.0047	NR	NA	NA
	*19-20'	4/25/2017	<0.052	<0.0052	<0.0052	NR	NR	<0.026	<0.0052	<0.0052	<0.0052	NR	NA	NA
DP-2	3-4'	4/25/2017	**0.076**	<0.0060	<0.0060	NR	NR	**0.0033**	<0.0060	<0.0060	<0.0060	NR	NA	NA
	*19-20'	4/25/2017	**0.019**	<0.0056	<0.0056	NR	NR	<0.028	<0.0056	<0.0056	<0.0056	NR	NA	NA
DP-3	2-3'	4/25/2017	<0.043	<0.0043	<0.0043	NR	NR	<0.021	<0.0043	<0.0043	<0.0043	NR	NA	NA
	*19-20'	4/25/2017	**0.027**	<0.0063	<0.0063	NR	NR	<0.32	<0.0063	<0.0063	<0.0063	NR	NA	NA
DP-4	4-5'	4/25/2017	**0.034**	<0.0054	<0.0054	NR	NR	<0.027	<0.0054	<0.0054	<0.0054	NR	NA	NA
	*13-14'	4/25/2017	**0.043**	<0.0059	<0.0059	NR	NR	<0.029	<0.0059	<0.0059	<0.0059	NR	NA	NA
	*19-20'	4/25/2017	<0.066	<0.0066	<0.0066	NR	NR	<0.033	<0.0066	<0.0066	<0.0066	NR	NA	NA
DP-5	1-2'	4/26/2017	<0.049	<0.0049	<0.0049	NR	NR	<0.024	<0.0049	<0.0049	<0.0049	NR	NA	NA
	*19-20'	4/26/2017	**0.012**	<0.0052	<0.0052	NR	NR	<0.026	<0.0052	<0.0052	<0.0052	NR	NA	NA
DP-6	1-2'	4/26/2017	<0.051	**0.0029**	<0.0051	NR	NR	<0.026	**0.019**	**0.002**	<0.0051	NR	NA	NA
	*15-16'	4/26/2017	**0.017**	<0.0050	<0.0050	NR	NR	<0.025	<0.0050	<0.0050	<0.0050	NR	NA	NA
DP-7	4-6'	4/26/2017	<76	<7.6	<7.6	NR	NR	<38	**650**	**3.5**	**1.6**	NR	NA	NA
	4-6' (Dup-1)	4/26/2017	<730	<73	<73	NR	NR	<370	**850**	<73	**15**	NR	NA	NA
	*18-19'	4/26/2017	<0.039	<0.0039	<0.0039	NR	NR	<0.019	**0.0085**	<0.0039	<0.0039	NR	NA	NA
	*22-23.5'	4/26/2017	<0.053	<0.0053	<0.0053	NR	NR	<0.027	**0.0072**	<0.0053	<0.0053	NR	NA	NA
DP-8	3-4'	4/26/2017	<0.059	<0.0059	<0.0059	NR	NR	<0.029	<0.0059	<0.0059	<0.0059	NR	NA	NA
	*8-10'	4/26/2017	<0.055	<0.0055	<0.0055	NR	NR	<0.028	<0.0055	<0.0055	<0.0055	NR	NA	NA
	*18-19'	4/26/2017	<0.057	<0.0057	<0.0057	NR	NR	<0.029	<0.0057	<0.0057	<0.0057	NR	NA	NA
DP-9	*10-11'	4/27/2017	<0.057	<0.0057	<0.0057	NR	NR	<0.028	<0.0057	<0.0057	<0.0057	NR	NA	NA
	*18-19'	4/27/2017	<27	<2.7	<2.7	NR	NR	<17	**1.4**	<2.7	**0.59**	NR	NA	NA
	*24-25'	4/27/2017	<0.062	<0.0062	<0.0062	NR	NR	<0.031	<0.0062	<0.0062	<0.0062	NR	NA	NA
HA-1	2-3'	4/26/2017	<1.9	<0.190	<0.190	NR	NR	<0.960	**4.4**	0.2	**0.032**	NR	NA	NA
HA-2	1-2'	4/28/2017	<31	<3.1	<3.1	NR	NR	<15	**50**	**3.3**	<3.1	NR	NA	NA
	1-2' (Dup-3)	4/28/2017	<56	<5.6	<5.6	NR	NR	<28	**76**	<5.6	<5.6	NR	NA	NA
SDP-1	4'	9/14/2017	<0.10	**0.031**	**0.0060**	<0.0051	<0.0051	<0.051	**78.0**	**5.9**	<0.0051	<0.0051	**0.074**	**0.006**
SDP-2	4.5'	9/14/2017	<59.0	**120.0**	<3.0	**5.8**	**11.0**	<30.0	**16,000**	**1,200**	<3.0	**26.0**	**79.000**	**13.000**
	*6'	9/14/2017	<50.0	**33.0**	<2.5	<2.5	<2.5	<25.0	**3,000**	**160.0**	<2.5	**7.2**	**75.000**	**8.100**
SDP-3	4'	9/14/2017	**0.21**	**0.011**	<0.0052	<0.0052	<0.0052	<0.052	**4.4**	0.082	<0.0052	<0.0052	**0.0190**	<0.0050
SDP-4	4'	9/14/2017	**0.34**	<0.0046	<0.0046	<0.0046	<0.0046	<0.046	**0.055**	<0.0046	<0.0046	<0.0046	**0.0056**	<0.0050
SHA-1	4'	9/14/2017	<0.11	**0.080**	<0.0054	<0.0054	<0.0054	<0.054	**0.87**	0.039	<0.0054	<0.0054	**0.0120**	<0.0050
SHA-2	4'	9/14/2017	<0.10	<0.0051	<0.0051	<0.0051	<0.0051	<0.051	**0.014**	<0.0051	<0.0051	<0.0051	**0.790**	**0.026**
SHA-5	3'	9/20/2017	<0.099	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	**0.14**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	*10'	9/20/2017	<4.9	<0.24	<0.24	<0.24	<0.24	<2.40	**5.90**	<0.24	<0.24	<0.24	**0.100**	**0.0052**
Type 3 RRS			**400**	**7**	**10**	**70**	**21.88**	**200**	**0.5**	**0.5**	**100**	**1000**		

Notes:
NA = Not Analyzed
NS = No Standard
NR = Not reported on Enviroforensics table
mg/Kg = milligrams per Kilogram
mg/L = milligrams per Liter
SDP & SHA = samples by SEA
VOCs = Volatile Organic Compounds
cDCE = cis-1,2-Dichloroethene
PCE = Tetrachloroethene
tDCE = trans-1,2-Dichloroethene
TCE = Trichloroethene
MEK = 2-Butanone
* Sample was collected below the water table
Bold values are above laboratory reporting limits
Shaded values were removed during March 2014 soil excavation
Bold, highlighted values exceed the Type 3 RRS

Ideal Cleaners
224 Greenville Street
LaGrange, GA
HSI No. 10931
SEA Job Number: 172-094

Table 2- Comprehensive Groundwater Laboratory Results Summary

Location	Date	Acetone	Chloroform	1,1-DCA	cDCE	tDCE	Ethylbenzene	Isopropylbenzene	PCE	TCE	Vinyl Chloride	Xylenes
B-2	4/2/2013	<1.2	<0.025	<0.025	**0.280**	<0.025	<0.025	<0.025	**3.300**	**0.120**	<0.025	<0.075
B-3	4/2/2013	<0.050	<0.001	<0.001	**0.710**	**0.0028**	<0.001	<0.001	**0.018**	<0.001	**0.050**	<0.003
B-4	4/2/2013	<0.050	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0013	<0.001	<0.001	<0.003
DP-2	4/25/2017	<0.020	NR	NR	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003
DP-3	4/25/2017	**0.011**	NR	NR	<0.001	<0.001	<0.001	<0.001	<0.020	<0.001	<0.001	<0.003
DP-4	4/26/2017	<0.020	NR	NR	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003
DP-5	4/26/2017	**0.015**	NR	NR	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003
DP-5 Dup	4/26/2017	<0.020	NR	NR	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003
DP-6	4/26/2017	<0.020	NR	NR	**0.023**	<0.001	**0.0014**	**0.059**	**0.00099**	<0.001	**0.013**	**0.00074**
DP-7	4/26/2017	<40.000	NR	NR	**2.400**	<2.000	<2.000	<2.000	**80.000**	**2.400**	<2.000	<6.000
DP-8	4/26/2017	<0.100	NR	NR	**0.0079**	<0.005	<0.005	<0.005	**1.200**	**0.029**	<0.005	<0.015
DP-9	4/27/2017	<0.020	NR	NR	**0.0029**	<0.001	<0.001	<0.001	**0.220**	**0.011**	<0.001	<0.003
HA-1	4/26/2017	<0.400	NR	NR	**4.500**	**0.045**	<0.020	<0.020	**1.500**	**0.290**	**0.250**	<0.060
MW-1	4/30/2017	NR	<0.001	<0.001	<0.001	<0.001	NR	NR	<0.001	<0.001	<0.001	NR
MW-2	4/30/2017	NR	**0.0012**	<0.001	<0.001	<0.001	NR	NR	**0.0072**	<0.001	<0.001	NR
MW-3	4/30/2017	NR	<0.001	<0.001	<0.001	<0.001	NR	NR	<0.001	<0.001	<0.001	NR
MW-4	4/30/2017	NR	<0.001	<0.001	<0.001	<0.001	NR	NR	**9.500**	**0.270**	**0.170**	NR
MW-4 Dup	4/30/2017	NR	<0.001	<0.001	<0.001	<0.001	NR	NR	**10.000**	**0.280**	**0.140**	NR
MW-5	4/30/2017	NR	<0.001	**0.0013**	<0.001	<0.001	NR	NR	**0.036**	**0.037**	**0.210**	NR
Type 3 RRS		4	0.1	4	0.07	0.1	0.7	NL	0.005	0.005	0.002	10

Notes: Data for samples DP-2 through DP-9, HA-1 and MW-1 through MW-5 is from tables prepared by others. Laboratory reports were not provided.
Samples from DP-2 through DP-9 and HA-1 are grab samples from direct push or hand auger probes.
Only detected compounds are listed.
NR - Not Reported
Highlighted values exceed Type 3 RRS

Ideal Cleaners
224 Greenville Street
LaGrange, GA
HSI No. 10931
SEA Job Number: 172-094

Table 3- Delineation Standards

Constituent	Delineation Standard	Type 3 RRS	Highest Detected Concentration	Location	Depth
Acetone	400	400	0.34	SDP-4	4'
cDCE	7	7	120.0	SDP-2	4.5'
tDCE	10	10	0.0060	SDP-1	4'
				CS-4	3'
Ethylbenzene	70	70	5.8	SDP-2	4.5'
Isopropylbenzene	21.88	21.88	11.0	SDP-2	4.5'
MEK	200	200	0.012	B-3	0-2.5'
PCE	0.5	0.5	16,000	SDP-2	4.5'
TCE	0.5	0.5	1,200	SDP-2	4.5'
Toluene	100	100	15	DP-7	4-6' (Dup-1)
Vinyl Chloride	0.2	0.2	ND	NA	NA
Xylenes	100	1000	26.0	SDP-2	4.5'

cDCE = cis-1,2-Dichloroethene
PCE = Tetrachloroethene
tDCE = trans-1,2-Dichloroethene
TCE = Trichloroethene
MEK = 2-Butanone
Highlighted values exceed the Delineation Standard

Ideal Cleaners
224 Greenville Street
LaGrange, GA
HSI No. 10931
SEA Job Number: 172-094

Table 4- Groundwater Elevation Data

Location	Date	TOC Elevation	Depth to Water	Screened Interval	Groundwater Elevation
MW-1	4/30/2017	732.16	8.7	14-19	723.46
MW-2	4/30/2017	731.2	7.51	11-16	723.69
MW-3	4/30/2017	724.64	2.04	3-13	722.6
MW-4	4/30/2017	727.9	5.19	12-17	722.71
MW-5	4/30/2017	725.23	3.36	9-14	721.87

Notes: Data is from tables prepared by others.

Appendix 3: Warranty Deed and Tax Map

00781
0184

BOOK 781 PAGE 184

12 Pd

After recording return to:
DANIEL, HADDEN & ALFORD, P.C.
P. O. BOX 2249
LAGRANGE, GEORGIA 30241

STATE OF GEORGIA,
COUNTY OF TROUP

WARRANTY DEED

THIS INDENTURE, Made this 24 day of DECEMBER 1997, between **L. L. Goode, Jr.**, as party or parties of the first part, hereinafter called Grantor, and **Goode Family, LLC**, as party or parties of the second part, hereinafter called Grantee (the words "Grantor" and "Grantee" to include their respective heirs, successors and assigns where the context requires or permits).

WITNESSETH, THAT

Grantor, for and in consideration of the sum of Ten Dollars ($10.00), and other good and valuable consideration in hand paid at and before the sealing and delivery of these presents, the receipt whereof is hereby acknowledged, has granted, bargained, sold, aliened, conveyed and confirmed, and by these presents does, grant, bargain, sell, alien, convey and confirm unto the said Grantee,

All those tracts or parcels of land lying and being in Troup County, Georgia, and being more particularly described on Exhibit A, attached hereto, incorporated herein and made a part hereof.

This conveyance is subject to all easements and incumbrances of record.

TO HAVE AND TO HOLD the said tract or parcel of land, with all and singular the rights, members and appurtenances thereof, to the same being, belonging or in anywise appertaining, to the only property use, benefit and behoof of said Grantee forever in FEE SIMPLE.

AND THE GRANTOR will warrant and forever defend the right and title to the above described property unto the said Grantee against the claims of all persons whomsoever.

IN WITNESS WHEREOF, the Grantor has signed and sealed this deed, the day and year first above written.

Signed, sealed and delivered
in the presence of:

Unofficial Witness

Notary Public

KIM McRAE NOTARY PUBLIC TROUP COUNTY GEORGIA EXPIRES FEB. 22, 1999

L. L. Goode, Jr. (SEAL)

Troup County, Georgia
Real Estate Transfer Tax
Paid $ 1.00
12-29-97
Ramona S. Ward
Clerk of Superior Court

EXHIBIT A

All that tract or parcel of land lying and being on the South side of Greenville Street, LaGrange, Troup County, Georgia and being more particularly described as follows: Beginning at a point located at the Southwest intersection of Alexander Street with Greenville Street in the City of LaGrange, Troup County, Georgia and running thence in a Westerly direction along the South boundary line of Greenville Street for a distance of 146 feet to a point marked by an iron stob, which is the STARTING POINT of the property to be conveyed herein; and from said starting point turn left with an interior angle of 94 degrees .05 minutes and run in a Southerly direction for a distance of 250 feet to a point, said point being located on the Southern boundary of the property purchased by Mrs. Eleanor Lawrence Goode from Horace E. Richter on September 27,1954, which is described by deed recorded in Deed Book 98, Page 124, in the Office of the Clerk of the Superior Court of Troup County, Georgia; thence turn right and proceed in a Westerly direction along the Southern boundary of said tract of land purchased by Mrs. Eleanor Lawrence Goode from Horace E. Richter on September 27, 1954 heretofore mentioned, for a distance of 100 feet, more or less, to the Southwest corner of said tract of land purchased by Mrs. Eleanor Lawrence Goode from Horace E. Richter on September 27, 1954; thence turn right and proceed in a Northerly direction along the Western boundary line of the property purchased by Mrs. Eleanor Lawrence Goode from Horace E. Richter on September 27, 1954 and along the Western boundary line of the property purchased by Mrs. Mrs. Eleanor Lawrence Goode from Mrs. Helen S. Jabaley on the 21st day of July 1953, a copy of said deed being recorded in the Office of the Clerk of the Superior Court of Troup County, Georgia in Deed Book 91 at Page 466, for a distance of 100 feet to a point; said point being the Northwest corner of said tract of property purchased by Mrs. Eleanor Lawrence Goode from Mrs. Helen S. Jabaley on the 21st day of July, 1953 heretofore mentioned; thence turn right and proceed in an Easterly direction along the Northern boundary of the tract of land purchased by Mrs. Eleanor Lawrence Goode from Mrs. Helen S. Jabaley on July 21, 1953 to a point located in the center of Tanyard Branch, which is the Southwest corner of the tract of land purchased by Mrs. Eleanor Lawrence Goode from J. A. Baugh, Jr. as Executor of the Estate of J. A. Baugh, Sr., on the 21st day of April, 1953, said deed being recorded in the Office of the Clerk of the Superior Court of Troup County, Georgia in Deed Book 89, Page 396; thence turn left and proceed in a Northerly direction along the center of Tanyard Branch for a distance of 162 feet, to a point which is located on the South side of Greenville Street which is marked by an iron angle bar located in the center of the concrete bridge over said branch; thence turn right and run from said angle bar in an Easterly direction along the South boundary of Greenville Street for a distance of 141.5 feet to the starting point together with all improvements located thereon.

The above described tract of land is the same property as that conveyed by Mrs. Eleanor Lawrence Goode to L. L. Goode, Sr. and L. L. Goode, Jr. by warranty deed dated November 15, 1955, and recorded on January 13, 1956, in Deed Book 106, page 432, in the Office of the Clerk of the Superior Court of Troup County, Georgia.

Data Sources: 2013 aerial photography courtesy of Troup County GIS

SEA
SAILORS ENGINEERING ASSOCIATES, INC.
ENVIRONMENTAL/GEOTECHNICAL
1675 SPECTRUM DRIVE
LAWRENCEVILLE, GEORGIA 30043
(770) 962-5922 FAX 962-7964

TAX MAP
FIGURE 9

IDEAL CLEANERS

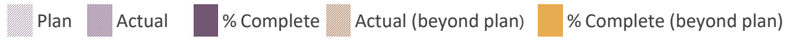
224 Greenville Street
LaGrange, Troup County, Georgia

Job No. 172-094

10/24/2017

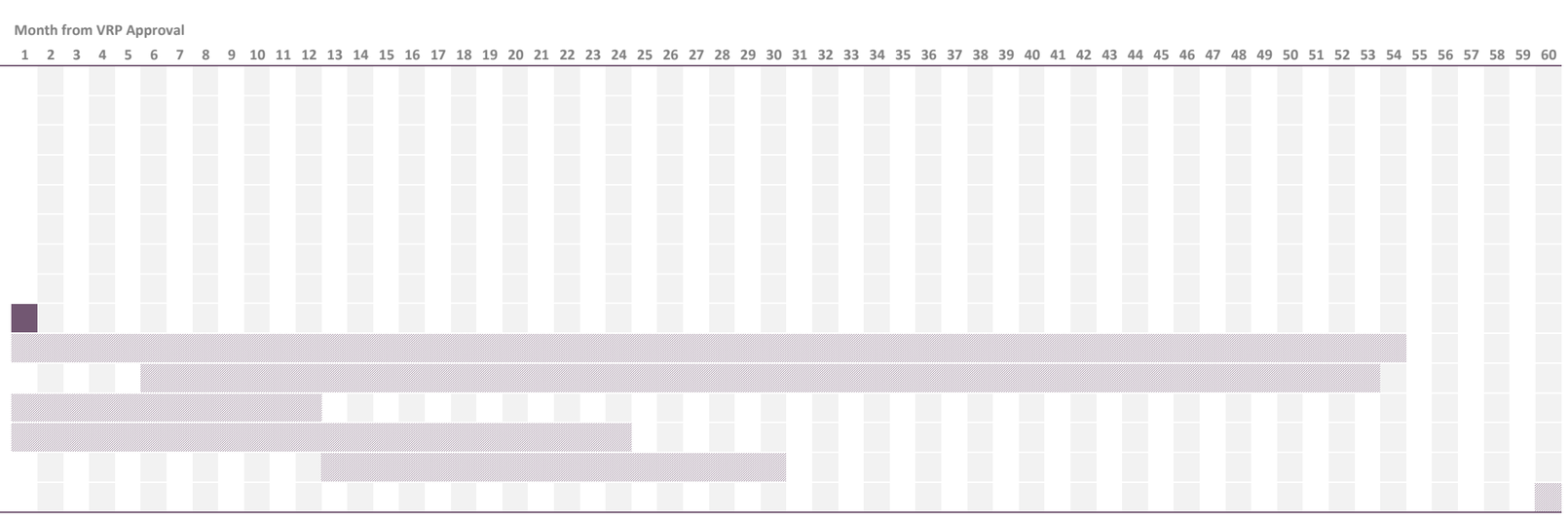
Appendix 4: Milestone Schedule Gantt Chart

Ideal Cleaners
224 Greenville Street, LaGrange, Georgia
HSI# 10931
SEA Job No. 172-094



Gantt Chart - October 31, 2017

ACTIVITY	Date	PERCENT COMPLETE
Limited Phase II Investigation by S&ME	April 2013	100%
Release Notification	May 30, 2013	100%
Chemical Oxidation Pilot Study Injections	October 2013	100%
Impacted Soil Removal	March 2014	100%
Notification Addendum	March 28, 2014	100%
Listing on HSI	March 9, 2015	100%
Additional Investigation by EnviroForensics	April 2017	100%
Additional Investigation by SEA	September 2017	
VRP Application and VIRP Plan	October 31, 2017	100%
Additional Remedial Measures	As Warranted	0%
VRP Semi-Annual Reports	March 2018 to March, 2022	10%
On Site Horizontal Delineation	October 31, 2018	50%
Off-site Horizontal Delineation	October 31, 2019	10%
Vertical Delineation	March 31, 2020	0%
VRP Compliance Status Report	October 2022	0%



The future dates are based on the VRP submittal date and will be adjusted based on VRP approval

Appendix 5: Boring Logs

Direct Push Log

BORING NO. DP-1

CONTRACTED WITH:

JOB NO. 172-094 | DATE: 09/14/17

PROJECT NAME: Ideal Cleaners

LOCATION: 224 Greenville Street, LaGrange, Georgia

ELEV. (ft)	DESCRIPTION	DEPTH IN FEET	SAMPLES No.	SAMPLES TYPE	SAMPLES "N"	NOTES
	Grass					
	Gray brown sand with a little silt	1				
	Red clay with a trace of sand	2				
		3				
	Orange sand with a trace of silt	4				
	Dark gray coarse sand (alluvium)					Wet at 5'
	Direct Push terminated at 5'	5				
		6				
		7				
		8				

SEA

Direct Push Log

BORING NO. SDP-2

CONTRACTED WITH:

JOB NO. 172-094 | DATE: 09/14/17

PROJECT NAME: Ideal Cleaners

LOCATION: 224 Greenville Street, LaGrange, Georgia

ELEV. (ft)	DESCRIPTION	DEPTH IN FEET	SAMPLES No.	SAMPLES TYPE	SAMPLES "N"	NOTES
	Grass					
	Red brown clayey sand	1 – 2				
	Gravel	3 – 4				
	Brown sand	5 – 6				Wet at 5', strong perc odor
	Gray-black coarse sand (alluvium) with organics	7 – 8				

SEA

Direct Push Log

BORING NO. SDP-2 cont.

CONTRACTED WITH:

JOB NO. 172-094

DATE: 09/14/17

PROJECT NAME: Ideal Cleaners

LOCATION: 224 Greenville Street, LaGrange, Georgia

ELEV. (ft)	DESCRIPTION	DEPTH IN FEET	SAMPLES No.	SAMPLES TYPE	SAMPLES "N"	NOTES
	Gray micaceous sand with a little silt (saprolite)	9				
	Direct Push Terminated at 10'	10				

SEA

Direct Push Log

BORING NO. SDP-3

CONTRACTED WITH:

JOB NO. 172-094 | DATE: 09/14/17

PROJECT NAME: Ideal Cleaners

LOCATION: 224 Greenville Street, LaGrange, Georgia

ELEV. (ft)	DESCRIPTION	DEPTH IN FEET	SAMPLES No.	SAMPLES TYPE	SAMPLES "N"	NOTES
	Grass					
	Brown sand with a trace of silt	1 – 3				
	Red brown sand	4				Wet at 5'
	Direct Push Termintated at 5'	5				
		6 – 8				

SEA

Direct Push Log

BORING NO. SDP-4

CONTRACTED WITH:

JOB NO. 172-094 | DATE: 09/14/17

PROJECT NAME: Ideal Cleaners

LOCATION: 224 Greenville Street, LaGrange, Georgia

ELEV. (ft)	DESCRIPTION	DEPTH IN FEET	SAMPLES No.	SAMPLES TYPE	SAMPLES "N"	NOTES
	Grass					
	Brown sand with silt	1 – 3				
	Dark gray coarse sand (alluvium)	4				Wet at 5'
	Direct Push Terminated at 5'	5				
		6 – 8				

SEA

Appendix 6: Laboratory Data Reports

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
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Tax I.D. 62-0814289

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Peter Fleury
S&ME Inc. - Kennesaw GA
3380 Town Point Drive Suite 140
Kennesaw, GA 30144

Report Summary

Thursday March 13, 2014

Report Number: L686434
Samples Received: 03/06/14
Client Project: 1804-13-164

Description: Ideal Cleaners - LaGrange, GA

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Jeff Carr , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364, EPA - TN002

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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REPORT OF ANALYSIS

Peter Fleury
S&ME Inc. - Kennesaw GA
3380 Town Point Drive Suite 140
Kennesaw, GA 30144

March 13,2014

Date Received : March 06, 2014
Description : Ideal Cleaners - LaGrange, GA

Sample ID : CS-1 2FT

Collected By : BJW
Collection Date : 03/04/14 14:55

ESC Sample # : L686434-01

Site ID :

Project # : 1804-13-164

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	84.6	0.0333		%		2540 G-2	03/10/14	1
Volatile Organics								
Acetone	U	2.2	13.	mg/kg		8260B	03/10/14	225
Acrylonitrile	U	0.40	2.6	mg/kg		8260B	03/10/14	225
Benzene	U	0.061	0.26	mg/kg		8260B	03/10/14	225
Bromobenzene	U	0.064	0.26	mg/kg		8260B	03/10/14	225
Bromodichloromethane	U	0.057	0.26	mg/kg		8260B	03/10/14	225
Bromoform	U	0.095	0.26	mg/kg		8260B	03/10/14	225
Bromomethane	U	0.30	1.3	mg/kg	J3	8260B	03/10/14	225
n-Butylbenzene	U	0.058	0.26	mg/kg		8260B	03/10/14	225
sec-Butylbenzene	U	0.045	0.26	mg/kg		8260B	03/10/14	225
tert-Butylbenzene	U	0.046	0.26	mg/kg		8260B	03/10/14	225
Carbon tetrachloride	U	0.074	0.26	mg/kg		8260B	03/10/14	225
Chlorobenzene	U	0.048	0.26	mg/kg		8260B	03/10/14	225
Chlorodibromomethane	U	0.084	0.26	mg/kg		8260B	03/10/14	225
Chloroethane	U	0.21	1.3	mg/kg		8260B	03/10/14	225
2-Chloroethyl vinyl ether	U	0.53	13.	mg/kg		8260B	03/10/14	225
Chloroform	U	0.052	1.3	mg/kg		8260B	03/10/14	225
Chloromethane	U	0.084	0.66	mg/kg		8260B	03/10/14	225
2-Chlorotoluene	U	0.068	0.26	mg/kg		8260B	03/10/14	225
4-Chlorotoluene	U	0.054	0.26	mg/kg		8260B	03/10/14	225
1,2-Dibromo-3-Chloropropane	U	0.24	1.3	mg/kg		8260B	03/10/14	225
1,2-Dibromoethane	U	0.077	0.26	mg/kg		8260B	03/10/14	225
Dibromomethane	U	0.086	0.26	mg/kg		8260B	03/10/14	225
1,2-Dichlorobenzene	U	0.069	0.26	mg/kg		8260B	03/10/14	225
1,3-Dichlorobenzene	U	0.054	0.26	mg/kg		8260B	03/10/14	225
1,4-Dichlorobenzene	U	0.051	0.26	mg/kg		8260B	03/10/14	225
Dichlorodifluoromethane	U	0.16	1.3	mg/kg		8260B	03/10/14	225
1,1-Dichloroethane	U	0.045	0.26	mg/kg		8260B	03/10/14	225
1,2-Dichloroethane	U	0.060	0.26	mg/kg		8260B	03/10/14	225
1,1-Dichloroethene	U	0.068	0.26	mg/kg		8260B	03/10/14	225
cis-1,2-Dichloroethene	U	0.053	0.26	mg/kg		8260B	03/10/14	225
trans-1,2-Dichloroethene	U	0.059	0.26	mg/kg		8260B	03/10/14	225
1,2-Dichloropropane	U	0.080	0.26	mg/kg		8260B	03/10/14	225
1,1-Dichloropropene	U	0.071	0.26	mg/kg		8260B	03/10/14	225
1,3-Dichloropropane	U	0.046	0.26	mg/kg		8260B	03/10/14	225
cis-1,3-Dichloropropene	U	0.059	0.26	mg/kg		8260B	03/10/14	225
trans-1,3-Dichloropropene	U	0.060	0.26	mg/kg		8260B	03/10/14	225
2,2-Dichloropropane	U	0.063	0.26	mg/kg		8260B	03/10/14	225
Di-isopropyl ether	U	0.056	0.26	mg/kg		8260B	03/10/14	225
Ethylbenzene	U	0.067	0.26	mg/kg		8260B	03/10/14	225
Hexachloro-1,3-butadiene	U	0.077	0.26	mg/kg		8260B	03/10/14	225

Results listed are dry weight basis.
U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
Note:

The reported analytical results relate only to the sample submitted
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REPORT OF ANALYSIS

Peter Fleury
S&ME Inc. - Kennesaw GA
3380 Town Point Drive Suite 140
Kennesaw, GA 30144

March 13,2014

Date Received : March 06, 2014
Description : Ideal Cleaners - LaGrange, GA

Sample ID : CS-1 2FT

Collected By : BJW
Collection Date : 03/04/14 14:55

ESC Sample # : L686434-01

Site ID :

Project # : 1804-13-164

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Isopropylbenzene	U	0.055	0.26	mg/kg		8260B	03/10/14	225
p-Isopropyltoluene	U	0.046	0.26	mg/kg		8260B	03/10/14	225
2-Butanone (MEK)	U	1.0	2.6	mg/kg		8260B	03/10/14	225
Methylene Chloride	U	0.22	1.3	mg/kg		8260B	03/10/14	225
4-Methyl-2-pentanone (MIBK)	U	0.42	2.6	mg/kg		8260B	03/10/14	225
Methyl tert-butyl ether	U	0.048	0.26	mg/kg		8260B	03/10/14	225
Naphthalene	U	0.22	1.3	mg/kg		8260B	03/10/14	225
n-Propylbenzene	U	0.046	0.26	mg/kg		8260B	03/10/14	225
Styrene	U	0.053	0.26	mg/kg		8260B	03/10/14	225
1,1,1,2-Tetrachloroethane	U	0.059	0.26	mg/kg		8260B	03/10/14	225
1,1,2,2-Tetrachloroethane	U	0.082	0.26	mg/kg		8260B	03/10/14	225
1,1,2-Trichlorotrifluoroethane	U	0.082	0.26	mg/kg		8260B	03/10/14	225
Tetrachloroethene	12.	0.062	0.26	mg/kg		8260B	03/10/14	225
Toluene	U	0.098	1.3	mg/kg		8260B	03/10/14	225
1,2,3-Trichlorobenzene	U	0.069	0.26	mg/kg		8260B	03/10/14	225
1,2,4-Trichlorobenzene	U	0.087	0.26	mg/kg		8260B	03/10/14	225
1,1,1-Trichloroethane	U	0.064	0.26	mg/kg		8260B	03/10/14	225
1,1,2-Trichloroethane	U	0.062	0.26	mg/kg		8260B	03/10/14	225
Trichloroethene	0.57	0.063	0.26	mg/kg		8260B	03/10/14	225
Trichlorofluoromethane	U	0.086	1.3	mg/kg		8260B	03/10/14	225
1,2,3-Trichloropropane	U	0.17	0.66	mg/kg		8260B	03/10/14	225
1,2,4-Trimethylbenzene	0.073	0.047	0.26	mg/kg	J	8260B	03/10/14	225
1,2,3-Trimethylbenzene	U	0.064	0.26	mg/kg		8260B	03/10/14	225
1,3,5-Trimethylbenzene	U	0.060	0.26	mg/kg		8260B	03/10/14	225
Vinyl chloride	U	0.065	0.26	mg/kg		8260B	03/10/14	225
Xylenes, Total	U	0.16	0.80	mg/kg		8260B	03/10/14	225
Surrogate Recovery								
Toluene-d8	96.7			% Rec.		8260B	03/10/14	225
Dibromofluoromethane	97.8			% Rec.		8260B	03/10/14	225
4-Bromofluorobenzene	103.			% Rec.		8260B	03/10/14	225

Results listed are dry weight basis.
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REPORT OF ANALYSIS

Peter Fleury
S&ME Inc. - Kennesaw GA
3380 Town Point Drive Suite 140
Kennesaw, GA 30144

March 13,2014

ESC Sample # : L686434-02

Site ID :

Project # : 1804-13-164

Date Received : March 06, 2014
Description : Ideal Cleaners - LaGrange, GA

Sample ID : CS-2 2FT

Collected By : BJW
Collection Date : 03/04/14 15:02

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	79.4	0.0333		%		2540 G-2	03/10/14	1
Volatile Organics								
Acetone	0.048	0.010	0.063	mg/kg	J	8260B	03/09/14	1
Acrylonitrile	U	0.0018	0.012	mg/kg		8260B	03/09/14	1
Benzene	U	0.00027	0.0012	mg/kg		8260B	03/09/14	1
Bromobenzene	U	0.00028	0.0012	mg/kg		8260B	03/09/14	1
Bromodichloromethane	U	0.00025	0.0012	mg/kg		8260B	03/09/14	1
Bromoform	U	0.00042	0.0012	mg/kg		8260B	03/09/14	1
Bromomethane	U	0.0013	0.0063	mg/kg		8260B	03/09/14	1
n-Butylbenzene	U	0.00026	0.0012	mg/kg		8260B	03/09/14	1
sec-Butylbenzene	U	0.00020	0.0012	mg/kg		8260B	03/09/14	1
tert-Butylbenzene	U	0.00021	0.0012	mg/kg		8260B	03/09/14	1
Carbon tetrachloride	U	0.00033	0.0012	mg/kg		8260B	03/09/14	1
Chlorobenzene	0.00058	0.00021	0.0012	mg/kg	J	8260B	03/09/14	1
Chlorodibromomethane	U	0.00037	0.0012	mg/kg		8260B	03/09/14	1
Chloroethane	U	0.00095	0.0063	mg/kg		8260B	03/09/14	1
2-Chloroethyl vinyl ether	U	0.0023	0.063	mg/kg		8260B	03/09/14	1
Chloroform	0.0011	0.00023	0.0063	mg/kg	J	8260B	03/09/14	1
Chloromethane	U	0.00038	0.0031	mg/kg		8260B	03/09/14	1
2-Chlorotoluene	U	0.00030	0.0012	mg/kg		8260B	03/09/14	1
4-Chlorotoluene	U	0.00024	0.0012	mg/kg		8260B	03/09/14	1
1,2-Dibromo-3-Chloropropane	U	0.0010	0.0063	mg/kg		8260B	03/09/14	1
1,2-Dibromoethane	U	0.00034	0.0012	mg/kg		8260B	03/09/14	1
Dibromomethane	U	0.00038	0.0012	mg/kg		8260B	03/09/14	1
1,2-Dichlorobenzene	U	0.00030	0.0012	mg/kg		8260B	03/09/14	1
1,3-Dichlorobenzene	U	0.00024	0.0012	mg/kg		8260B	03/09/14	1
1,4-Dichlorobenzene	U	0.00023	0.0012	mg/kg		8260B	03/09/14	1
Dichlorodifluoromethane	U	0.00071	0.0063	mg/kg		8260B	03/09/14	1
1,1-Dichloroethane	U	0.00020	0.0012	mg/kg		8260B	03/09/14	1
1,2-Dichloroethane	U	0.00026	0.0012	mg/kg		8260B	03/09/14	1
1,1-Dichloroethene	U	0.00030	0.0012	mg/kg		8260B	03/09/14	1
cis-1,2-Dichloroethene	0.23	0.046	0.25	mg/kg	J	8260B	03/10/14	197.5
trans-1,2-Dichloroethene	0.0042	0.00026	0.0012	mg/kg		8260B	03/09/14	1
1,2-Dichloropropane	U	0.00036	0.0012	mg/kg		8260B	03/09/14	1
1,1-Dichloropropene	U	0.00032	0.0012	mg/kg		8260B	03/09/14	1
1,3-Dichloropropane	U	0.00021	0.0012	mg/kg		8260B	03/09/14	1
cis-1,3-Dichloropropene	U	0.00026	0.0012	mg/kg		8260B	03/09/14	1
trans-1,3-Dichloropropene	U	0.00027	0.0012	mg/kg		8260B	03/09/14	1
2,2-Dichloropropane	U	0.00028	0.0012	mg/kg		8260B	03/09/14	1
Di-isopropyl ether	U	0.00025	0.0012	mg/kg		8260B	03/09/14	1
Ethylbenzene	U	0.00030	0.0012	mg/kg		8260B	03/09/14	1
Hexachloro-1,3-butadiene	U	0.00034	0.0012	mg/kg		8260B	03/09/14	1

Results listed are dry weight basis.
U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
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REPORT OF ANALYSIS

Peter Fleury
S&ME Inc. - Kennesaw GA
3380 Town Point Drive Suite 140
Kennesaw, GA 30144

March 13,2014

Date Received : March 06, 2014
Description : Ideal Cleaners - LaGrange, GA

Sample ID : CS-2 2FT

Collected By : BJW
Collection Date : 03/04/14 15:02

ESC Sample # : L686434-02

Site ID :

Project # : 1804-13-164

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Isopropylbenzene	U	0.00024	0.0012	mg/kg		8260B	03/09/14	1
p-Isopropyltoluene	U	0.00020	0.0012	mg/kg		8260B	03/09/14	1
2-Butanone (MEK)	0.0065	0.0047	0.012	mg/kg	J	8260B	03/09/14	1
Methylene Chloride	U	0.0010	0.0063	mg/kg		8260B	03/09/14	1
4-Methyl-2-pentanone (MIBK)	U	0.0019	0.012	mg/kg		8260B	03/09/14	1
Methyl tert-butyl ether	U	0.00021	0.0012	mg/kg		8260B	03/09/14	1
Naphthalene	U	0.0010	0.0063	mg/kg		8260B	03/09/14	1
n-Propylbenzene	U	0.00021	0.0012	mg/kg		8260B	03/09/14	1
Styrene	U	0.00023	0.0012	mg/kg		8260B	03/09/14	1
1,1,1,2-Tetrachloroethane	0.0012	0.00026	0.0012	mg/kg		8260B	03/09/14	1
1,1,2,2-Tetrachloroethane	U	0.00036	0.0012	mg/kg		8260B	03/09/14	1
1,1,2-Trichlorotrifluoroethane	U	0.00036	0.0012	mg/kg		8260B	03/09/14	1
Tetrachloroethene	4.5	0.054	0.25	mg/kg		8260B	03/10/14	197.5
Toluene	U	0.00043	0.0063	mg/kg		8260B	03/09/14	1
1,2,3-Trichlorobenzene	U	0.00031	0.0012	mg/kg		8260B	03/09/14	1
1,2,4-Trichlorobenzene	U	0.00039	0.0012	mg/kg		8260B	03/09/14	1
1,1,1-Trichloroethane	U	0.00029	0.0012	mg/kg		8260B	03/09/14	1
1,1,2-Trichloroethane	0.00054	0.00028	0.0012	mg/kg	J	8260B	03/09/14	1
Trichloroethene	0.24	0.055	0.25	mg/kg	J	8260B	03/10/14	197.5
Trichlorofluoromethane	U	0.00038	0.0063	mg/kg		8260B	03/09/14	1
1,2,3-Trichloropropane	U	0.00074	0.0031	mg/kg		8260B	03/09/14	1
1,2,4-Trimethylbenzene	U	0.00021	0.0012	mg/kg		8260B	03/09/14	1
1,2,3-Trimethylbenzene	U	0.00029	0.0012	mg/kg		8260B	03/09/14	1
1,3,5-Trimethylbenzene	U	0.00027	0.0012	mg/kg		8260B	03/09/14	1
Vinyl chloride	0.00045	0.00029	0.0012	mg/kg	J	8260B	03/09/14	1
Xylenes, Total	U	0.00070	0.0038	mg/kg		8260B	03/09/14	1
Surrogate Recovery								
Toluene-d8	102.			% Rec.		8260B	03/09/14	1
Dibromofluoromethane	96.4			% Rec.		8260B	03/09/14	1
4-Bromofluorobenzene	110.			% Rec.		8260B	03/09/14	1

Results listed are dry weight basis.
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Note:

The reported analytical results relate only to the sample submitted
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REPORT OF ANALYSIS

Peter Fleury
S&ME Inc. - Kennesaw GA
3380 Town Point Drive Suite 140
Kennesaw, GA 30144

March 13,2014

ESC Sample # : L686434-03

Site ID :

Project # : 1804-13-164

Date Received : March 06, 2014
Description : Ideal Cleaners - LaGrange, GA

Sample ID : CS-3 2FT

Collected By : BJW
Collection Date : 03/04/14 15:10

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	70.4	0.0333		%		2540 G-2	03/10/14	1
Volatile Organics								
Acetone	0.043	0.010	0.071	mg/kg	J	8260B	03/08/14	1
Acrylonitrile	U	0.0018	0.014	mg/kg		8260B	03/08/14	1
Benzene	U	0.00027	0.0014	mg/kg		8260B	03/08/14	1
Bromobenzene	U	0.00028	0.0014	mg/kg		8260B	03/08/14	1
Bromodichloromethane	U	0.00025	0.0014	mg/kg		8260B	03/08/14	1
Bromoform	U	0.00042	0.0014	mg/kg		8260B	03/08/14	1
Bromomethane	U	0.0013	0.0071	mg/kg		8260B	03/08/14	1
n-Butylbenzene	U	0.00026	0.0014	mg/kg		8260B	03/08/14	1
sec-Butylbenzene	U	0.00020	0.0014	mg/kg		8260B	03/08/14	1
tert-Butylbenzene	U	0.00021	0.0014	mg/kg		8260B	03/08/14	1
Carbon tetrachloride	U	0.00033	0.0014	mg/kg		8260B	03/08/14	1
Chlorobenzene	0.00057	0.00021	0.0014	mg/kg	J	8260B	03/08/14	1
Chlorodibromomethane	U	0.00037	0.0014	mg/kg		8260B	03/08/14	1
Chloroethane	U	0.00095	0.0071	mg/kg		8260B	03/08/14	1
2-Chloroethyl vinyl ether	U	0.0023	0.071	mg/kg		8260B	03/08/14	1
Chloroform	0.00064	0.00023	0.0071	mg/kg	J	8260B	03/08/14	1
Chloromethane	U	0.00038	0.0036	mg/kg		8260B	03/08/14	1
2-Chlorotoluene	U	0.00030	0.0014	mg/kg		8260B	03/08/14	1
4-Chlorotoluene	U	0.00024	0.0014	mg/kg		8260B	03/08/14	1
1,2-Dibromo-3-Chloropropane	U	0.0010	0.0071	mg/kg		8260B	03/08/14	1
1,2-Dibromoethane	U	0.00034	0.0014	mg/kg		8260B	03/08/14	1
Dibromomethane	U	0.00038	0.0014	mg/kg		8260B	03/08/14	1
1,2-Dichlorobenzene	U	0.00030	0.0014	mg/kg		8260B	03/08/14	1
1,3-Dichlorobenzene	U	0.00024	0.0014	mg/kg		8260B	03/08/14	1
1,4-Dichlorobenzene	U	0.00023	0.0014	mg/kg		8260B	03/08/14	1
Dichlorodifluoromethane	U	0.00071	0.0071	mg/kg		8260B	03/08/14	1
1,1-Dichloroethane	U	0.00020	0.0014	mg/kg		8260B	03/08/14	1
1,2-Dichloroethane	U	0.00026	0.0014	mg/kg		8260B	03/08/14	1
1,1-Dichloroethene	U	0.00030	0.0014	mg/kg		8260B	03/08/14	1
cis-1,2-Dichloroethene	0.37	0.052	0.31	mg/kg		8260B	03/11/14	221
trans-1,2-Dichloroethene	0.0045	0.00026	0.0014	mg/kg		8260B	03/08/14	1
1,2-Dichloropropane	U	0.00036	0.0014	mg/kg		8260B	03/08/14	1
1,1-Dichloropropene	U	0.00032	0.0014	mg/kg		8260B	03/08/14	1
1,3-Dichloropropane	U	0.00021	0.0014	mg/kg		8260B	03/08/14	1
cis-1,3-Dichloropropene	U	0.00026	0.0014	mg/kg		8260B	03/08/14	1
trans-1,3-Dichloropropene	U	0.00027	0.0014	mg/kg		8260B	03/08/14	1
2,2-Dichloropropane	U	0.00028	0.0014	mg/kg		8260B	03/08/14	1
Di-isopropyl ether	U	0.00025	0.0014	mg/kg		8260B	03/08/14	1
Ethylbenzene	U	0.00030	0.0014	mg/kg		8260B	03/08/14	1
Hexachloro-1,3-butadiene	U	0.00034	0.0014	mg/kg		8260B	03/08/14	1

Results listed are dry weight basis.
U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
Note:

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Est. 1970

REPORT OF ANALYSIS

Peter Fleury
S&ME Inc. - Kennesaw GA
3380 Town Point Drive Suite 140
Kennesaw, GA 30144

March 13,2014

Date Received : March 06, 2014
Description : Ideal Cleaners - LaGrange, GA

Sample ID : CS-3 2FT

Collected By : BJW
Collection Date : 03/04/14 15:10

ESC Sample # : L686434-03

Site ID :

Project # : 1804-13-164

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Isopropylbenzene	U	0.00024	0.0014	mg/kg		8260B	03/08/14	1
p-Isopropyltoluene	U	0.00020	0.0014	mg/kg		8260B	03/08/14	1
2-Butanone (MEK)	U	0.0047	0.014	mg/kg		8260B	03/08/14	1
Methylene Chloride	U	0.0010	0.0071	mg/kg		8260B	03/08/14	1
4-Methyl-2-pentanone (MIBK)	U	0.0019	0.014	mg/kg		8260B	03/08/14	1
Methyl tert-butyl ether	U	0.00021	0.0014	mg/kg		8260B	03/08/14	1
Naphthalene	U	0.0010	0.0071	mg/kg		8260B	03/08/14	1
n-Propylbenzene	U	0.00021	0.0014	mg/kg		8260B	03/08/14	1
Styrene	U	0.00023	0.0014	mg/kg		8260B	03/08/14	1
1,1,1,2-Tetrachloroethane	0.00077	0.00026	0.0014	mg/kg	J	8260B	03/08/14	1
1,1,2,2-Tetrachloroethane	U	0.00036	0.0014	mg/kg		8260B	03/08/14	1
1,1,2-Trichlorotrifluoroethane	U	0.00036	0.0014	mg/kg		8260B	03/08/14	1
Tetrachloroethene	24.	0.061	0.31	mg/kg		8260B	03/11/14	221
Toluene	U	0.00043	0.0071	mg/kg		8260B	03/08/14	1
1,2,3-Trichlorobenzene	U	0.00031	0.0014	mg/kg		8260B	03/08/14	1
1,2,4-Trichlorobenzene	U	0.00039	0.0014	mg/kg		8260B	03/08/14	1
1,1,1-Trichloroethane	U	0.00029	0.0014	mg/kg		8260B	03/08/14	1
1,1,2-Trichloroethane	U	0.00028	0.0014	mg/kg		8260B	03/08/14	1
Trichloroethene	0.65	0.062	0.31	mg/kg		8260B	03/11/14	221
Trichlorofluoromethane	U	0.00038	0.0071	mg/kg		8260B	03/08/14	1
1,2,3-Trichloropropane	U	0.00074	0.0036	mg/kg		8260B	03/08/14	1
1,2,4-Trimethylbenzene	0.00054	0.00021	0.0014	mg/kg	J	8260B	03/08/14	1
1,2,3-Trimethylbenzene	U	0.00029	0.0014	mg/kg		8260B	03/08/14	1
1,3,5-Trimethylbenzene	U	0.00027	0.0014	mg/kg		8260B	03/08/14	1
Vinyl chloride	U	0.00029	0.0014	mg/kg		8260B	03/08/14	1
Xylenes, Total	U	0.00070	0.0043	mg/kg		8260B	03/08/14	1
Surrogate Recovery								
Toluene-d8	88.2			% Rec.	J2	8260B	03/08/14	1
Dibromofluoromethane	94.8			% Rec.		8260B	03/08/14	1
4-Bromofluorobenzene	125.			% Rec.		8260B	03/08/14	1

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REPORT OF ANALYSIS

Peter Fleury
S&ME Inc. - Kennesaw GA
3380 Town Point Drive Suite 140
Kennesaw, GA 30144

March 13,2014

ESC Sample # : L686434-04

Site ID :

Project # : 1804-13-164

Date Received : March 06, 2014
Description : Ideal Cleaners - LaGrange, GA

Sample ID : CS-4 3FT

Collected By : BJW
Collection Date : 03/04/14 15:20

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	81.7	0.0333		%		2540 G-2	03/10/14	1
Volatile Organics								
Acetone	0.013	0.010	0.061	mg/kg	J	8260B	03/10/14	1
Acrylonitrile	U	0.0018	0.012	mg/kg		8260B	03/10/14	1
Benzene	U	0.00027	0.0012	mg/kg		8260B	03/10/14	1
Bromobenzene	U	0.00028	0.0012	mg/kg		8260B	03/10/14	1
Bromodichloromethane	U	0.00025	0.0012	mg/kg		8260B	03/10/14	1
Bromoform	U	0.00042	0.0012	mg/kg		8260B	03/10/14	1
Bromomethane	U	0.0013	0.0061	mg/kg		8260B	03/10/14	1
n-Butylbenzene	U	0.00026	0.0012	mg/kg		8260B	03/10/14	1
sec-Butylbenzene	U	0.00020	0.0012	mg/kg		8260B	03/10/14	1
tert-Butylbenzene	U	0.00021	0.0012	mg/kg		8260B	03/10/14	1
Carbon tetrachloride	U	0.00033	0.0012	mg/kg		8260B	03/10/14	1
Chlorobenzene	U	0.00021	0.0012	mg/kg		8260B	03/10/14	1
Chlorodibromomethane	U	0.00037	0.0012	mg/kg		8260B	03/10/14	1
Chloroethane	U	0.00095	0.0061	mg/kg		8260B	03/10/14	1
2-Chloroethyl vinyl ether	U	0.0023	0.061	mg/kg		8260B	03/10/14	1
Chloroform	U	0.00023	0.0061	mg/kg		8260B	03/10/14	1
Chloromethane	U	0.00038	0.0030	mg/kg		8260B	03/10/14	1
2-Chlorotoluene	U	0.00030	0.0012	mg/kg		8260B	03/10/14	1
4-Chlorotoluene	U	0.00024	0.0012	mg/kg		8260B	03/10/14	1
1,2-Dibromo-3-Chloropropane	U	0.0010	0.0061	mg/kg		8260B	03/10/14	1
1,2-Dibromoethane	U	0.00034	0.0012	mg/kg		8260B	03/10/14	1
Dibromomethane	U	0.00038	0.0012	mg/kg		8260B	03/10/14	1
1,2-Dichlorobenzene	U	0.00030	0.0012	mg/kg		8260B	03/10/14	1
1,3-Dichlorobenzene	U	0.00024	0.0012	mg/kg		8260B	03/10/14	1
1,4-Dichlorobenzene	U	0.00023	0.0012	mg/kg		8260B	03/10/14	1
Dichlorodifluoromethane	U	0.00071	0.0061	mg/kg		8260B	03/10/14	1
1,1-Dichloroethane	U	0.00020	0.0012	mg/kg		8260B	03/10/14	1
1,2-Dichloroethane	U	0.00026	0.0012	mg/kg		8260B	03/10/14	1
1,1-Dichloroethene	U	0.00030	0.0012	mg/kg		8260B	03/10/14	1
cis-1,2-Dichloroethene	1.3	0.23	1.2	mg/kg		8260B	03/13/14	970
trans-1,2-Dichloroethene	0.0060	0.00026	0.0012	mg/kg		8260B	03/10/14	1
1,2-Dichloropropane	U	0.00036	0.0012	mg/kg		8260B	03/10/14	1
1,1-Dichloropropene	U	0.00032	0.0012	mg/kg		8260B	03/10/14	1
1,3-Dichloropropane	U	0.00021	0.0012	mg/kg		8260B	03/10/14	1
cis-1,3-Dichloropropene	U	0.00026	0.0012	mg/kg		8260B	03/10/14	1
trans-1,3-Dichloropropene	U	0.00027	0.0012	mg/kg		8260B	03/10/14	1
2,2-Dichloropropane	U	0.00028	0.0012	mg/kg		8260B	03/10/14	1
Di-isopropyl ether	U	0.00025	0.0012	mg/kg		8260B	03/10/14	1
Ethylbenzene	U	0.00030	0.0012	mg/kg		8260B	03/10/14	1
Hexachloro-1,3-butadiene	U	0.00034	0.0012	mg/kg		8260B	03/10/14	1

Results listed are dry weight basis.
U = ND (Not Detected)
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REPORT OF ANALYSIS

Peter Fleury
S&ME Inc. - Kennesaw GA
3380 Town Point Drive Suite 140
Kennesaw, GA 30144

March 13,2014

Date Received : March 06, 2014
Description : Ideal Cleaners - LaGrange, GA

Sample ID : CS-4 3FT

Collected By : BJW
Collection Date : 03/04/14 15:20

ESC Sample # : L686434-04

Site ID :

Project # : 1804-13-164

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Isopropylbenzene	U	0.00024	0.0012	mg/kg		8260B	03/10/14	1
p-Isopropyltoluene	U	0.00020	0.0012	mg/kg		8260B	03/10/14	1
2-Butanone (MEK)	U	0.0047	0.012	mg/kg	J3	8260B	03/10/14	1
Methylene Chloride	U	0.0010	0.0061	mg/kg		8260B	03/10/14	1
4-Methyl-2-pentanone (MIBK)	U	0.0019	0.012	mg/kg		8260B	03/10/14	1
Methyl tert-butyl ether	U	0.00021	0.0012	mg/kg		8260B	03/10/14	1
Naphthalene	U	0.0010	0.0061	mg/kg		8260B	03/10/14	1
n-Propylbenzene	U	0.00021	0.0012	mg/kg		8260B	03/10/14	1
Styrene	U	0.00023	0.0012	mg/kg		8260B	03/10/14	1
1,1,1,2-Tetrachloroethane	U	0.00026	0.0012	mg/kg		8260B	03/10/14	1
1,1,2,2-Tetrachloroethane	U	0.00036	0.0012	mg/kg		8260B	03/10/14	1
1,1,2-Trichlorotrifluoroethane	U	0.00036	0.0012	mg/kg		8260B	03/10/14	1
Tetrachloroethene	67.	0.27	1.2	mg/kg		8260B	03/13/14	970
Toluene	U	0.00043	0.0061	mg/kg		8260B	03/10/14	1
1,2,3-Trichlorobenzene	U	0.00031	0.0012	mg/kg		8260B	03/10/14	1
1,2,4-Trichlorobenzene	U	0.00039	0.0012	mg/kg		8260B	03/10/14	1
1,1,1-Trichloroethane	U	0.00029	0.0012	mg/kg		8260B	03/10/14	1
1,1,2-Trichloroethane	U	0.00028	0.0012	mg/kg		8260B	03/10/14	1
Trichloroethene	5.6	0.27	1.2	mg/kg		8260B	03/13/14	970
Trichlorofluoromethane	U	0.00038	0.0061	mg/kg		8260B	03/10/14	1
1,2,3-Trichloropropane	U	0.00074	0.0030	mg/kg		8260B	03/10/14	1
1,2,4-Trimethylbenzene	U	0.00021	0.0012	mg/kg		8260B	03/10/14	1
1,2,3-Trimethylbenzene	U	0.00029	0.0012	mg/kg		8260B	03/10/14	1
1,3,5-Trimethylbenzene	U	0.00027	0.0012	mg/kg		8260B	03/10/14	1
Vinyl chloride	U	0.00029	0.0012	mg/kg		8260B	03/10/14	1
Xylenes, Total	U	0.00070	0.0037	mg/kg		8260B	03/10/14	1
Surrogate Recovery								
Toluene-d8	104.			% Rec.		8260B	03/10/14	1
Dibromofluoromethane	94.5			% Rec.		8260B	03/10/14	1
4-Bromofluorobenzene	89.5			% Rec.		8260B	03/10/14	1

Results listed are dry weight basis.
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Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L686434-01	WG710075	SAMP	Bromomethane	R2891872	J3
	WG710075	SAMP	1,2,4-Trimethylbenzene	R2891872	J
L686434-02	WG709972	SAMP	Acetone	R2891582	J
	WG709972	SAMP	Chlorobenzene	R2891582	J
	WG709972	SAMP	Chloroform	R2891582	J
	WG710075	SAMP	cis-1,2-Dichloroethene	R2891872	J
	WG709972	SAMP	2-Butanone (MEK)	R2891582	J
	WG709972	SAMP	1,1,2-Trichloroethane	R2891582	J
	WG710075	SAMP	Trichloroethene	R2891872	J
	WG709972	SAMP	Vinyl chloride	R2891582	J
L686434-03	WG709862	SAMP	Acetone	R2891433	J
	WG709862	SAMP	Chlorobenzene	R2891433	J
	WG709862	SAMP	Chloroform	R2891433	J
	WG709862	SAMP	1,1,1,2-Tetrachloroethane	R2891433	J
	WG709862	SAMP	1,2,4-Trimethylbenzene	R2891433	J
	WG709862	SAMP	Toluene-d8	R2891433	J2
L686434-04	WG709863	SAMP	Acetone	R2891801	J
	WG709863	SAMP	2-Butanone (MEK)	R2891801	J3

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits
J3	The associated batch QC was outside the established quality control range for precision.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
03/13/14 at 12:57:03

TSR Signing Reports: 206
R5 - Desired TAT

Sample: L686434-01 Account: SMEKEN Received: 03/06/14 09:30 Due Date: 03/13/14 00:00 RPT Date: 03/13/14 12:56

Sample: L686434-02 Account: SMEKEN Received: 03/06/14 09:30 Due Date: 03/13/14 00:00 RPT Date: 03/13/14 12:56

Sample: L686434-03 Account: SMEKEN Received: 03/06/14 09:30 Due Date: 03/13/14 00:00 RPT Date: 03/13/14 12:56

Sample: L686434-04 Account: SMEKEN Received: 03/06/14 09:30 Due Date: 03/13/14 00:00 RPT Date: 03/13/14 12:56

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S&ME Inc. - Kennesaw GA
Peter Fleury
3380 Town Point Drive Suite 140
Kennesaw, GA 30144

Quality Assurance Report
Level II

L686434

March 13, 2014

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
1,1,1,2-Tetrachloroethane	< .001	mg/kg			WG709862	03/08/14 14:10
1,1,1-Trichloroethane	< .001	mg/kg			WG709862	03/08/14 14:10
1,1,2,2-Tetrachloroethane	< .001	mg/kg			WG709862	03/08/14 14:10
1,1,2-Trichloroethane	< .001	mg/kg			WG709862	03/08/14 14:10
1,1,2-Trichlorotrifluoroethane	< .001	mg/kg			WG709862	03/08/14 14:10
1,1-Dichloroethane	< .001	mg/kg			WG709862	03/08/14 14:10
1,1-Dichloroethene	< .001	mg/kg			WG709862	03/08/14 14:10
1,1-Dichloropropene	< .001	mg/kg			WG709862	03/08/14 14:10
1,2,3-Trichlorobenzene	< .001	mg/kg			WG709862	03/08/14 14:10
1,2,3-Trichloropropane	< .0025	mg/kg			WG709862	03/08/14 14:10
1,2,3-Trimethylbenzene	< .001	mg/kg			WG709862	03/08/14 14:10
1,2,4-Trichlorobenzene	< .001	mg/kg			WG709862	03/08/14 14:10
1,2,4-Trimethylbenzene	< .001	mg/kg			WG709862	03/08/14 14:10
1,2-Dibromo-3-Chloropropane	< .005	mg/kg			WG709862	03/08/14 14:10
1,2-Dibromoethane	< .001	mg/kg			WG709862	03/08/14 14:10
1,2-Dichlorobenzene	< .001	mg/kg			WG709862	03/08/14 14:10
1,2-Dichloroethane	< .001	mg/kg			WG709862	03/08/14 14:10
1,2-Dichloropropane	< .001	mg/kg			WG709862	03/08/14 14:10
1,3,5-Trimethylbenzene	< .001	mg/kg			WG709862	03/08/14 14:10
1,3-Dichlorobenzene	< .001	mg/kg			WG709862	03/08/14 14:10
1,3-Dichloropropane	< .001	mg/kg			WG709862	03/08/14 14:10
1,4-Dichlorobenzene	< .001	mg/kg			WG709862	03/08/14 14:10
2,2-Dichloropropane	< .001	mg/kg			WG709862	03/08/14 14:10
2-Butanone (MEK)	< .01	mg/kg			WG709862	03/08/14 14:10
2-Chloroethyl vinyl ether	< .05	mg/kg			WG709862	03/08/14 14:10
2-Chlorotoluene	< .001	mg/kg			WG709862	03/08/14 14:10
4-Chlorotoluene	< .001	mg/kg			WG709862	03/08/14 14:10
4-Methyl-2-pentanone (MIBK)	< .01	mg/kg			WG709862	03/08/14 14:10
Acetone	< .05	mg/kg			WG709862	03/08/14 14:10
Acrylonitrile	< .01	mg/kg			WG709862	03/08/14 14:10
Benzene	< .001	mg/kg			WG709862	03/08/14 14:10
Bromobenzene	< .001	mg/kg			WG709862	03/08/14 14:10
Bromodichloromethane	< .001	mg/kg			WG709862	03/08/14 14:10
Bromoform	< .001	mg/kg			WG709862	03/08/14 14:10
Bromomethane	< .005	mg/kg			WG709862	03/08/14 14:10
Carbon tetrachloride	< .001	mg/kg			WG709862	03/08/14 14:10
Chlorobenzene	< .001	mg/kg			WG709862	03/08/14 14:10
Chlorodibromomethane	< .001	mg/kg			WG709862	03/08/14 14:10
Chloroethane	< .005	mg/kg			WG709862	03/08/14 14:10
Chloroform	< .005	mg/kg			WG709862	03/08/14 14:10
Chloromethane	< .0025	mg/kg			WG709862	03/08/14 14:10
cis-1,3-Dichloropropene	< .001	mg/kg			WG709862	03/08/14 14:10
Di-isopropyl ether	< .001	mg/kg			WG709862	03/08/14 14:10
Dibromomethane	< .001	mg/kg			WG709862	03/08/14 14:10
Dichlorodifluoromethane	< .005	mg/kg			WG709862	03/08/14 14:10
Ethylbenzene	< .001	mg/kg			WG709862	03/08/14 14:10
Hexachloro-1,3-butadiene	< .001	mg/kg			WG709862	03/08/14 14:10
Isopropylbenzene	< .001	mg/kg			WG709862	03/08/14 14:10
Methyl tert-butyl ether	< .001	mg/kg			WG709862	03/08/14 14:10
Methylene Chloride	< .005	mg/kg			WG709862	03/08/14 14:10
n-Butylbenzene	< .001	mg/kg			WG709862	03/08/14 14:10
n-Propylbenzene	< .001	mg/kg			WG709862	03/08/14 14:10
Naphthalene	< .005	mg/kg			WG709862	03/08/14 14:10
p-Isopropyltoluene	< .001	mg/kg			WG709862	03/08/14 14:10
sec-Butylbenzene	< .001	mg/kg			WG709862	03/08/14 14:10
Styrene	< .001	mg/kg			WG709862	03/08/14 14:10
tert-Butylbenzene	< .001	mg/kg			WG709862	03/08/14 14:10
Toluene	< .005	mg/kg			WG709862	03/08/14 14:10
trans-1,2-Dichloroethene	< .001	mg/kg			WG709862	03/08/14 14:10

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Peter Fleury
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Kennesaw, GA 30144

Quality Assurance Report
Level II

L686434

March 13, 2014

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
trans-1,3-Dichloropropene	< .001	mg/kg			WG709862	03/08/14 14:10
Trichlorofluoromethane	< .005	mg/kg			WG709862	03/08/14 14:10
Vinyl chloride	< .001	mg/kg			WG709862	03/08/14 14:10
Xylenes, Total	< .003	mg/kg			WG709862	03/08/14 14:10
4-Bromofluorobenzene		% Rec.	91.10	71-126	WG709862	03/08/14 14:10
Dibromofluoromethane		% Rec.	97.70	78.3-121	WG709862	03/08/14 14:10
Toluene-d8		% Rec.	97.00	88.5-111	WG709862	03/08/14 14:10
1,1,1,2-Tetrachloroethane	< .001	mg/kg			WG709972	03/09/14 14:23
1,1,1-Trichloroethane	< .001	mg/kg			WG709972	03/09/14 14:23
1,1,2,2-Tetrachloroethane	< .001	mg/kg			WG709972	03/09/14 14:23
1,1,2-Trichloroethane	< .001	mg/kg			WG709972	03/09/14 14:23
1,1,2-Trichlorotrifluoroethane	< .001	mg/kg			WG709972	03/09/14 14:23
1,1-Dichloroethane	< .001	mg/kg			WG709972	03/09/14 14:23
1,1-Dichloroethene	< .001	mg/kg			WG709972	03/09/14 14:23
1,1-Dichloropropene	< .001	mg/kg			WG709972	03/09/14 14:23
1,2,3-Trichlorobenzene	< .001	mg/kg			WG709972	03/09/14 14:23
1,2,3-Trichloropropane	< .0025	mg/kg			WG709972	03/09/14 14:23
1,2,3-Trimethylbenzene	< .001	mg/kg			WG709972	03/09/14 14:23
1,2,4-Trichlorobenzene	< .001	mg/kg			WG709972	03/09/14 14:23
1,2,4-Trimethylbenzene	< .001	mg/kg			WG709972	03/09/14 14:23
1,2-Dibromo-3-Chloropropane	< .005	mg/kg			WG709972	03/09/14 14:23
1,2-Dibromoethane	< .001	mg/kg			WG709972	03/09/14 14:23
1,2-Dichlorobenzene	< .001	mg/kg			WG709972	03/09/14 14:23
1,2-Dichloroethane	< .001	mg/kg			WG709972	03/09/14 14:23
1,2-Dichloropropane	< .001	mg/kg			WG709972	03/09/14 14:23
1,3,5-Trimethylbenzene	< .001	mg/kg			WG709972	03/09/14 14:23
1,3-Dichlorobenzene	< .001	mg/kg			WG709972	03/09/14 14:23
1,3-Dichloropropane	< .001	mg/kg			WG709972	03/09/14 14:23
1,4-Dichlorobenzene	< .001	mg/kg			WG709972	03/09/14 14:23
2,2-Dichloropropane	< .001	mg/kg			WG709972	03/09/14 14:23
2-Butanone (MEK)	< .01	mg/kg			WG709972	03/09/14 14:23
2-Chloroethyl vinyl ether	< .05	mg/kg			WG709972	03/09/14 14:23
2-Chlorotoluene	< .001	mg/kg			WG709972	03/09/14 14:23
4-Chlorotoluene	< .001	mg/kg			WG709972	03/09/14 14:23
4-Methyl-2-pentanone (MIBK)	< .01	mg/kg			WG709972	03/09/14 14:23
Acetone	< .05	mg/kg			WG709972	03/09/14 14:23
Acrylonitrile	< .01	mg/kg			WG709972	03/09/14 14:23
Benzene	< .001	mg/kg			WG709972	03/09/14 14:23
Bromobenzene	< .001	mg/kg			WG709972	03/09/14 14:23
Bromodichloromethane	< .001	mg/kg			WG709972	03/09/14 14:23
Bromoform	< .001	mg/kg			WG709972	03/09/14 14:23
Bromomethane	< .005	mg/kg			WG709972	03/09/14 14:23
Carbon tetrachloride	< .001	mg/kg			WG709972	03/09/14 14:23
Chlorobenzene	< .001	mg/kg			WG709972	03/09/14 14:23
Chlorodibromomethane	< .001	mg/kg			WG709972	03/09/14 14:23
Chloroethane	< .005	mg/kg			WG709972	03/09/14 14:23
Chloroform	< .005	mg/kg			WG709972	03/09/14 14:23
Chloromethane	< .0025	mg/kg			WG709972	03/09/14 14:23
cis-1,3-Dichloropropene	< .001	mg/kg			WG709972	03/09/14 14:23
Di-isopropyl ether	< .001	mg/kg			WG709972	03/09/14 14:23
Dibromomethane	< .001	mg/kg			WG709972	03/09/14 14:23
Dichlorodifluoromethane	< .005	mg/kg			WG709972	03/09/14 14:23
Ethylbenzene	< .001	mg/kg			WG709972	03/09/14 14:23
Hexachloro-1,3-butadiene	< .001	mg/kg			WG709972	03/09/14 14:23
Isopropylbenzene	< .001	mg/kg			WG709972	03/09/14 14:23
Methyl tert-butyl ether	< .001	mg/kg			WG709972	03/09/14 14:23
Methylene Chloride	< .005	mg/kg			WG709972	03/09/14 14:23

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Quality Assurance Report
Level II

L686434

March 13, 2014

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
n-Butylbenzene	< .001	mg/kg			WG709972	03/09/14 14:23
n-Propylbenzene	< .001	mg/kg			WG709972	03/09/14 14:23
Naphthalene	< .005	mg/kg			WG709972	03/09/14 14:23
p-Isopropyltoluene	< .001	mg/kg			WG709972	03/09/14 14:23
sec-Butylbenzene	< .001	mg/kg			WG709972	03/09/14 14:23
Styrene	< .001	mg/kg			WG709972	03/09/14 14:23
tert-Butylbenzene	< .001	mg/kg			WG709972	03/09/14 14:23
Toluene	< .005	mg/kg			WG709972	03/09/14 14:23
trans-1,2-Dichloroethene	< .001	mg/kg			WG709972	03/09/14 14:23
trans-1,3-Dichloropropene	< .001	mg/kg			WG709972	03/09/14 14:23
Trichlorofluoromethane	< .005	mg/kg			WG709972	03/09/14 14:23
Vinyl chloride	< .001	mg/kg			WG709972	03/09/14 14:23
Xylenes, Total	< .003	mg/kg			WG709972	03/09/14 14:23
4-Bromofluorobenzene		% Rec.	106.0	71-126	WG709972	03/09/14 14:23
Dibromofluoromethane		% Rec.	99.60	78.3-121	WG709972	03/09/14 14:23
Toluene-d8		% Rec.	103.0	88.5-111	WG709972	03/09/14 14:23
Total Solids	< .1	%			WG709595	03/10/14 11:58
Total Solids	< .1	%			WG709596	03/10/14 12:03
1,1,1,2-Tetrachloroethane	< .001	mg/kg			WG709863	03/10/14 11:07
1,1,1-Trichloroethane	< .001	mg/kg			WG709863	03/10/14 11:07
1,1,2,2-Tetrachloroethane	< .001	mg/kg			WG709863	03/10/14 11:07
1,1,2-Trichloroethane	< .001	mg/kg			WG709863	03/10/14 11:07
1,1,2-Trichlorotrifluoroethane	< .001	mg/kg			WG709863	03/10/14 11:07
1,1-Dichloroethane	< .001	mg/kg			WG709863	03/10/14 11:07
1,1-Dichloroethene	< .001	mg/kg			WG709863	03/10/14 11:07
1,1-Dichloropropene	< .001	mg/kg			WG709863	03/10/14 11:07
1,2,3-Trichlorobenzene	< .001	mg/kg			WG709863	03/10/14 11:07
1,2,3-Trichloropropane	< .0025	mg/kg			WG709863	03/10/14 11:07
1,2,3-Trimethylbenzene	< .001	mg/kg			WG709863	03/10/14 11:07
1,2,4-Trichlorobenzene	< .001	mg/kg			WG709863	03/10/14 11:07
1,2,4-Trimethylbenzene	< .001	mg/kg			WG709863	03/10/14 11:07
1,2-Dibromo-3-Chloropropane	< .005	mg/kg			WG709863	03/10/14 11:07
1,2-Dibromoethane	< .001	mg/kg			WG709863	03/10/14 11:07
1,2-Dichlorobenzene	< .001	mg/kg			WG709863	03/10/14 11:07
1,2-Dichloroethane	< .001	mg/kg			WG709863	03/10/14 11:07
1,2-Dichloropropane	< .001	mg/kg			WG709863	03/10/14 11:07
1,3,5-Trimethylbenzene	< .001	mg/kg			WG709863	03/10/14 11:07
1,3-Dichlorobenzene	< .001	mg/kg			WG709863	03/10/14 11:07
1,3-Dichloropropane	< .001	mg/kg			WG709863	03/10/14 11:07
1,4-Dichlorobenzene	< .001	mg/kg			WG709863	03/10/14 11:07
2,2-Dichloropropane	< .001	mg/kg			WG709863	03/10/14 11:07
2-Butanone (MEK)	< .01	mg/kg			WG709863	03/10/14 11:07
2-Chloroethyl vinyl ether	< .05	mg/kg			WG709863	03/10/14 11:07
2-Chlorotoluene	< .001	mg/kg			WG709863	03/10/14 11:07
4-Chlorotoluene	< .001	mg/kg			WG709863	03/10/14 11:07
4-Methyl-2-pentanone (MIBK)	< .01	mg/kg			WG709863	03/10/14 11:07
Acetone	< .05	mg/kg			WG709863	03/10/14 11:07
Acrylonitrile	< .01	mg/kg			WG709863	03/10/14 11:07
Benzene	< .001	mg/kg			WG709863	03/10/14 11:07
Bromobenzene	< .001	mg/kg			WG709863	03/10/14 11:07
Bromodichloromethane	< .001	mg/kg			WG709863	03/10/14 11:07
Bromoform	< .001	mg/kg			WG709863	03/10/14 11:07
Bromomethane	< .005	mg/kg			WG709863	03/10/14 11:07

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Quality Assurance Report
Level II

L686434

March 13, 2014

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Carbon tetrachloride	< .001	mg/kg			WG709863	03/10/14 11:07
Chlorobenzene	< .001	mg/kg			WG709863	03/10/14 11:07
Chlorodibromomethane	< .001	mg/kg			WG709863	03/10/14 11:07
Chloroethane	< .005	mg/kg			WG709863	03/10/14 11:07
Chloroform	< .005	mg/kg			WG709863	03/10/14 11:07
Chloromethane	< .0025	mg/kg			WG709863	03/10/14 11:07
cis-1,3-Dichloropropene	< .001	mg/kg			WG709863	03/10/14 11:07
Di-isopropyl ether	< .001	mg/kg			WG709863	03/10/14 11:07
Dibromomethane	< .001	mg/kg			WG709863	03/10/14 11:07
Dichlorodifluoromethane	< .005	mg/kg			WG709863	03/10/14 11:07
Ethylbenzene	< .001	mg/kg			WG709863	03/10/14 11:07
Hexachloro-1,3-butadiene	< .001	mg/kg			WG709863	03/10/14 11:07
Isopropylbenzene	< .001	mg/kg			WG709863	03/10/14 11:07
Methyl tert-butyl ether	< .001	mg/kg			WG709863	03/10/14 11:07
Methylene Chloride	< .005	mg/kg			WG709863	03/10/14 11:07
n-Butylbenzene	< .001	mg/kg			WG709863	03/10/14 11:07
n-Propylbenzene	< .001	mg/kg			WG709863	03/10/14 11:07
Naphthalene	< .005	mg/kg			WG709863	03/10/14 11:07
p-Isopropyltoluene	< .001	mg/kg			WG709863	03/10/14 11:07
sec-Butylbenzene	< .001	mg/kg			WG709863	03/10/14 11:07
Styrene	< .001	mg/kg			WG709863	03/10/14 11:07
tert-Butylbenzene	< .001	mg/kg			WG709863	03/10/14 11:07
Toluene	< .005	mg/kg			WG709863	03/10/14 11:07
trans-1,2-Dichloroethene	< .001	mg/kg			WG709863	03/10/14 11:07
trans-1,3-Dichloropropene	< .001	mg/kg			WG709863	03/10/14 11:07
Trichlorofluoromethane	< .005	mg/kg			WG709863	03/10/14 11:07
Vinyl chloride	< .001	mg/kg			WG709863	03/10/14 11:07
Xylenes, Total	< .003	mg/kg			WG709863	03/10/14 11:07
4-Bromofluorobenzene		% Rec.	97.80	71-126	WG709863	03/10/14 11:07
Dibromofluoromethane		% Rec.	99.00	78.3-121	WG709863	03/10/14 11:07
Toluene-d8		% Rec.	100.0	88.5-111	WG709863	03/10/14 11:07
1,1,1,2-Tetrachloroethane	< .001	mg/kg			WG710075	03/10/14 12:10
1,1,1-Trichloroethane	< .001	mg/kg			WG710075	03/10/14 12:10
1,1,2,2-Tetrachloroethane	< .001	mg/kg			WG710075	03/10/14 12:10
1,1,2-Trichloroethane	< .001	mg/kg			WG710075	03/10/14 12:10
1,1,2-Trichlorotrifluoroethane	< .001	mg/kg			WG710075	03/10/14 12:10
1,1-Dichloroethane	< .001	mg/kg			WG710075	03/10/14 12:10
1,1-Dichloroethene	< .001	mg/kg			WG710075	03/10/14 12:10
1,1-Dichloropropene	< .001	mg/kg			WG710075	03/10/14 12:10
1,2,3-Trichlorobenzene	< .001	mg/kg			WG710075	03/10/14 12:10
1,2,3-Trichloropropane	< .0025	mg/kg			WG710075	03/10/14 12:10
1,2,3-Trimethylbenzene	< .001	mg/kg			WG710075	03/10/14 12:10
1,2,4-Trichlorobenzene	< .001	mg/kg			WG710075	03/10/14 12:10
1,2,4-Trimethylbenzene	< .001	mg/kg			WG710075	03/10/14 12:10
1,2-Dibromo-3-Chloropropane	< .005	mg/kg			WG710075	03/10/14 12:10
1,2-Dibromoethane	< .001	mg/kg			WG710075	03/10/14 12:10
1,2-Dichlorobenzene	< .001	mg/kg			WG710075	03/10/14 12:10
1,2-Dichloroethane	< .001	mg/kg			WG710075	03/10/14 12:10
1,2-Dichloropropane	< .001	mg/kg			WG710075	03/10/14 12:10
1,3,5-Trimethylbenzene	< .001	mg/kg			WG710075	03/10/14 12:10
1,3-Dichlorobenzene	< .001	mg/kg			WG710075	03/10/14 12:10
1,3-Dichloropropane	< .001	mg/kg			WG710075	03/10/14 12:10
1,4-Dichlorobenzene	< .001	mg/kg			WG710075	03/10/14 12:10
2,2-Dichloropropane	< .001	mg/kg			WG710075	03/10/14 12:10
2-Butanone (MEK)	< .01	mg/kg			WG710075	03/10/14 12:10
2-Chloroethyl vinyl ether	< .05	mg/kg			WG710075	03/10/14 12:10
2-Chlorotoluene	< .001	mg/kg			WG710075	03/10/14 12:10

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Level II

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Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
4-Chlorotoluene	< .001	mg/kg			WG710075	03/10/14 12:10
4-Methyl-2-pentanone (MIBK)	< .01	mg/kg			WG710075	03/10/14 12:10
Acetone	< .05	mg/kg			WG710075	03/10/14 12:10
Acrylonitrile	< .01	mg/kg			WG710075	03/10/14 12:10
Benzene	< .001	mg/kg			WG710075	03/10/14 12:10
Bromobenzene	< .001	mg/kg			WG710075	03/10/14 12:10
Bromodichloromethane	< .001	mg/kg			WG710075	03/10/14 12:10
Bromoform	< .001	mg/kg			WG710075	03/10/14 12:10
Bromomethane	< .005	mg/kg			WG710075	03/10/14 12:10
Carbon tetrachloride	< .001	mg/kg			WG710075	03/10/14 12:10
Chlorobenzene	< .001	mg/kg			WG710075	03/10/14 12:10
Chlorodibromomethane	< .001	mg/kg			WG710075	03/10/14 12:10
Chloroethane	< .005	mg/kg			WG710075	03/10/14 12:10
Chloroform	< .005	mg/kg			WG710075	03/10/14 12:10
Chloromethane	< .0025	mg/kg			WG710075	03/10/14 12:10
cis-1,2-Dichloroethene	< .001	mg/kg			WG710075	03/10/14 12:10
cis-1,3-Dichloropropene	< .001	mg/kg			WG710075	03/10/14 12:10
Di-isopropyl ether	< .001	mg/kg			WG710075	03/10/14 12:10
Dibromomethane	< .001	mg/kg			WG710075	03/10/14 12:10
Dichlorodifluoromethane	< .005	mg/kg			WG710075	03/10/14 12:10
Ethylbenzene	< .001	mg/kg			WG710075	03/10/14 12:10
Hexachloro-1,3-butadiene	< .001	mg/kg			WG710075	03/10/14 12:10
Isopropylbenzene	< .001	mg/kg			WG710075	03/10/14 12:10
Methyl tert-butyl ether	< .001	mg/kg			WG710075	03/10/14 12:10
Methylene Chloride	< .005	mg/kg			WG710075	03/10/14 12:10
n-Butylbenzene	< .001	mg/kg			WG710075	03/10/14 12:10
n-Propylbenzene	< .001	mg/kg			WG710075	03/10/14 12:10
Naphthalene	< .005	mg/kg			WG710075	03/10/14 12:10
p-Isopropyltoluene	< .001	mg/kg			WG710075	03/10/14 12:10
sec-Butylbenzene	< .001	mg/kg			WG710075	03/10/14 12:10
Styrene	< .001	mg/kg			WG710075	03/10/14 12:10
tert-Butylbenzene	< .001	mg/kg			WG710075	03/10/14 12:10
Tetrachloroethene	< .001	mg/kg			WG710075	03/10/14 12:10
Toluene	< .005	mg/kg			WG710075	03/10/14 12:10
trans-1,2-Dichloroethene	< .001	mg/kg			WG710075	03/10/14 12:10
trans-1,3-Dichloropropene	< .001	mg/kg			WG710075	03/10/14 12:10
Trichloroethene	< .001	mg/kg			WG710075	03/10/14 12:10
Trichlorofluoromethane	< .005	mg/kg			WG710075	03/10/14 12:10
Vinyl chloride	< .001	mg/kg			WG710075	03/10/14 12:10
Xylenes, Total	< .003	mg/kg			WG710075	03/10/14 12:10
4-Bromofluorobenzene		% Rec.	103.0	71-126	WG710075	03/10/14 12:10
Dibromofluoromethane		% Rec.	100.0	78.3-121	WG710075	03/10/14 12:10
Toluene-d8		% Rec.	96.50	88.5-111	WG710075	03/10/14 12:10
cis-1,2-Dichloroethene	< .001	mg/kg			WG710116	03/11/14 13:31
Tetrachloroethene	< .001	mg/kg			WG710116	03/11/14 13:31
Trichloroethene	< .001	mg/kg			WG710116	03/11/14 13:31
4-Bromofluorobenzene		% Rec.	101.0	71-126	WG710116	03/11/14 13:31
Dibromofluoromethane		% Rec.	97.20	78.3-121	WG710116	03/11/14 13:31
Toluene-d8		% Rec.	97.10	88.5-111	WG710116	03/11/14 13:31
cis-1,2-Dichloroethene	< .001	mg/kg			WG710639	03/13/14 05:16
Tetrachloroethene	< .001	mg/kg			WG710639	03/13/14 05:16
Trichloroethene	< .001	mg/kg			WG710639	03/13/14 05:16
4-Bromofluorobenzene		% Rec.	95.90	71-126	WG710639	03/13/14 05:16
Dibromofluoromethane		% Rec.	96.40	78.3-121	WG710639	03/13/14 05:16
Toluene-d8		% Rec.	97.10	88.5-111	WG710639	03/13/14 05:16

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Est. 1970

S&ME Inc. - Kennesaw GA
Peter Fleury
3380 Town Point Drive Suite 140
Kennesaw, GA 30144

Quality Assurance Report
Level II

L686434

March 13, 2014

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
			Duplicate				
Total Solids	%	79.9	79.4	0.626	5	L686434-02	WG709595
Total Solids	%	70.6	70.4	0.280	5	L686434-03	WG709596

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
			Laboratory Control Sample			
1,1,1,2-Tetrachloroethane	mg/kg	.025	0.0252	101.	72.9-124	WG709862
1,1,1-Trichloroethane	mg/kg	.025	0.0258	103.	73.7-124	WG709862
1,1,2,2-Tetrachloroethane	mg/kg	.025	0.0269	108.	69.4-122	WG709862
1,1,2-Trichloroethane	mg/kg	.025	0.0262	105.	79.1-118	WG709862
1,1,2-Trichlorotrifluoroethane	mg/kg	.025	0.0264	106.	70-146	WG709862
1,1-Dichloroethane	mg/kg	.025	0.0260	104.	75-124	WG709862
1,1-Dichloroethene	mg/kg	.025	0.0266	107.	70.4-129	WG709862
1,1-Dichloropropene	mg/kg	.025	0.0258	103.	74.9-124	WG709862
1,2,3-Trichlorobenzene	mg/kg	.025	0.0275	110.	69.3-131	WG709862
1,2,3-Trichloropropane	mg/kg	.025	0.0263	105.	71.4-123	WG709862
1,2,3-Trimethylbenzene	mg/kg	.025	0.0216	86.6	73.6-113	WG709862
1,2,4-Trichlorobenzene	mg/kg	.025	0.0270	108.	71.9-137	WG709862
1,2,4-Trimethylbenzene	mg/kg	.025	0.0251	100.	75.5-122	WG709862
1,2-Dibromo-3-Chloropropane	mg/kg	.025	0.0285	114.	62.8-133	WG709862
1,2-Dibromoethane	mg/kg	.025	0.0271	109.	78.6-120	WG709862
1,2-Dichlorobenzene	mg/kg	.025	0.0259	103.	78.3-118	WG709862
1,2-Dichloroethane	mg/kg	.025	0.0254	102.	70.1-124	WG709862
1,2-Dichloropropane	mg/kg	.025	0.0247	98.9	77.9-119	WG709862
1,3,5-Trimethylbenzene	mg/kg	.025	0.0257	103.	75.9-124	WG709862
1,3-Dichlorobenzene	mg/kg	.025	0.0254	102.	72-126	WG709862
1,3-Dichloropropane	mg/kg	.025	0.0255	102.	79.1-117	WG709862
1,4-Dichlorobenzene	mg/kg	.025	0.0238	95.3	78.3-117	WG709862
2,2-Dichloropropane	mg/kg	.025	0.0249	99.6	61.3-136	WG709862
2-Butanone (MEK)	mg/kg	.125	0.147	117.	53.7-153	WG709862
2-Chloroethyl vinyl ether	mg/kg	.125	0.150	120.	37.7-157	WG709862
2-Chlorotoluene	mg/kg	.025	0.0251	100.	75.6-121	WG709862
4-Chlorotoluene	mg/kg	.025	0.0247	98.8	77.3-120	WG709862
4-Methyl-2-pentanone (MIBK)	mg/kg	.125	0.150	120.	70.4-137	WG709862
Acetone	mg/kg	.125	0.137	110.	35.1-175	WG709862
Acrylonitrile	mg/kg	.125	0.145	116.	56.4-128	WG709862
Benzene	mg/kg	.025	0.0251	100.	77.1-121	WG709862
Bromobenzene	mg/kg	.025	0.0243	97.4	78.2-115	WG709862
Bromodichloromethane	mg/kg	.025	0.0244	97.7	74.9-115	WG709862
Bromoform	mg/kg	.025	0.0241	96.2	65.9-132	WG709862
Bromomethane	mg/kg	.025	0.0257	103.	48.7-165	WG709862
Carbon tetrachloride	mg/kg	.025	0.0264	106.	70-124	WG709862
Chlorobenzene	mg/kg	.025	0.0251	100.	79.1-119	WG709862
Chlorodibromomethane	mg/kg	.025	0.0260	104.	73.5-121	WG709862
Chloroethane	mg/kg	.025	0.0239	95.6	66.2-132	WG709862
Chloroform	mg/kg	.025	0.0256	102.	76.7-122	WG709862
Chloromethane	mg/kg	.025	0.0246	98.4	63.4-131	WG709862
cis-1,3-Dichloropropene	mg/kg	.025	0.0259	103.	79.6-120	WG709862
Di-isopropyl ether	mg/kg	.025	0.0252	101.	70.4-133	WG709862
Dibromomethane	mg/kg	.025	0.0276	111.	79.4-120	WG709862
Dichlorodifluoromethane	mg/kg	.025	0.0249	99.4	57.1-137	WG709862
Ethylbenzene	mg/kg	.025	0.0256	102.	79.7-122	WG709862
Hexachloro-1,3-butadiene	mg/kg	.025	0.0240	96.0	68.2-123	WG709862
Isopropylbenzene	mg/kg	.025	0.0282	113.	80-135	WG709862
Methyl tert-butyl ether	mg/kg	.025	0.0258	103.	73-129	WG709862
Methylene Chloride	mg/kg	.025	0.0247	98.9	72.6-120	WG709862
n-Butylbenzene	mg/kg	.025	0.0256	103.	77.5-126	WG709862

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Quality Assurance Report
Level II

L686434

March 13, 2014

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
n-Propylbenzene	mg/kg	.025	0.0257	103.	77.9-123	WG709862
Naphthalene	mg/kg	.025	0.0278	111.	69.8-128	WG709862
p-Isopropyltoluene	mg/kg	.025	0.0262	105.	75.8-129	WG709862
sec-Butylbenzene	mg/kg	.025	0.0259	104.	75.8-126	WG709862
Styrene	mg/kg	.025	0.0267	107.	82.4-126	WG709862
tert-Butylbenzene	mg/kg	.025	0.0261	104.	76.4-126	WG709862
Toluene	mg/kg	.025	0.0253	101.	79.7-118	WG709862
trans-1,2-Dichloroethene	mg/kg	.025	0.0260	104.	73.8-122	WG709862
trans-1,3-Dichloropropene	mg/kg	.025	0.0249	99.5	75.9-124	WG709862
Trichlorofluoromethane	mg/kg	.025	0.0247	98.9	67.7-131	WG709862
Vinyl chloride	mg/kg	.025	0.0256	103.	66.7-130	WG709862
Xylenes, Total	mg/kg	.075	0.0760	101.	78.8-121	WG709862
4-Bromofluorobenzene				96.60	71-126	WG709862
Dibromofluoromethane				96.10	78.3-121	WG709862
Toluene-d8				96.50	88.5-111	WG709862
1,1,1,2-Tetrachloroethane	mg/kg	.025	0.0265	106.	72.9-124	WG709972
1,1,1-Trichloroethane	mg/kg	.025	0.0262	105.	73.7-124	WG709972
1,1,2,2-Tetrachloroethane	mg/kg	.025	0.0260	104.	69.4-122	WG709972
1,1,2-Trichloroethane	mg/kg	.025	0.0262	105.	79.1-118	WG709972
1,1,2-Trichlorotrifluoroethane	mg/kg	.025	0.0272	109.	70-146	WG709972
1,1-Dichloroethane	mg/kg	.025	0.0265	106.	75-124	WG709972
1,1-Dichloroethene	mg/kg	.025	0.0274	110.	70.4-129	WG709972
1,1-Dichloropropene	mg/kg	.025	0.0265	106.	74.9-124	WG709972
1,2,3-Trichlorobenzene	mg/kg	.025	0.0258	103.	69.3-131	WG709972
1,2,3-Trichloropropane	mg/kg	.025	0.0272	109.	71.4-123	WG709972
1,2,3-Trimethylbenzene	mg/kg	.025	0.0215	86.1	73.6-113	WG709972
1,2,4-Trichlorobenzene	mg/kg	.025	0.0268	107.	71.9-137	WG709972
1,2,4-Trimethylbenzene	mg/kg	.025	0.0251	101.	75.5-122	WG709972
1,2-Dibromo-3-Chloropropane	mg/kg	.025	0.0265	106.	62.8-133	WG709972
1,2-Dibromoethane	mg/kg	.025	0.0266	106.	78.6-120	WG709972
1,2-Dichlorobenzene	mg/kg	.025	0.0255	102.	78.3-118	WG709972
1,2-Dichloroethane	mg/kg	.025	0.0260	104.	70.1-124	WG709972
1,2-Dichloropropane	mg/kg	.025	0.0261	104.	77.9-119	WG709972
1,3,5-Trimethylbenzene	mg/kg	.025	0.0259	104.	75.9-124	WG709972
1,3-Dichlorobenzene	mg/kg	.025	0.0258	103.	72-126	WG709972
1,3-Dichloropropane	mg/kg	.025	0.0253	101.	79.1-117	WG709972
1,4-Dichlorobenzene	mg/kg	.025	0.0247	98.6	78.3-117	WG709972
2,2-Dichloropropane	mg/kg	.025	0.0253	101.	61.3-136	WG709972
2-Butanone (MEK)	mg/kg	.125	0.138	110.	53.7-153	WG709972
2-Chloroethyl vinyl ether	mg/kg	.125	0.141	113.	37.7-157	WG709972
2-Chlorotoluene	mg/kg	.025	0.0249	99.7	75.6-121	WG709972
4-Chlorotoluene	mg/kg	.025	0.0250	99.9	77.3-120	WG709972
4-Methyl-2-pentanone (MIBK)	mg/kg	.125	0.144	116.	70.4-137	WG709972
Acetone	mg/kg	.125	0.143	114.	35.1-175	WG709972
Acrylonitrile	mg/kg	.125	0.141	113.	56.4-128	WG709972
Benzene	mg/kg	.025	0.0249	99.7	77.1-121	WG709972
Bromobenzene	mg/kg	.025	0.0251	100.	78.2-115	WG709972
Bromodichloromethane	mg/kg	.025	0.0249	99.5	74.9-115	WG709972
Bromoform	mg/kg	.025	0.0271	109.	65.9-132	WG709972
Bromomethane	mg/kg	.025	0.0236	94.3	48.7-165	WG709972
Carbon tetrachloride	mg/kg	.025	0.0262	105.	70-124	WG709972
Chlorobenzene	mg/kg	.025	0.0259	103.	79.1-119	WG709972
Chlorodibromomethane	mg/kg	.025	0.0265	106.	73.5-121	WG709972
Chloroethane	mg/kg	.025	0.0292	117.	66.2-132	WG709972
Chloroform	mg/kg	.025	0.0258	103.	76.7-122	WG709972
Chloromethane	mg/kg	.025	0.0238	95.0	63.4-131	WG709972
cis-1,3-Dichloropropene	mg/kg	.025	0.0261	104.	79.6-120	WG709972

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Quality Assurance Report
Level II

L686434

March 13, 2014

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Di-isopropyl ether	mg/kg	.025	0.0256	102.	70.4-133	WG709972
Dibromomethane	mg/kg	.025	0.0268	107.	79.4-120	WG709972
Dichlorodifluoromethane	mg/kg	.025	0.0251	101.	57.1-137	WG709972
Ethylbenzene	mg/kg	.025	0.0262	105.	79.7-122	WG709972
Hexachloro-1,3-butadiene	mg/kg	.025	0.0248	99.3	68.2-123	WG709972
Isopropylbenzene	mg/kg	.025	0.0285	114.	80-135	WG709972
Methyl tert-butyl ether	mg/kg	.025	0.0257	103.	73-129	WG709972
Methylene Chloride	mg/kg	.025	0.0241	96.6	72.6-120	WG709972
n-Butylbenzene	mg/kg	.025	0.0258	103.	77.5-126	WG709972
n-Propylbenzene	mg/kg	.025	0.0261	104.	77.9-123	WG709972
Naphthalene	mg/kg	.025	0.0250	99.9	69.8-128	WG709972
p-Isopropyltoluene	mg/kg	.025	0.0268	107.	75.8-129	WG709972
sec-Butylbenzene	mg/kg	.025	0.0262	105.	75.8-126	WG709972
Styrene	mg/kg	.025	0.0267	107.	82.4-126	WG709972
tert-Butylbenzene	mg/kg	.025	0.0262	105.	76.4-126	WG709972
Toluene	mg/kg	.025	0.0255	102.	79.7-118	WG709972
trans-1,2-Dichloroethene	mg/kg	.025	0.0263	105.	73.8-122	WG709972
trans-1,3-Dichloropropene	mg/kg	.025	0.0274	109.	75.9-124	WG709972
Trichlorofluoromethane	mg/kg	.025	0.0324	129.	67.7-131	WG709972
Vinyl chloride	mg/kg	.025	0.0261	104.	66.7-130	WG709972
Xylenes, Total	mg/kg	.075	0.0771	103.	78.8-121	WG709972
4-Bromofluorobenzene				101.0	71-126	WG709972
Dibromofluoromethane				99.20	78.3-121	WG709972
Toluene-d8				103.0	88.5-111	WG709972
Total Solids	%	50	50.0	100.	85-115	WG709595
Total Solids	%	50	50.0	100.	85-115	WG709596
1,1,1,2-Tetrachloroethane	mg/kg	.025	0.0235	93.9	72.9-124	WG709863
1,1,1-Trichloroethane	mg/kg	.025	0.0222	88.8	73.7-124	WG709863
1,1,2,2-Tetrachloroethane	mg/kg	.025	0.0236	94.3	69.4-122	WG709863
1,1,2-Trichloroethane	mg/kg	.025	0.0234	93.6	79.1-118	WG709863
1,1,2-Trichlorotrifluoroethane	mg/kg	.025	0.0205	82.0	70-146	WG709863
1,1-Dichloroethane	mg/kg	.025	0.0241	96.5	75-124	WG709863
1,1-Dichloroethene	mg/kg	.025	0.0227	90.9	70.4-129	WG709863
1,1-Dichloropropene	mg/kg	.025	0.0243	97.0	74.9-124	WG709863
1,2,3-Trichlorobenzene	mg/kg	.025	0.0253	101.	69.3-131	WG709863
1,2,3-Trichloropropane	mg/kg	.025	0.0234	93.7	71.4-123	WG709863
1,2,3-Trimethylbenzene	mg/kg	.025	0.0203	81.1	73.6-113	WG709863
1,2,4-Trichlorobenzene	mg/kg	.025	0.0269	107.	71.9-137	WG709863
1,2,4-Trimethylbenzene	mg/kg	.025	0.0229	91.6	75.5-122	WG709863
1,2-Dibromo-3-Chloropropane	mg/kg	.025	0.0250	100.	62.8-133	WG709863
1,2-Dibromoethane	mg/kg	.025	0.0235	94.1	78.6-120	WG709863
1,2-Dichlorobenzene	mg/kg	.025	0.0234	93.5	78.3-118	WG709863
1,2-Dichloroethane	mg/kg	.025	0.0212	84.6	70.1-124	WG709863
1,2-Dichloropropane	mg/kg	.025	0.0235	94.2	77.9-119	WG709863
1,3,5-Trimethylbenzene	mg/kg	.025	0.0231	92.6	75.9-124	WG709863
1,3-Dichlorobenzene	mg/kg	.025	0.0233	93.3	72-126	WG709863
1,3-Dichloropropane	mg/kg	.025	0.0223	89.3	79.1-117	WG709863
1,4-Dichlorobenzene	mg/kg	.025	0.0225	89.9	78.3-117	WG709863
2,2-Dichloropropane	mg/kg	.025	0.0210	84.2	61.3-136	WG709863
2-Butanone (MEK)	mg/kg	.125	0.145	116.	53.7-153	WG709863
2-Chloroethyl vinyl ether	mg/kg	.125	0.123	98.3	37.7-157	WG709863
2-Chlorotoluene	mg/kg	.025	0.0225	90.1	75.6-121	WG709863
4-Chlorotoluene	mg/kg	.025	0.0220	88.0	77.3-120	WG709863

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Quality Assurance Report
Level II

L686434

March 13, 2014

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
4-Methyl-2-pentanone (MIBK)	mg/kg	.125	0.134	107.	70.4-137	WG709863
Acetone	mg/kg	.125	0.0702	56.2	35.1-175	WG709863
Acrylonitrile	mg/kg	.125	0.127	102.	56.4-128	WG709863
Benzene	mg/kg	.025	0.0240	96.1	77.1-121	WG709863
Bromobenzene	mg/kg	.025	0.0219	87.7	78.2-115	WG709863
Bromodichloromethane	mg/kg	.025	0.0229	91.8	74.9-115	WG709863
Bromoform	mg/kg	.025	0.0244	97.8	65.9-132	WG709863
Bromomethane	mg/kg	.025	0.0206	82.2	48.7-165	WG709863
Carbon tetrachloride	mg/kg	.025	0.0229	91.5	70-124	WG709863
Chlorobenzene	mg/kg	.025	0.0226	90.5	79.1-119	WG709863
Chlorodibromomethane	mg/kg	.025	0.0223	89.3	73.5-121	WG709863
Chloroethane	mg/kg	.025	0.0200	79.9	66.2-132	WG709863
Chloroform	mg/kg	.025	0.0227	90.6	76.7-122	WG709863
Chloromethane	mg/kg	.025	0.0219	87.6	63.4-131	WG709863
cis-1,3-Dichloropropene	mg/kg	.025	0.0241	96.3	79.6-120	WG709863
Di-isopropyl ether	mg/kg	.025	0.0224	89.8	70.4-133	WG709863
Dibromomethane	mg/kg	.025	0.0242	96.8	79.4-120	WG709863
Dichlorodifluoromethane	mg/kg	.025	0.0199	79.6	57.1-137	WG709863
Ethylbenzene	mg/kg	.025	0.0238	95.4	79.7-122	WG709863
Hexachloro-1,3-butadiene	mg/kg	.025	0.0231	92.3	68.2-123	WG709863
Isopropylbenzene	mg/kg	.025	0.0253	101.	80-135	WG709863
Methyl tert-butyl ether	mg/kg	.025	0.0223	89.1	73-129	WG709863
Methylene Chloride	mg/kg	.025	0.0211	84.5	72.6-120	WG709863
n-Butylbenzene	mg/kg	.025	0.0246	98.2	77.5-126	WG709863
n-Propylbenzene	mg/kg	.025	0.0234	93.4	77.9-123	WG709863
Naphthalene	mg/kg	.025	0.0240	96.0	69.8-128	WG709863
p-Isopropyltoluene	mg/kg	.025	0.0244	97.8	75.8-129	WG709863
sec-Butylbenzene	mg/kg	.025	0.0237	94.9	75.8-126	WG709863
Styrene	mg/kg	.025	0.0245	97.9	82.4-126	WG709863
tert-Butylbenzene	mg/kg	.025	0.0239	95.6	76.4-126	WG709863
Toluene	mg/kg	.025	0.0230	91.9	79.7-118	WG709863
trans-1,2-Dichloroethene	mg/kg	.025	0.0230	92.2	73.8-122	WG709863
trans-1,3-Dichloropropene	mg/kg	.025	0.0240	96.1	75.9-124	WG709863
Trichlorofluoromethane	mg/kg	.025	0.0201	80.5	67.7-131	WG709863
Vinyl chloride	mg/kg	.025	0.0214	85.6	66.7-130	WG709863
Xylenes, Total	mg/kg	.075	0.0701	93.4	78.8-121	WG709863
4-Bromofluorobenzene				94.50	71-126	WG709863
Dibromofluoromethane				100.0	78.3-121	WG709863
Toluene-d8				102.0	88.5-111	WG709863
1,1,1,2-Tetrachloroethane	mg/kg	.025	0.0244	97.5	72.9-124	WG710075
1,1,1-Trichloroethane	mg/kg	.025	0.0242	96.8	73.7-124	WG710075
1,1,2,2-Tetrachloroethane	mg/kg	.025	0.0231	92.3	69.4-122	WG710075
1,1,2-Trichloroethane	mg/kg	.025	0.0246	98.5	79.1-118	WG710075
1,1,2-Trichlorotrifluoroethane	mg/kg	.025	0.0254	101.	70-146	WG710075
1,1-Dichloroethane	mg/kg	.025	0.0239	95.8	75-124	WG710075
1,1-Dichloroethene	mg/kg	.025	0.0256	103.	70.4-129	WG710075
1,1-Dichloropropene	mg/kg	.025	0.0248	99.1	74.9-124	WG710075
1,2,3-Trichlorobenzene	mg/kg	.025	0.0229	91.6	69.3-131	WG710075
1,2,3-Trichloropropane	mg/kg	.025	0.0249	99.7	71.4-123	WG710075
1,2,3-Trimethylbenzene	mg/kg	.025	0.0203	81.2	73.6-113	WG710075
1,2,4-Trichlorobenzene	mg/kg	.025	0.0243	97.0	71.9-137	WG710075
1,2,4-Trimethylbenzene	mg/kg	.025	0.0217	87.0	75.5-122	WG710075
1,2-Dibromo-3-Chloropropane	mg/kg	.025	0.0240	96.2	62.8-133	WG710075
1,2-Dibromoethane	mg/kg	.025	0.0250	100.	78.6-120	WG710075
1,2-Dichlorobenzene	mg/kg	.025	0.0240	95.9	78.3-118	WG710075
1,2-Dichloroethane	mg/kg	.025	0.0268	107.	70.1-124	WG710075
1,2-Dichloropropane	mg/kg	.025	0.0231	92.4	77.9-119	WG710075

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Est. 1970

S&ME Inc. - Kennesaw GA
Peter Fleury
3380 Town Point Drive Suite 140
Kennesaw, GA 30144

Quality Assurance Report
Level II

L686434

March 13, 2014

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
1,3,5-Trimethylbenzene	mg/kg	.025	0.0221	88.5	75.9-124	WG710075
1,3-Dichlorobenzene	mg/kg	.025	0.0231	92.5	72-126	WG710075
1,3-Dichloropropane	mg/kg	.025	0.0238	95.3	79.1-117	WG710075
1,4-Dichlorobenzene	mg/kg	.025	0.0240	96.0	78.3-117	WG710075
2,2-Dichloropropane	mg/kg	.025	0.0216	86.5	61.3-136	WG710075
2-Butanone (MEK)	mg/kg	.125	0.122	97.4	53.7-153	WG710075
2-Chloroethyl vinyl ether	mg/kg	.125	0.135	108.	37.7-157	WG710075
2-Chlorotoluene	mg/kg	.025	0.0227	90.7	75.6-121	WG710075
4-Chlorotoluene	mg/kg	.025	0.0234	93.5	77.3-120	WG710075
4-Methyl-2-pentanone (MIBK)	mg/kg	.125	0.123	98.3	70.4-137	WG710075
Acetone	mg/kg	.125	0.101	80.8	35.1-175	WG710075
Acrylonitrile	mg/kg	.125	0.120	96.3	56.4-128	WG710075
Benzene	mg/kg	.025	0.0243	97.1	77.1-121	WG710075
Bromobenzene	mg/kg	.025	0.0224	89.5	78.2-115	WG710075
Bromodichloromethane	mg/kg	.025	0.0229	91.7	74.9-115	WG710075
Bromoform	mg/kg	.025	0.0240	96.2	65.9-132	WG710075
Bromomethane	mg/kg	.025	0.0228	91.1	48.7-165	WG710075
Carbon tetrachloride	mg/kg	.025	0.0241	96.3	70-124	WG710075
Chlorobenzene	mg/kg	.025	0.0242	96.6	79.1-119	WG710075
Chlorodibromomethane	mg/kg	.025	0.0248	99.3	73.5-121	WG710075
Chloroethane	mg/kg	.025	0.0256	102.	66.2-132	WG710075
Chloroform	mg/kg	.025	0.0243	97.3	76.7-122	WG710075
Chloromethane	mg/kg	.025	0.0222	88.9	63.4-131	WG710075
cis-1,2-Dichloroethene	mg/kg	.025	0.0248	99.2	78.2-119	WG710075
cis-1,3-Dichloropropene	mg/kg	.025	0.0240	95.9	79.6-120	WG710075
Di-isopropyl ether	mg/kg	.025	0.0225	90.0	70.4-133	WG710075
Dibromomethane	mg/kg	.025	0.0256	103.	79.4-120	WG710075
Dichlorodifluoromethane	mg/kg	.025	0.0260	104.	57.1-137	WG710075
Ethylbenzene	mg/kg	.025	0.0230	92.0	79.7-122	WG710075
Hexachloro-1,3-butadiene	mg/kg	.025	0.0200	79.9	68.2-123	WG710075
Isopropylbenzene	mg/kg	.025	0.0254	101.	80-135	WG710075
Methyl tert-butyl ether	mg/kg	.025	0.0234	93.7	73-129	WG710075
Methylene Chloride	mg/kg	.025	0.0235	94.1	72.6-120	WG710075
n-Butylbenzene	mg/kg	.025	0.0231	92.5	77.5-126	WG710075
n-Propylbenzene	mg/kg	.025	0.0233	93.2	77.9-123	WG710075
Naphthalene	mg/kg	.025	0.0241	96.3	69.8-128	WG710075
p-Isopropyltoluene	mg/kg	.025	0.0230	92.1	75.8-129	WG710075
sec-Butylbenzene	mg/kg	.025	0.0226	90.4	75.8-126	WG710075
Styrene	mg/kg	.025	0.0243	97.4	82.4-126	WG710075
tert-Butylbenzene	mg/kg	.025	0.0233	93.1	76.4-126	WG710075
Tetrachloroethene	mg/kg	.025	0.0245	97.8	73.9-125	WG710075
Toluene	mg/kg	.025	0.0224	89.5	79.7-118	WG710075
trans-1,2-Dichloroethene	mg/kg	.025	0.0238	95.0	73.8-122	WG710075
trans-1,3-Dichloropropene	mg/kg	.025	0.0243	97.3	75.9-124	WG710075
Trichloroethene	mg/kg	.025	0.0242	96.7	77.9-118	WG710075
Trichlorofluoromethane	mg/kg	.025	0.0269	107.	67.7-131	WG710075
Vinyl chloride	mg/kg	.025	0.0243	97.1	66.7-130	WG710075
Xylenes, Total	mg/kg	.075	0.0681	90.8	78.8-121	WG710075
4-Bromofluorobenzene				98.20	71-126	WG710075
Dibromofluoromethane				103.0	78.3-121	WG710075
Toluene-d8				94.70	88.5-111	WG710075
cis-1,2-Dichloroethene	mg/kg	.025	0.0239	95.7	78.2-119	WG710116
Tetrachloroethene	mg/kg	.025	0.0227	90.6	73.9-125	WG710116
Trichloroethene	mg/kg	.025	0.0233	93.1	77.9-118	WG710116
4-Bromofluorobenzene				94.80	71-126	WG710116
Dibromofluoromethane				98.80	78.3-121	WG710116
Toluene-d8				96.60	88.5-111	WG710116

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S&ME Inc. - Kennesaw GA
Peter Fleury
3380 Town Point Drive Suite 140
Kennesaw, GA 30144

Quality Assurance Report
Level II

L686434

March 13, 2014

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
cis-1,2-Dichloroethene	mg/kg	.025	0.0244	97.5	78.2-119	WG710639
Tetrachloroethene	mg/kg	.025	0.0232	92.6	73.9-125	WG710639
Trichloroethene	mg/kg	.025	0.0238	95.3	77.9-118	WG710639
4-Bromofluorobenzene				94.50	71-126	WG710639
Dibromofluoromethane				94.60	78.3-121	WG710639
Toluene-d8				98.60	88.5-111	WG710639

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
1,1,1,2-Tetrachloroethane	mg/kg	0.0247	0.0252	99.0	72.9-124	1.91	20	WG709862
1,1,1-Trichloroethane	mg/kg	0.0251	0.0258	100.	73.7-124	2.66	20	WG709862
1,1,2,2-Tetrachloroethane	mg/kg	0.0264	0.0269	106.	69.4-122	2.08	20	WG709862
1,1,2-Trichloroethane	mg/kg	0.0258	0.0262	103.	79.1-118	1.66	20	WG709862
1,1,2-Trichlorotrifluoroethane	mg/kg	0.0255	0.0264	102.	70-146	3.78	20	WG709862
1,1-Dichloroethane	mg/kg	0.0254	0.0260	102.	75-124	2.24	20	WG709862
1,1-Dichloroethene	mg/kg	0.0260	0.0266	104.	70.4-129	2.48	20	WG709862
1,1-Dichloropropene	mg/kg	0.0250	0.0258	100.	74.9-124	3.04	20	WG709862
1,2,3-Trichlorobenzene	mg/kg	0.0259	0.0275	104.	69.3-131	5.90	20	WG709862
1,2,3-Trichloropropane	mg/kg	0.0257	0.0263	103.	71.4-123	2.23	20	WG709862
1,2,3-Trimethylbenzene	mg/kg	0.0209	0.0216	84.0	73.6-113	3.32	20	WG709862
1,2,4-Trichlorobenzene	mg/kg	0.0258	0.0270	103.	71.9-137	4.53	20	WG709862
1,2,4-Trimethylbenzene	mg/kg	0.0239	0.0251	96.0	75.5-122	4.74	20	WG709862
1,2-Dibromo-3-Chloropropane	mg/kg	0.0296	0.0285	118.	62.8-133	3.82	20	WG709862
1,2-Dibromoethane	mg/kg	0.0274	0.0271	109.	78.6-120	0.820	20	WG709862
1,2-Dichlorobenzene	mg/kg	0.0248	0.0259	99.0	78.3-118	4.35	20	WG709862
1,2-Dichloroethane	mg/kg	0.0252	0.0254	101.	70.1-124	0.610	20	WG709862
1,2-Dichloropropane	mg/kg	0.0244	0.0247	98.0	77.9-119	1.32	20	WG709862
1,3,5-Trimethylbenzene	mg/kg	0.0242	0.0257	97.0	75.9-124	5.88	20	WG709862
1,3-Dichlorobenzene	mg/kg	0.0244	0.0254	98.0	72-126	3.91	20	WG709862
1,3-Dichloropropane	mg/kg	0.0246	0.0255	98.0	79.1-117	3.56	20	WG709862
1,4-Dichlorobenzene	mg/kg	0.0231	0.0238	92.0	78.3-117	2.97	20	WG709862
2,2-Dichloropropane	mg/kg	0.0241	0.0249	96.0	61.3-136	3.40	20	WG709862
2-Butanone (MEK)	mg/kg	0.150	0.147	120.	53.7-153	1.93	21.2	WG709862
2-Chloroethyl vinyl ether	mg/kg	0.149	0.150	119.	37.7-157	0.520	20	WG709862
2-Chlorotoluene	mg/kg	0.0240	0.0251	96.0	75.6-121	4.70	20	WG709862
4-Chlorotoluene	mg/kg	0.0235	0.0247	94.0	77.3-120	4.95	20	WG709862
4-Methyl-2-pentanone (MIBK)	mg/kg	0.155	0.150	124.	70.4-137	3.33	20	WG709862
Acetone	mg/kg	0.143	0.137	114.	35.1-175	3.91	26.1	WG709862
Acrylonitrile	mg/kg	0.150	0.145	120.	56.4-128	3.49	20	WG709862
Benzene	mg/kg	0.0245	0.0251	98.0	77.1-121	2.08	20	WG709862
Bromobenzene	mg/kg	0.0231	0.0243	92.0	78.2-115	5.33	20	WG709862
Bromodichloromethane	mg/kg	0.0243	0.0244	97.0	74.9-115	0.640	20	WG709862
Bromoform	mg/kg	0.0238	0.0241	95.0	65.9-132	1.16	20	WG709862
Bromomethane	mg/kg	0.0243	0.0257	97.0	48.7-165	5.37	20	WG709862
Carbon tetrachloride	mg/kg	0.0257	0.0264	103.	70-124	2.69	20	WG709862
Chlorobenzene	mg/kg	0.0240	0.0251	96.0	79.1-119	4.51	20	WG709862
Chlorodibromomethane	mg/kg	0.0255	0.0260	102.	73.5-121	1.76	20	WG709862
Chloroethane	mg/kg	0.0233	0.0239	93.0	66.2-132	2.66	20	WG709862
Chloroform	mg/kg	0.0250	0.0256	100.	76.7-122	2.24	20	WG709862
Chloromethane	mg/kg	0.0239	0.0246	95.0	63.4-131	3.11	20	WG709862
cis-1,3-Dichloropropene	mg/kg	0.0256	0.0259	102.	79.6-120	1.18	20	WG709862
Di-isopropyl ether	mg/kg	0.0247	0.0252	99.0	70.4-133	2.11	20	WG709862
Dibromomethane	mg/kg	0.0278	0.0276	111.	79.4-120	0.480	20	WG709862
Dichlorodifluoromethane	mg/kg	0.0236	0.0249	94.0	57.1-137	5.15	20	WG709862
Ethylbenzene	mg/kg	0.0243	0.0256	97.0	79.7-122	4.96	20	WG709862
Hexachloro-1,3-butadiene	mg/kg	0.0230	0.0240	92.0	68.2-123	4.06	20	WG709862
Isopropylbenzene	mg/kg	0.0267	0.0282	107.	80-135	5.49	20	WG709862
Methyl tert-butyl ether	mg/kg	0.0255	0.0258	102.	73-129	1.18	20	WG709862

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Quality Assurance Report
Level II

L686434

March 13, 2014

Analyte	Units	Laboratory Control Sample Result	Ref	%Rec	Limit	Duplicate RPD	Limit	Batch
Methylene Chloride	mg/kg	0.0242	0.0247	97.0	72.6-120	2.05	20	WG709862
n-Butylbenzene	mg/kg	0.0245	0.0256	98.0	77.5-126	4.59	20	WG709862
n-Propylbenzene	mg/kg	0.0241	0.0257	96.0	77.9-123	6.10	20	WG709862
Naphthalene	mg/kg	0.0277	0.0278	111.	69.8-128	0.370	20	WG709862
p-Isopropyltoluene	mg/kg	0.0248	0.0262	99.0	75.8-129	5.79	20	WG709862
sec-Butylbenzene	mg/kg	0.0245	0.0259	98.0	75.8-126	5.42	20	WG709862
Styrene	mg/kg	0.0260	0.0267	104.	82.4-126	2.74	20	WG709862
tert-Butylbenzene	mg/kg	0.0243	0.0261	97.0	76.4-126	7.00	20	WG709862
Toluene	mg/kg	0.0247	0.0253	99.0	79.7-118	2.50	20	WG709862
trans-1,2-Dichloroethene	mg/kg	0.0253	0.0260	101.	73.8-122	2.84	20	WG709862
trans-1,3-Dichloropropene	mg/kg	0.0253	0.0249	101.	75.9-124	1.61	20	WG709862
Trichlorofluoromethane	mg/kg	0.0240	0.0247	96.0	67.7-131	3.13	20	WG709862
Vinyl chloride	mg/kg	0.0248	0.0256	99.0	66.7-130	3.42	20	WG709862
Xylenes, Total	mg/kg	0.0718	0.0760	96.0	78.8-121	5.63	20	WG709862
4-Bromofluorobenzene				95.70	71-126			WG709862
Dibromofluoromethane				98.00	78.3-121			WG709862
Toluene-d8				96.80	88.5-111			WG709862
1,1,1,2-Tetrachloroethane	mg/kg	0.0264	0.0265	106.	72.9-124	0.190	20	WG709972
1,1,1-Trichloroethane	mg/kg	0.0254	0.0262	102.	73.7-124	2.99	20	WG709972
1,1,2,2-Tetrachloroethane	mg/kg	0.0255	0.0260	102.	69.4-122	2.29	20	WG709972
1,1,2-Trichloroethane	mg/kg	0.0255	0.0262	102.	79.1-118	2.68	20	WG709972
1,1,2-Trichlorotrifluoroethane	mg/kg	0.0260	0.0272	104.	70-146	4.51	20	WG709972
1,1-Dichloroethane	mg/kg	0.0257	0.0265	103.	75-124	2.95	20	WG709972
1,1-Dichloroethene	mg/kg	0.0264	0.0274	106.	70.4-129	3.57	20	WG709972
1,1-Dichloropropene	mg/kg	0.0253	0.0265	101.	74.9-124	4.61	20	WG709972
1,2,3-Trichlorobenzene	mg/kg	0.0254	0.0258	102.	69.3-131	1.25	20	WG709972
1,2,3-Trichloropropane	mg/kg	0.0265	0.0272	106.	71.4-123	2.67	20	WG709972
1,2,3-Trimethylbenzene	mg/kg	0.0213	0.0215	85.0	73.6-113	1.14	20	WG709972
1,2,4-Trichlorobenzene	mg/kg	0.0263	0.0268	105.	71.9-137	1.80	20	WG709972
1,2,4-Trimethylbenzene	mg/kg	0.0247	0.0251	99.0	75.5-122	1.89	20	WG709972
1,2-Dibromo-3-Chloropropane	mg/kg	0.0258	0.0265	103.	62.8-133	3.02	20	WG709972
1,2-Dibromoethane	mg/kg	0.0259	0.0266	104.	78.6-120	2.46	20	WG709972
1,2-Dichlorobenzene	mg/kg	0.0253	0.0255	101.	78.3-118	0.740	20	WG709972
1,2-Dichloroethane	mg/kg	0.0255	0.0260	102.	70.1-124	2.17	20	WG709972
1,2-Dichloropropane	mg/kg	0.0255	0.0261	102.	77.9-119	2.22	20	WG709972
1,3,5-Trimethylbenzene	mg/kg	0.0258	0.0259	103.	75.9-124	0.490	20	WG709972
1,3-Dichlorobenzene	mg/kg	0.0252	0.0258	101.	72-126	2.44	20	WG709972
1,3-Dichloropropane	mg/kg	0.0250	0.0253	100.	79.1-117	1.30	20	WG709972
1,4-Dichlorobenzene	mg/kg	0.0246	0.0247	98.0	78.3-117	0.190	20	WG709972
2,2-Dichloropropane	mg/kg	0.0244	0.0253	98.0	61.3-136	3.63	20	WG709972
2-Butanone (MEK)	mg/kg	0.128	0.138	103.	53.7-153	7.18	21.2	WG709972
2-Chloroethyl vinyl ether	mg/kg	0.132	0.141	106.	37.7-157	5.99	20	WG709972
2-Chlorotoluene	mg/kg	0.0248	0.0249	99.0	75.6-121	0.470	20	WG709972
4-Chlorotoluene	mg/kg	0.0246	0.0250	98.0	77.3-120	1.39	20	WG709972
4-Methyl-2-pentanone (MIBK)	mg/kg	0.139	0.144	111.	70.4-137	3.56	20	WG709972
Acetone	mg/kg	0.127	0.143	102.	35.1-175	11.6	26.1	WG709972
Acrylonitrile	mg/kg	0.133	0.141	107.	56.4-128	5.91	20	WG709972
Benzene	mg/kg	0.0242	0.0249	97.0	77.1-121	3.03	20	WG709972
Bromobenzene	mg/kg	0.0248	0.0251	99.0	78.2-115	0.880	20	WG709972
Bromodichloromethane	mg/kg	0.0244	0.0249	98.0	74.9-115	1.87	20	WG709972
Bromoform	mg/kg	0.0272	0.0271	109.	65.9-132	0.100	20	WG709972
Bromomethane	mg/kg	0.0245	0.0236	98.0	48.7-165	4.07	20	WG709972
Carbon tetrachloride	mg/kg	0.0256	0.0262	102.	70-124	2.56	20	WG709972
Chlorobenzene	mg/kg	0.0256	0.0259	102.	79.1-119	1.07	20	WG709972
Chlorodibromomethane	mg/kg	0.0258	0.0265	103.	73.5-121	2.53	20	WG709972
Chloroethane	mg/kg	0.0258	0.0292	103.	66.2-132	12.4	20	WG709972
Chloroform	mg/kg	0.0256	0.0258	102.	76.7-122	0.590	20	WG709972

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Est. 1970

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3380 Town Point Drive Suite 140
Kennesaw, GA 30144

Quality Assurance Report
Level II

L686434

March 13, 2014

		Laboratory Control Sample Duplicate						
Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
Chloromethane	mg/kg	0.0227	0.0238	91.0	63.4-131	4.73	20	WG709972
cis-1,3-Dichloropropene	mg/kg	0.0257	0.0261	103.	79.6-120	1.32	20	WG709972
Di-isopropyl ether	mg/kg	0.0245	0.0256	98.0	70.4-133	4.10	20	WG709972
Dibromomethane	mg/kg	0.0265	0.0268	106.	79.4-120	1.27	20	WG709972
Dichlorodifluoromethane	mg/kg	0.0241	0.0251	96.0	57.1-137	4.14	20	WG709972
Ethylbenzene	mg/kg	0.0259	0.0262	104.	79.7-122	1.21	20	WG709972
Hexachloro-1,3-butadiene	mg/kg	0.0243	0.0248	97.0	68.2-123	2.29	20	WG709972
Isopropylbenzene	mg/kg	0.0283	0.0285	113.	80-135	0.790	20	WG709972
Methyl tert-butyl ether	mg/kg	0.0247	0.0257	99.0	73-129	3.93	20	WG709972
Methylene Chloride	mg/kg	0.0239	0.0241	95.0	72.6-120	1.15	20	WG709972
n-Butylbenzene	mg/kg	0.0251	0.0258	100.	77.5-126	2.80	20	WG709972
n-Propylbenzene	mg/kg	0.0256	0.0261	102.	77.9-123	1.96	20	WG709972
Naphthalene	mg/kg	0.0245	0.0250	98.0	69.8-128	1.79	20	WG709972
p-Isopropyltoluene	mg/kg	0.0264	0.0268	106.	75.8-129	1.38	20	WG709972
sec-Butylbenzene	mg/kg	0.0258	0.0262	103.	75.8-126	1.74	20	WG709972
Styrene	mg/kg	0.0269	0.0267	108.	82.4-126	0.710	20	WG709972
tert-Butylbenzene	mg/kg	0.0253	0.0262	101.	76.4-126	3.47	20	WG709972
Toluene	mg/kg	0.0248	0.0255	99.0	79.7-118	3.02	20	WG709972
trans-1,2-Dichloroethene	mg/kg	0.0252	0.0263	101.	73.8-122	4.51	20	WG709972
trans-1,3-Dichloropropene	mg/kg	0.0261	0.0274	104.	75.9-124	4.68	20	WG709972
Trichlorofluoromethane	mg/kg	0.0307	0.0324	123.	67.7-131	5.33	20	WG709972
Vinyl chloride	mg/kg	0.0252	0.0261	101.	66.7-130	3.35	20	WG709972
Xylenes, Total	mg/kg	0.0758	0.0771	101.	78.8-121	1.67	20	WG709972
4-Bromofluorobenzene				102.0	71-126			WG709972
Dibromofluoromethane				97.70	78.3-121			WG709972
Toluene-d8				103.0	88.5-111			WG709972
1,1,1,2-Tetrachloroethane	mg/kg	0.0225	0.0235	90.0	72.9-124	4.08	20	WG709863
1,1,1-Trichloroethane	mg/kg	0.0218	0.0222	87.0	73.7-124	1.99	20	WG709863
1,1,2,2-Tetrachloroethane	mg/kg	0.0233	0.0236	93.0	69.4-122	1.09	20	WG709863
1,1,2-Trichloroethane	mg/kg	0.0228	0.0234	91.0	79.1-118	2.75	20	WG709863
1,1,2-Trichlorotrifluoroethane	mg/kg	0.0199	0.0205	79.0	70-146	3.14	20	WG709863
1,1-Dichloroethane	mg/kg	0.0232	0.0241	93.0	75-124	3.82	20	WG709863
1,1-Dichloroethene	mg/kg	0.0222	0.0227	89.0	70.4-129	2.21	20	WG709863
1,1-Dichloropropene	mg/kg	0.0234	0.0243	94.0	74.9-124	3.51	20	WG709863
1,2,3-Trichlorobenzene	mg/kg	0.0238	0.0253	95.0	69.3-131	6.35	20	WG709863
1,2,3-Trichloropropane	mg/kg	0.0225	0.0234	90.0	71.4-123	4.11	20	WG709863
1,2,3-Trimethylbenzene	mg/kg	0.0193	0.0203	77.0	73.6-113	5.04	20	WG709863
1,2,4-Trichlorobenzene	mg/kg	0.0251	0.0269	100.	71.9-137	6.85	20	WG709863
1,2,4-Trimethylbenzene	mg/kg	0.0230	0.0229	92.0	75.5-122	0.270	20	WG709863
1,2-Dibromo-3-Chloropropane	mg/kg	0.0210	0.0250	84.0	62.8-133	17.3	20	WG709863
1,2-Dibromoethane	mg/kg	0.0231	0.0235	92.0	78.6-120	1.86	20	WG709863
1,2-Dichlorobenzene	mg/kg	0.0222	0.0234	89.0	78.3-118	5.03	20	WG709863
1,2-Dichloroethane	mg/kg	0.0201	0.0212	80.0	70.1-124	5.16	20	WG709863
1,2-Dichloropropane	mg/kg	0.0237	0.0235	95.0	77.9-119	0.560	20	WG709863
1,3,5-Trimethylbenzene	mg/kg	0.0235	0.0231	94.0	75.9-124	1.33	20	WG709863
1,3-Dichlorobenzene	mg/kg	0.0235	0.0233	94.0	72-126	0.710	20	WG709863
1,3-Dichloropropane	mg/kg	0.0228	0.0223	91.0	79.1-117	2.22	20	WG709863
1,4-Dichlorobenzene	mg/kg	0.0219	0.0225	87.0	78.3-117	2.76	20	WG709863
2,2-Dichloropropane	mg/kg	0.0204	0.0210	81.0	61.3-136	3.32	20	WG709863
2-Butanone (MEK)	mg/kg	0.116	0.145	93.0	53.7-153	21.7*	21.2	WG709863
2-Chloroethyl vinyl ether	mg/kg	0.126	0.123	101.	37.7-157	2.79	20	WG709863
2-Chlorotoluene	mg/kg	0.0228	0.0225	91.0	75.6-121	1.31	20	WG709863
4-Chlorotoluene	mg/kg	0.0228	0.0220	91.0	77.3-120	3.77	20	WG709863
4-Methyl-2-pentanone (MIBK)	mg/kg	0.127	0.134	101.	70.4-137	5.64	20	WG709863
Acetone	mg/kg	0.0614	0.0702	49.0	35.1-175	13.4	26.1	WG709863
Acrylonitrile	mg/kg	0.119	0.127	95.0	56.4-128	6.83	20	WG709863
Benzene	mg/kg	0.0236	0.0240	94.0	77.1-121	1.95	20	WG709863

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Quality Assurance Report
Level II

L686434

March 13, 2014

		Laboratory Control Sample Duplicate						
Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
Bromobenzene	mg/kg	0.0222	0.0219	89.0	78.2-115	1.03	20	WG709863
Bromodichloromethane	mg/kg	0.0224	0.0229	90.0	74.9-115	2.19	20	WG709863
Bromoform	mg/kg	0.0236	0.0244	94.0	65.9-132	3.56	20	WG709863
Bromomethane	mg/kg	0.0199	0.0206	79.0	48.7-165	3.49	20	WG709863
Carbon tetrachloride	mg/kg	0.0222	0.0229	89.0	70-124	3.03	20	WG709863
Chlorobenzene	mg/kg	0.0225	0.0226	90.0	79.1-119	0.700	20	WG709863
Chlorodibromomethane	mg/kg	0.0223	0.0223	89.0	73.5-121	0.140	20	WG709863
Chloroethane	mg/kg	0.0192	0.0200	77.0	66.2-132	3.75	20	WG709863
Chloroform	mg/kg	0.0224	0.0227	89.0	76.7-122	1.34	20	WG709863
Chloromethane	mg/kg	0.0214	0.0219	86.0	63.4-131	2.39	20	WG709863
cis-1,3-Dichloropropene	mg/kg	0.0243	0.0241	97.0	79.6-120	0.920	20	WG709863
Di-isopropyl ether	mg/kg	0.0216	0.0224	86.0	70.4-133	3.61	20	WG709863
Dibromomethane	mg/kg	0.0239	0.0242	96.0	79.4-120	1.11	20	WG709863
Dichlorodifluoromethane	mg/kg	0.0201	0.0199	80.0	57.1-137	0.900	20	WG709863
Ethylbenzene	mg/kg	0.0238	0.0238	95.0	79.7-122	0.170	20	WG709863
Hexachloro-1,3-butadiene	mg/kg	0.0238	0.0231	95.0	68.2-123	2.86	20	WG709863
Isopropylbenzene	mg/kg	0.0255	0.0253	102.	80-135	0.620	20	WG709863
Methyl tert-butyl ether	mg/kg	0.0207	0.0223	83.0	73-129	7.44	20	WG709863
Methylene Chloride	mg/kg	0.0210	0.0211	84.0	72.6-120	0.760	20	WG709863
n-Butylbenzene	mg/kg	0.0244	0.0246	98.0	77.5-126	0.570	20	WG709863
n-Propylbenzene	mg/kg	0.0236	0.0234	94.0	77.9-123	1.12	20	WG709863
Naphthalene	mg/kg	0.0223	0.0240	89.0	69.8-128	7.11	20	WG709863
p-Isopropyltoluene	mg/kg	0.0247	0.0244	99.0	75.8-129	1.20	20	WG709863
sec-Butylbenzene	mg/kg	0.0243	0.0237	97.0	75.8-126	2.42	20	WG709863
Styrene	mg/kg	0.0249	0.0245	100.	82.4-126	1.81	20	WG709863
tert-Butylbenzene	mg/kg	0.0238	0.0239	95.0	76.4-126	0.570	20	WG709863
Toluene	mg/kg	0.0234	0.0230	94.0	79.7-118	2.06	20	WG709863
trans-1,2-Dichloroethene	mg/kg	0.0221	0.0230	88.0	73.8-122	4.20	20	WG709863
trans-1,3-Dichloropropene	mg/kg	0.0242	0.0240	97.0	75.9-124	0.860	20	WG709863
Trichlorofluoromethane	mg/kg	0.0199	0.0201	80.0	67.7-131	1.02	20	WG709863
Vinyl chloride	mg/kg	0.0212	0.0214	85.0	66.7-130	0.840	20	WG709863
Xylenes, Total	mg/kg	0.0703	0.0701	94.0	78.8-121	0.290	20	WG709863
4-Bromofluorobenzene				98.90	71-126			WG709863
Dibromofluoromethane				96.00	78.3-121			WG709863
Toluene-d8				104.0	88.5-111			WG709863
1,1,1,2-Tetrachloroethane	mg/kg	0.0262	0.0244	105.	72.9-124	7.36	20	WG710075
1,1,1-Trichloroethane	mg/kg	0.0246	0.0242	98.0	73.7-124	1.50	20	WG710075
1,1,2,2-Tetrachloroethane	mg/kg	0.0248	0.0231	99.0	69.4-122	7.14	20	WG710075
1,1,2-Trichloroethane	mg/kg	0.0269	0.0246	108.	79.1-118	8.78	20	WG710075
1,1,2-Trichlorotrifluoroethane	mg/kg	0.0256	0.0254	102.	70-146	0.880	20	WG710075
1,1-Dichloroethane	mg/kg	0.0244	0.0239	97.0	75-124	1.81	20	WG710075
1,1-Dichloroethene	mg/kg	0.0255	0.0256	102.	70.4-129	0.710	20	WG710075
1,1-Dichloropropene	mg/kg	0.0252	0.0248	101.	74.9-124	1.77	20	WG710075
1,2,3-Trichlorobenzene	mg/kg	0.0234	0.0229	93.0	69.3-131	2.09	20	WG710075
1,2,3-Trichloropropane	mg/kg	0.0266	0.0249	106.	71.4-123	6.48	20	WG710075
1,2,3-Trimethylbenzene	mg/kg	0.0215	0.0203	86.0	73.6-113	5.95	20	WG710075
1,2,4-Trichlorobenzene	mg/kg	0.0251	0.0243	100.	71.9-137	3.51	20	WG710075
1,2,4-Trimethylbenzene	mg/kg	0.0237	0.0217	95.0	75.5-122	8.67	20	WG710075
1,2-Dibromo-3-Chloropropane	mg/kg	0.0250	0.0240	100.	62.8-133	3.78	20	WG710075
1,2-Dibromoethane	mg/kg	0.0270	0.0250	108.	78.6-120	7.72	20	WG710075
1,2-Dichlorobenzene	mg/kg	0.0255	0.0240	102.	78.3-118	6.03	20	WG710075
1,2-Dichloroethane	mg/kg	0.0276	0.0268	110.	70.1-124	2.90	20	WG710075
1,2-Dichloropropane	mg/kg	0.0235	0.0231	94.0	77.9-119	1.67	20	WG710075
1,3,5-Trimethylbenzene	mg/kg	0.0241	0.0221	96.0	75.9-124	8.51	20	WG710075
1,3-Dichlorobenzene	mg/kg	0.0250	0.0231	100.	72-126	7.92	20	WG710075
1,3-Dichloropropane	mg/kg	0.0255	0.0238	102.	79.1-117	6.62	20	WG710075
1,4-Dichlorobenzene	mg/kg	0.0256	0.0240	102.	78.3-117	6.42	20	WG710075

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Quality Assurance Report
Level II

L686434

March 13, 2014

		Laboratory Control Sample Duplicate						
Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
2,2-Dichloropropane	mg/kg	0.0227	0.0216	91.0	61.3-136	4.90	20	WG710075
2-Butanone (MEK)	mg/kg	0.124	0.122	99.0	53.7-153	1.70	21.2	WG710075
2-Chloroethyl vinyl ether	mg/kg	0.142	0.135	113.	37.7-157	4.69	20	WG710075
2-Chlorotoluene	mg/kg	0.0247	0.0227	99.0	75.6-121	8.42	20	WG710075
4-Chlorotoluene	mg/kg	0.0255	0.0234	102.	77.3-120	8.56	20	WG710075
4-Methyl-2-pentanone (MIBK)	mg/kg	0.126	0.123	101.	70.4-137	2.77	20	WG710075
Acetone	mg/kg	0.0982	0.101	78.0	35.1-175	2.82	26.1	WG710075
Acrylonitrile	mg/kg	0.121	0.120	97.0	56.4-128	0.760	20	WG710075
Benzene	mg/kg	0.0249	0.0243	100.	77.1-121	2.53	20	WG710075
Bromobenzene	mg/kg	0.0243	0.0224	97.0	78.2-115	8.37	20	WG710075
Bromodichloromethane	mg/kg	0.0241	0.0229	96.0	74.9-115	4.91	20	WG710075
Bromoform	mg/kg	0.0257	0.0240	103.	65.9-132	6.84	20	WG710075
Bromomethane	mg/kg	0.0307	0.0228	123.	48.7-165	29.6*	20	WG710075
Carbon tetrachloride	mg/kg	0.0240	0.0241	96.0	70-124	0.310	20	WG710075
Chlorobenzene	mg/kg	0.0260	0.0242	104.	79.1-119	7.37	20	WG710075
Chlorodibromomethane	mg/kg	0.0262	0.0248	105.	73.5-121	5.30	20	WG710075
Chloroethane	mg/kg	0.0262	0.0256	105.	66.2-132	2.54	20	WG710075
Chloroform	mg/kg	0.0249	0.0243	100.	76.7-122	2.36	20	WG710075
Chloromethane	mg/kg	0.0219	0.0222	88.0	63.4-131	1.47	20	WG710075
cis-1,2-Dichloroethene	mg/kg	0.0253	0.0248	101.	78.2-119	1.86	20	WG710075
cis-1,3-Dichloropropene	mg/kg	0.0254	0.0240	101.	79.6-120	5.61	20	WG710075
Di-isopropyl ether	mg/kg	0.0226	0.0225	90.0	70.4-133	0.450	20	WG710075
Dibromomethane	mg/kg	0.0272	0.0256	109.	79.4-120	5.84	20	WG710075
Dichlorodifluoromethane	mg/kg	0.0253	0.0260	101.	57.1-137	2.93	20	WG710075
Ethylbenzene	mg/kg	0.0246	0.0230	98.0	79.7-122	6.53	20	WG710075
Hexachloro-1,3-butadiene	mg/kg	0.0209	0.0200	84.0	68.2-123	4.58	20	WG710075
Isopropylbenzene	mg/kg	0.0275	0.0254	110.	80-135	8.10	20	WG710075
Methyl tert-butyl ether	mg/kg	0.0238	0.0234	95.0	73-129	1.45	20	WG710075
Methylene Chloride	mg/kg	0.0241	0.0235	96.0	72.6-120	2.25	20	WG710075
n-Butylbenzene	mg/kg	0.0243	0.0231	97.0	77.5-126	5.03	20	WG710075
n-Propylbenzene	mg/kg	0.0249	0.0233	100.	77.9-123	6.80	20	WG710075
Naphthalene	mg/kg	0.0248	0.0241	99.0	69.8-128	3.14	20	WG710075
p-Isopropyltoluene	mg/kg	0.0248	0.0230	99.0	75.8-129	7.25	20	WG710075
sec-Butylbenzene	mg/kg	0.0244	0.0226	98.0	75.8-126	7.65	20	WG710075
Styrene	mg/kg	0.0260	0.0243	104.	82.4-126	6.59	20	WG710075
tert-Butylbenzene	mg/kg	0.0256	0.0233	102.	76.4-126	9.53	20	WG710075
Tetrachloroethene	mg/kg	0.0257	0.0245	103.	73.9-125	4.79	20	WG710075
Toluene	mg/kg	0.0233	0.0224	93.0	79.7-118	3.88	20	WG710075
trans-1,2-Dichloroethene	mg/kg	0.0245	0.0238	98.0	73.8-122	3.14	20	WG710075
trans-1,3-Dichloropropene	mg/kg	0.0254	0.0243	102.	75.9-124	4.30	20	WG710075
Trichloroethene	mg/kg	0.0254	0.0242	102.	77.9-118	5.08	20	WG710075
Trichlorofluoromethane	mg/kg	0.0272	0.0269	109.	67.7-131	1.30	20	WG710075
Vinyl chloride	mg/kg	0.0234	0.0243	94.0	66.7-130	3.47	20	WG710075
Xylenes, Total	mg/kg	0.0731	0.0681	98.0	78.8-121	7.09	20	WG710075
4-Bromofluorobenzene				99.50	71-126			WG710075
Dibromofluoromethane				101.0	78.3-121			WG710075
Toluene-d8				95.90	88.5-111			WG710075
cis-1,2-Dichloroethene	mg/kg	0.0275	0.0239	110.	78.2-119	14.0	20	WG710116
Tetrachloroethene	mg/kg	0.0263	0.0227	105.	73.9-125	14.9	20	WG710116
Trichloroethene	mg/kg	0.0265	0.0233	106.	77.9-118	12.8	20	WG710116
4-Bromofluorobenzene				95.80	71-126			WG710116
Dibromofluoromethane				97.50	78.3-121			WG710116
Toluene-d8				96.30	88.5-111			WG710116
cis-1,2-Dichloroethene	mg/kg	0.0242	0.0244	97.0	78.2-119	0.890	20	WG710639
Tetrachloroethene	mg/kg	0.0229	0.0232	92.0	73.9-125	0.970	20	WG710639

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Est. 1970

S&ME Inc. - Kennesaw GA
Peter Fleury
3380 Town Point Drive Suite 140
Kennesaw, GA 30144

Quality Assurance Report
Level II

L686434

March 13, 2014

Analyte	Units	Laboratory Control Sample Result	Ref	%Rec	Limit	RPD	Limit	Batch
Trichloroethene	mg/kg	0.0237	0.0238	95.0	77.9-118	0.500	20	WG710639
4-Bromofluorobenzene				93.60	71-126			WG710639
Dibromofluoromethane				94.90	78.3-121			WG710639
Toluene-d8				98.80	88.5-111			WG710639

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
1,1,1,2-Tetrachloroethane	mg/kg	0.106	0.0	.025	85.0	64-128	L686618-01	WG709862
1,1,1-Trichloroethane	mg/kg	0.115	0.0	.025	92.0	58.7-134	L686618-01	WG709862
1,1,2,2-Tetrachloroethane	mg/kg	0.109	0.0	.025	87.0	56-132	L686618-01	WG709862
1,1,2-Trichloroethane	mg/kg	0.113	0.0	.025	90.0	66.3-125	L686618-01	WG709862
1,1,2-Trichlorotrifluoroethane	mg/kg	0.116	0.0	.025	93.0	54.8-154	L686618-01	WG709862
1,1-Dichloroethane	mg/kg	0.114	0.0	.025	91.0	58.5-132	L686618-01	WG709862
1,1-Dichloroethene	mg/kg	0.118	0.0	.025	95.0	51.1-140	L686618-01	WG709862
1,1-Dichloropropene	mg/kg	0.111	0.0	.025	89.0	57.3-136	L686618-01	WG709862
1,2,3-Trichlorobenzene	mg/kg	0.0960	0.0	.025	77.0	59.1-138	L686618-01	WG709862
1,2,3-Trichloropropane	mg/kg	0.107	0.0	.025	86.0	61.4-128	L686618-01	WG709862
1,2,3-Trimethylbenzene	mg/kg	0.0898	0.0	.025	72.0	61.3-122	L686618-01	WG709862
1,2,4-Trichlorobenzene	mg/kg	0.102	0.0	.025	81.0	63.6-143	L686618-01	WG709862
1,2,4-Trimethylbenzene	mg/kg	0.103	0.0	.025	82.0	57.4-137	L686618-01	WG709862
1,2-Dibromo-3-Chloropropane	mg/kg	0.118	0.0	.025	94.0	57.3-136	L686618-01	WG709862
1,2-Dibromoethane	mg/kg	0.116	0.0	.025	93.0	67.1-125	L686618-01	WG709862
1,2-Dichlorobenzene	mg/kg	0.103	0.0	.025	82.0	68.2-123	L686618-01	WG709862
1,2-Dichloroethane	mg/kg	0.110	0.0	.025	88.0	60-126	L686618-01	WG709862
1,2-Dichloropropane	mg/kg	0.109	0.0	.025	87.0	64.2-123	L686618-01	WG709862
1,3,5-Trimethylbenzene	mg/kg	0.103	0.0	.025	82.0	63.6-132	L686618-01	WG709862
1,3-Dichlorobenzene	mg/kg	0.0986	0.0	.025	79.0	63.1-131	L686618-01	WG709862
1,3-Dichloropropane	mg/kg	0.107	0.0	.025	86.0	67.9-121	L686618-01	WG709862
1,4-Dichlorobenzene	mg/kg	0.0974	0.0	.025	78.0	68.6-123	L686618-01	WG709862
2,2-Dichloropropane	mg/kg	0.110	0.0	.025	88.0	50.5-144	L686618-01	WG709862
2-Butanone (MEK)	mg/kg	0.813	0.00147	.125	130.	22.4-138	L686618-01	WG709862
2-Chloroethyl vinyl ether	mg/kg	0.633	0.0	.125	100.	10-155	L686618-01	WG709862
2-Chlorotoluene	mg/kg	0.102	0.0	.025	82.0	63.6-128	L686618-01	WG709862
4-Chlorotoluene	mg/kg	0.0989	0.0	.025	79.0	65.7-127	L686618-01	WG709862
4-Methyl-2-pentanone (MIBK)	mg/kg	0.647	0.0	.125	100.	60.8-140	L686618-01	WG709862
Acetone	mg/kg	0.998	0.0141	.125	160.*	10-130	L686618-01	WG709862
Acrylonitrile	mg/kg	0.608	0.0	.125	97.0	49.4-133	L686618-01	WG709862
Benzene	mg/kg	0.111	0.0	.025	89.0	54.3-133	L686618-01	WG709862
Bromobenzene	mg/kg	0.0988	0.0	.025	79.0	63.9-124	L686618-01	WG709862
Bromodichloromethane	mg/kg	0.107	0.0	.025	86.0	63.9-121	L686618-01	WG709862
Bromoform	mg/kg	0.0999	0.0	.025	80.0	59.5-134	L686618-01	WG709862
Bromomethane	mg/kg	0.115	0.0	.025	92.0	41.7-155	L686618-01	WG709862
Carbon tetrachloride	mg/kg	0.114	0.0	.025	91.0	55.7-134	L686618-01	WG709862
Chlorobenzene	mg/kg	0.103	0.0	.025	82.0	67-125	L686618-01	WG709862
Chlorodibromomethane	mg/kg	0.110	0.0	.025	88.0	64.3-125	L686618-01	WG709862
Chloroethane	mg/kg	0.107	0.0	.025	86.0	51.5-136	L686618-01	WG709862
Chloroform	mg/kg	0.111	0.0	.025	89.0	63-129	L686618-01	WG709862
Chloromethane	mg/kg	0.112	0.0	.025	89.0	42.4-135	L686618-01	WG709862
cis-1,3-Dichloropropene	mg/kg	0.116	0.0	.025	93.0	66.4-125	L686618-01	WG709862
Di-isopropyl ether	mg/kg	0.110	0.0	.025	88.0	56.9-136	L686618-01	WG709862
Dibromomethane	mg/kg	0.123	0.0	.025	98.0	68.2-124	L686618-01	WG709862
Dichlorodifluoromethane	mg/kg	0.113	0.0	.025	90.0	40.6-144	L686618-01	WG709862
Ethylbenzene	mg/kg	0.109	0.0	.025	88.0	61.4-133	L686618-01	WG709862
Hexachloro-1,3-butadiene	mg/kg	0.0926	0.0	.025	74.0	55.1-136	L686618-01	WG709862
Isopropylbenzene	mg/kg	0.115	0.0	.025	92.0	66.8-141	L686618-01	WG709862
Methyl tert-butyl ether	mg/kg	0.130	0.0	.025	100.	57.7-134	L686618-01	WG709862
Methylene Chloride	mg/kg	0.109	0.000793	.025	87.0	58.1-122	L686618-01	WG709862
n-Butylbenzene	mg/kg	0.103	0.0	.025	82.0	62.7-140	L686618-01	WG709862

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Quality Assurance Report
Level II

L686434

March 13, 2014

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
n-Propylbenzene	mg/kg	0.103	0.0	.025	83.0	10-176	L686618-01	WG709862
Naphthalene	mg/kg	0.107	0.000595	.025	86.0	58-135	L686618-01	WG709862
p-Isopropyltoluene	mg/kg	0.103	0.0	.025	83.0	63.2-139	L686618-01	WG709862
sec-Butylbenzene	mg/kg	0.102	0.0	.025	82.0	62.2-136	L686618-01	WG709862
Styrene	mg/kg	0.109	0.0	.025	87.0	66.8-133	L686618-01	WG709862
tert-Butylbenzene	mg/kg	0.104	0.0	.025	83.0	63.3-134	L686618-01	WG709862
Toluene	mg/kg	0.118	0.0	.025	94.0	61.4-130	L686618-01	WG709862
trans-1,2-Dichloroethene	mg/kg	0.112	0.0	.025	89.0	56.5-129	L686618-01	WG709862
trans-1,3-Dichloropropene	mg/kg	0.108	0.0	.025	86.0	64.1-128	L686618-01	WG709862
Trichlorofluoromethane	mg/kg	0.109	0.0	.025	87.0	49.6-145	L686618-01	WG709862
Vinyl chloride	mg/kg	0.114	0.0	.025	91.0	47.8-137	L686618-01	WG709862
Xylenes, Total	mg/kg	0.320	0.0	.075	85.0	63.3-131	L686618-01	WG709862
4-Bromofluorobenzene					94.00	71-126		WG709862
Dibromofluoromethane					99.10	78.3-121		WG709862
Toluene-d8					97.00	88.5-111		WG709862
1,1,1,2-Tetrachloroethane	mg/kg	0.124	0.0	.025	99.0	64-128	L686698-01	WG709972
1,1,1-Trichloroethane	mg/kg	0.121	0.0	.025	97.0	58.7-134	L686698-01	WG709972
1,1,2,2-Tetrachloroethane	mg/kg	0.120	0.0	.025	96.0	56-132	L686698-01	WG709972
1,1,2-Trichloroethane	mg/kg	0.128	0.0	.025	100.	66.3-125	L686698-01	WG709972
1,1,2-Trichlorotrifluoroethane	mg/kg	0.124	0.0	.025	99.0	54.8-154	L686698-01	WG709972
1,1-Dichloroethane	mg/kg	0.125	0.0	.025	100.	58.5-132	L686698-01	WG709972
1,1-Dichloroethene	mg/kg	0.126	0.0	.025	100.	51.1-140	L686698-01	WG709972
1,1-Dichloropropene	mg/kg	0.121	0.0	.025	97.0	57.3-136	L686698-01	WG709972
1,2,3-Trichlorobenzene	mg/kg	0.115	0.0	.025	92.0	59.1-138	L686698-01	WG709972
1,2,3-Trichloropropane	mg/kg	0.126	0.0	.025	100.	61.4-128	L686698-01	WG709972
1,2,3-Trimethylbenzene	mg/kg	0.104	0.0	.025	83.0	61.3-122	L686698-01	WG709972
1,2,4-Trichlorobenzene	mg/kg	0.126	0.0	.025	100.	63.6-143	L686698-01	WG709972
1,2,4-Trimethylbenzene	mg/kg	0.117	0.000401	.025	93.0	57.4-137	L686698-01	WG709972
1,2-Dibromo-3-Chloropropane	mg/kg	0.122	0.0	.025	98.0	57.3-136	L686698-01	WG709972
1,2-Dibromoethane	mg/kg	0.125	0.0	.025	100.	67.1-125	L686698-01	WG709972
1,2-Dichlorobenzene	mg/kg	0.123	0.0	.025	98.0	68.2-123	L686698-01	WG709972
1,2-Dichloroethane	mg/kg	0.123	0.0	.025	98.0	60-126	L686698-01	WG709972
1,2-Dichloropropane	mg/kg	0.125	0.0	.025	100.	64.2-123	L686698-01	WG709972
1,3,5-Trimethylbenzene	mg/kg	0.121	0.0	.025	97.0	63.6-132	L686698-01	WG709972
1,3-Dichlorobenzene	mg/kg	0.120	0.0	.025	96.0	63.1-131	L686698-01	WG709972
1,3-Dichloropropane	mg/kg	0.120	0.0	.025	96.0	67.9-121	L686698-01	WG709972
1,4-Dichlorobenzene	mg/kg	0.121	0.000319	.025	96.0	68.6-123	L686698-01	WG709972
2,2-Dichloropropane	mg/kg	0.120	0.0	.025	96.0	50.5-144	L686698-01	WG709972
2-Butanone (MEK)	mg/kg	0.733	0.00208	.125	120.	22.4-138	L686698-01	WG709972
2-Chloroethyl vinyl ether	mg/kg	0.672	0.0	.125	110.	10-155	L686698-01	WG709972
2-Chlorotoluene	mg/kg	0.116	0.0	.025	93.0	63.6-128	L686698-01	WG709972
4-Chlorotoluene	mg/kg	0.116	0.0	.025	93.0	65.7-127	L686698-01	WG709972
4-Methyl-2-pentanone (MIBK)	mg/kg	0.674	0.0	.125	110.	60.8-140	L686698-01	WG709972
Acetone	mg/kg	1.01	0.0155	.125	160.*	10-130	L686698-01	WG709972
Acrylonitrile	mg/kg	0.623	0.0	.125	100.	49.4-133	L686698-01	WG709972
Benzene	mg/kg	0.116	0.0	.025	93.0	54.3-133	L686698-01	WG709972
Bromobenzene	mg/kg	0.118	0.0	.025	95.0	63.9-124	L686698-01	WG709972
Bromodichloromethane	mg/kg	0.119	0.0	.025	95.0	63.9-121	L686698-01	WG709972
Bromoform	mg/kg	0.130	0.0	.025	100.	59.5-134	L686698-01	WG709972
Bromomethane	mg/kg	0.106	0.0	.025	85.0	41.7-155	L686698-01	WG709972
Carbon tetrachloride	mg/kg	0.124	0.0	.025	99.0	55.7-134	L686698-01	WG709972
Chlorobenzene	mg/kg	0.123	0.0	.025	98.0	67-125	L686698-01	WG709972
Chlorodibromomethane	mg/kg	0.126	0.0	.025	100.	64.3-125	L686698-01	WG709972
Chloroethane	mg/kg	0.125	0.0	.025	100.	51.5-136	L686698-01	WG709972
Chloroform	mg/kg	0.123	0.0	.025	99.0	63-129	L686698-01	WG709972
Chloromethane	mg/kg	0.109	0.0	.025	88.0	42.4-135	L686698-01	WG709972
cis-1,3-Dichloropropene	mg/kg	0.124	0.0	.025	99.0	66.4-125	L686698-01	WG709972

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Quality Assurance Report
Level II

L686434

March 13, 2014

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Di-isopropyl ether	mg/kg	0.121	0.0	.025	97.0	56.9-136	L686698-01	WG709972
Dibromomethane	mg/kg	0.129	0.0	.025	100.	68.2-124	L686698-01	WG709972
Dichlorodifluoromethane	mg/kg	0.119	0.0	.025	95.0	40.6-144	L686698-01	WG709972
Ethylbenzene	mg/kg	0.122	0.0	.025	98.0	61.4-133	L686698-01	WG709972
Hexachloro-1,3-butadiene	mg/kg	0.103	0.0	.025	82.0	55.1-136	L686698-01	WG709972
Isopropylbenzene	mg/kg	0.132	0.0	.025	110.	66.8-141	L686698-01	WG709972
Methyl tert-butyl ether	mg/kg	0.122	0.0	.025	98.0	57.7-134	L686698-01	WG709972
Methylene Chloride	mg/kg	0.116	0.00144	.025	92.0	58.1-122	L686698-01	WG709972
n-Butylbenzene	mg/kg	0.120	0.000366	.025	96.0	62.7-140	L686698-01	WG709972
n-Propylbenzene	mg/kg	0.120	0.0	.025	96.0	10-176	L686698-01	WG709972
Naphthalene	mg/kg	0.117	0.000795	.025	93.0	58-135	L686698-01	WG709972
p-Isopropyltoluene	mg/kg	0.122	0.0	.025	97.0	63.2-139	L686698-01	WG709972
sec-Butylbenzene	mg/kg	0.119	0.0	.025	96.0	62.2-136	L686698-01	WG709972
Styrene	mg/kg	0.128	0.0	.025	100.	66.8-133	L686698-01	WG709972
tert-Butylbenzene	mg/kg	0.121	0.0	.025	97.0	63.3-134	L686698-01	WG709972
Toluene	mg/kg	0.120	0.000878	.025	95.0	61.4-130	L686698-01	WG709972
trans-1,2-Dichloroethene	mg/kg	0.121	0.0	.025	97.0	56.5-129	L686698-01	WG709972
trans-1,3-Dichloropropene	mg/kg	0.129	0.0	.025	100.	64.1-128	L686698-01	WG709972
Trichlorofluoromethane	mg/kg	0.147	0.0	.025	120.	49.6-145	L686698-01	WG709972
Vinyl chloride	mg/kg	0.119	0.0	.025	95.0	47.8-137	L686698-01	WG709972
Xylenes, Total	mg/kg	0.359	0.000434	.075	96.0	63.3-131	L686698-01	WG709972
4-Bromofluorobenzene					100.0	71-126		WG709972
Dibromofluoromethane					100.0	78.3-121		WG709972
Toluene-d8					104.0	88.5-111		WG709972
1,1,1,2-Tetrachloroethane	mg/kg	0.102	0.0	.025	82.0	64-128	L686527-01	WG709863
1,1,1-Trichloroethane	mg/kg	0.106	0.0	.025	85.0	58.7-134	L686527-01	WG709863
1,1,2,2-Tetrachloroethane	mg/kg	0.101	0.0	.025	81.0	56-132	L686527-01	WG709863
1,1,2-Trichloroethane	mg/kg	0.108	0.0	.025	87.0	66.3-125	L686527-01	WG709863
1,1,2-Trichlorotrifluoroethane	mg/kg	0.0966	0.0	.025	77.0	54.8-154	L686527-01	WG709863
1,1-Dichloroethane	mg/kg	0.112	0.0	.025	89.0	58.5-132	L686527-01	WG709863
1,1-Dichloroethene	mg/kg	0.115	0.0	.025	92.0	51.1-140	L686527-01	WG709863
1,1-Dichloropropene	mg/kg	0.118	0.0	.025	94.0	57.3-136	L686527-01	WG709863
1,2,3-Trichlorobenzene	mg/kg	0.107	0.000337	.025	86.0	59.1-138	L686527-01	WG709863
1,2,3-Trichloropropane	mg/kg	0.0972	0.0	.025	78.0	61.4-128	L686527-01	WG709863
1,2,3-Trimethylbenzene	mg/kg	0.0967	0.0	.025	77.0	61.3-122	L686527-01	WG709863
1,2,4-Trichlorobenzene	mg/kg	0.117	0.000463	.025	93.0	63.6-143	L686527-01	WG709863
1,2,4-Trimethylbenzene	mg/kg	0.109	0.0	.025	87.0	57.4-137	L686527-01	WG709863
1,2-Dibromo-3-Chloropropane	mg/kg	0.0948	0.0	.025	76.0	57.3-136	L686527-01	WG709863
1,2-Dibromoethane	mg/kg	0.109	0.0	.025	87.0	67.1-125	L686527-01	WG709863
1,2-Dichlorobenzene	mg/kg	0.106	0.0	.025	85.0	68.2-123	L686527-01	WG709863
1,2-Dichloroethane	mg/kg	0.0936	0.0	.025	75.0	60-126	L686527-01	WG709863
1,2-Dichloropropane	mg/kg	0.114	0.0	.025	91.0	64.2-123	L686527-01	WG709863
1,3,5-Trimethylbenzene	mg/kg	0.113	0.0	.025	90.0	63.6-132	L686527-01	WG709863
1,3-Dichlorobenzene	mg/kg	0.106	0.0	.025	85.0	63.1-131	L686527-01	WG709863
1,3-Dichloropropane	mg/kg	0.105	0.0	.025	84.0	67.9-121	L686527-01	WG709863
1,4-Dichlorobenzene	mg/kg	0.108	0.0	.025	86.0	68.6-123	L686527-01	WG709863
2,2-Dichloropropane	mg/kg	0.103	0.0	.025	83.0	50.5-144	L686527-01	WG709863
2-Butanone (MEK)	mg/kg	0.564	0.0	.125	90.0	22.4-138	L686527-01	WG709863
2-Chloroethyl vinyl ether	mg/kg	0.587	0.0	.125	94.0	10-155	L686527-01	WG709863
2-Chlorotoluene	mg/kg	0.110	0.0	.025	88.0	63.6-128	L686527-01	WG709863
4-Chlorotoluene	mg/kg	0.107	0.0	.025	86.0	65.7-127	L686527-01	WG709863
4-Methyl-2-pentanone (MIBK)	mg/kg	0.546	0.0	.125	87.0	60.8-140	L686527-01	WG709863
Acetone	mg/kg	0.394	0.00432	.125	62.0	10-130	L686527-01	WG709863
Acrylonitrile	mg/kg	0.503	0.0	.125	80.0	49.4-133	L686527-01	WG709863
Benzene	mg/kg	0.116	0.0	.025	93.0	54.3-133	L686527-01	WG709863
Bromobenzene	mg/kg	0.0998	0.0	.025	80.0	63.9-124	L686527-01	WG709863
Bromodichloromethane	mg/kg	0.105	0.0	.025	84.0	63.9-121	L686527-01	WG709863

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Est. 1970

S&ME Inc. - Kennesaw GA
Peter Fleury
3380 Town Point Drive Suite 140
Kennesaw, GA 30144

Quality Assurance Report
Level II

March 13, 2014

L686434

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Bromoform	mg/kg	0.110	0.0	.025	88.0	59.5-134	L686527-01	WG709863
Bromomethane	mg/kg	0.0970	0.0	.025	78.0	41.7-155	L686527-01	WG709863
Carbon tetrachloride	mg/kg	0.112	0.0	.025	90.0	55.7-134	L686527-01	WG709863
Chlorobenzene	mg/kg	0.109	0.0	.025	87.0	67-125	L686527-01	WG709863
Chlorodibromomethane	mg/kg	0.103	0.0	.025	82.0	64.3-125	L686527-01	WG709863
Chloroethane	mg/kg	0.0936	0.0	.025	75.0	51.5-136	L686527-01	WG709863
Chloroform	mg/kg	0.108	0.0	.025	86.0	63-129	L686527-01	WG709863
Chloromethane	mg/kg	0.101	0.0	.025	81.0	42.4-135	L686527-01	WG709863
cis-1,3-Dichloropropene	mg/kg	0.118	0.0	.025	94.0	66.4-125	L686527-01	WG709863
Di-isopropyl ether	mg/kg	0.101	0.0	.025	80.0	56.9-136	L686527-01	WG709863
Dibromomethane	mg/kg	0.105	0.0	.025	84.0	68.2-124	L686527-01	WG709863
Dichlorodifluoromethane	mg/kg	0.106	0.0	.025	85.0	40.6-144	L686527-01	WG709863
Ethylbenzene	mg/kg	0.118	0.0	.025	94.0	61.4-133	L686527-01	WG709863
Hexachloro-1,3-butadiene	mg/kg	0.111	0.0	.025	89.0	55.1-136	L686527-01	WG709863
Isopropylbenzene	mg/kg	0.123	0.0	.025	99.0	66.8-141	L686527-01	WG709863
Methyl tert-butyl ether	mg/kg	0.0961	0.0	.025	77.0	57.7-134	L686527-01	WG709863
Methylene Chloride	mg/kg	0.0936	0.00115	.025	74.0	58.1-122	L686527-01	WG709863
n-Butylbenzene	mg/kg	0.124	0.0	.025	99.0	62.7-140	L686527-01	WG709863
n-Propylbenzene	mg/kg	0.113	0.0	.025	91.0	10-176	L686527-01	WG709863
Naphthalene	mg/kg	0.0943	0.000936	.025	75.0	58-135	L686527-01	WG709863
p-Isopropyltoluene	mg/kg	0.119	0.0	.025	96.0	63.2-139	L686527-01	WG709863
sec-Butylbenzene	mg/kg	0.119	0.0	.025	95.0	62.2-136	L686527-01	WG709863
Styrene	mg/kg	0.116	0.0	.025	93.0	66.8-133	L686527-01	WG709863
tert-Butylbenzene	mg/kg	0.117	0.0	.025	93.0	63.3-134	L686527-01	WG709863
Toluene	mg/kg	0.114	0.0	.025	91.0	61.4-130	L686527-01	WG709863
trans-1,2-Dichloroethene	mg/kg	0.111	0.0	.025	89.0	56.5-129	L686527-01	WG709863
trans-1,3-Dichloropropene	mg/kg	0.115	0.0	.025	92.0	64.1-128	L686527-01	WG709863
Trichlorofluoromethane	mg/kg	0.0982	0.0	.025	78.0	49.6-145	L686527-01	WG709863
Vinyl chloride	mg/kg	0.105	0.0	.025	84.0	47.8-137	L686527-01	WG709863
Xylenes, Total	mg/kg	0.335	0.0	.075	89.0	63.3-131	L686527-01	WG709863
4-Bromofluorobenzene					94.70	71-126		WG709863
Dibromofluoromethane					95.40	78.3-121		WG709863
Toluene-d8					103.0	88.5-111		WG709863
1,1,1,2-Tetrachloroethane	mg/kg	0.361	0.0	.025	98.0	64-128	L686902-02	WG710075
1,1,1-Trichloroethane	mg/kg	0.341	0.0	.025	92.0	58.7-134	L686902-02	WG710075
1,1,2,2-Tetrachloroethane	mg/kg	0.323	0.0	.025	88.0	56-132	L686902-02	WG710075
1,1,2-Trichloroethane	mg/kg	0.370	0.0	.025	100.	66.3-125	L686902-02	WG710075
1,1,2-Trichlorotrifluoroethane	mg/kg	0.247	0.0	.025	67.0	54.8-154	L686902-02	WG710075
1,1-Dichloroethane	mg/kg	0.334	0.0	.025	91.0	58.5-132	L686902-02	WG710075
1,1-Dichloroethene	mg/kg	0.234	0.0	.025	63.0	51.1-140	L686902-02	WG710075
1,1-Dichloropropene	mg/kg	0.369	0.0	.025	100.	57.3-136	L686902-02	WG710075
1,2,3-Trichlorobenzene	mg/kg	0.329	0.0	.025	89.0	59.1-138	L686902-02	WG710075
1,2,3-Trichloropropane	mg/kg	0.342	0.0	.025	93.0	61.4-128	L686902-02	WG710075
1,2,3-Trimethylbenzene	mg/kg	0.302	0.000418	.025	82.0	61.3-122	L686902-02	WG710075
1,2,4-Trichlorobenzene	mg/kg	0.368	0.0	.025	100.	63.6-143	L686902-02	WG710075
1,2,4-Trimethylbenzene	mg/kg	0.335	0.000933	.025	91.0	57.4-137	L686902-02	WG710075
1,2-Dibromo-3-Chloropropane	mg/kg	0.311	0.0	.025	84.0	57.3-136	L686902-02	WG710075
1,2-Dibromoethane	mg/kg	0.364	0.0	.025	99.0	67.1-125	L686902-02	WG710075
1,2-Dichlorobenzene	mg/kg	0.352	0.0	.025	95.0	68.2-123	L686902-02	WG710075
1,2-Dichloroethane	mg/kg	0.365	0.0	.025	99.0	60-126	L686902-02	WG710075
1,2-Dichloropropane	mg/kg	0.336	0.0	.025	91.0	64.2-123	L686902-02	WG710075
1,3,5-Trimethylbenzene	mg/kg	0.341	0.000539	.025	92.0	63.6-132	L686902-02	WG710075
1,3-Dichlorobenzene	mg/kg	0.354	0.000776	.025	96.0	63.1-131	L686902-02	WG710075
1,3-Dichloropropane	mg/kg	0.353	0.0	.025	96.0	67.9-121	L686902-02	WG710075
1,4-Dichlorobenzene	mg/kg	0.357	0.0	.025	97.0	68.6-123	L686902-02	WG710075
2,2-Dichloropropane	mg/kg	0.279	0.0	.025	76.0	50.5-144	L686902-02	WG710075
2-Butanone (MEK)	mg/kg	1.69	0.0	.125	92.0	22.4-138	L686902-02	WG710075

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Quality Assurance Report
Level II

L686434

March 13, 2014

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
2-Chloroethyl vinyl ether	mg/kg	1.98	0.0	.125	110.	10-155	L686902-02	WG710075
2-Chlorotoluene	mg/kg	0.348	0.0	.025	94.0	63.6-128	L686902-02	WG710075
4-Chlorotoluene	mg/kg	0.360	0.0	.025	98.0	65.7-127	L686902-02	WG710075
4-Methyl-2-pentanone (MIBK)	mg/kg	1.64	0.0	.125	89.0	60.8-140	L686902-02	WG710075
Acetone	mg/kg	1.32	0.0296	.125	70.0	10-130	L686902-02	WG710075
Acrylonitrile	mg/kg	1.58	0.0	.125	86.0	49.4-133	L686902-02	WG710075
Benzene	mg/kg	0.351	0.0	.025	95.0	54.3-133	L686902-02	WG710075
Bromobenzene	mg/kg	0.340	0.0	.025	92.0	63.9-124	L686902-02	WG710075
Bromodichloromethane	mg/kg	0.326	0.0	.025	88.0	63.9-121	L686902-02	WG710075
Bromoform	mg/kg	0.332	0.0	.025	90.0	59.5-134	L686902-02	WG710075
Bromomethane	mg/kg	0.150	0.0	.025	41.0*	41.7-155	L686902-02	WG710075
Carbon tetrachloride	mg/kg	0.351	0.0	.025	95.0	55.7-134	L686902-02	WG710075
Chlorobenzene	mg/kg	0.367	0.0	.025	100.	67-125	L686902-02	WG710075
Chlorodibromomethane	mg/kg	0.356	0.0	.025	97.0	64.3-125	L686902-02	WG710075
Chloroethane	mg/kg	0.00848	0.0	.025	2.30*	51.5-136	L686902-02	WG710075
Chloroform	mg/kg	0.350	0.0	.025	95.0	63-129	L686902-02	WG710075
Chloromethane	mg/kg	0.327	0.0	.025	89.0	42.4-135	L686902-02	WG710075
cis-1,2-Dichloroethene	mg/kg	0.343	0.0	.025	93.0	59.2-129	L686902-02	WG710075
cis-1,3-Dichloropropene	mg/kg	0.349	0.0	.025	94.0	66.4-125	L686902-02	WG710075
Di-isopropyl ether	mg/kg	0.316	0.0	.025	86.0	56.9-136	L686902-02	WG710075
Dibromomethane	mg/kg	0.368	0.0	.025	100.	68.2-124	L686902-02	WG710075
Dichlorodifluoromethane	mg/kg	0.391	0.0	.025	110.	40.6-144	L686902-02	WG710075
Ethylbenzene	mg/kg	0.354	0.0	.025	96.0	61.4-133	L686902-02	WG710075
Hexachloro-1,3-butadiene	mg/kg	0.318	0.0	.025	86.0	55.1-136	L686902-02	WG710075
Isopropylbenzene	mg/kg	0.400	0.0	.025	110.	66.8-141	L686902-02	WG710075
Methyl tert-butyl ether	mg/kg	0.314	0.0	.025	85.0	57.7-134	L686902-02	WG710075
Methylene Chloride	mg/kg	0.316	0.00561	.025	84.0	58.1-122	L686902-02	WG710075
n-Butylbenzene	mg/kg	0.362	0.000451	.025	98.0	62.7-140	L686902-02	WG710075
n-Propylbenzene	mg/kg	0.364	0.000337	.025	99.0	10-176	L686902-02	WG710075
Naphthalene	mg/kg	0.322	0.00288	.025	86.0	58-135	L686902-02	WG710075
p-Isopropyltoluene	mg/kg	0.364	0.0	.025	99.0	63.2-139	L686902-02	WG710075
sec-Butylbenzene	mg/kg	0.354	0.0	.025	96.0	62.2-136	L686902-02	WG710075
Styrene	mg/kg	0.365	0.0	.025	99.0	66.8-133	L686902-02	WG710075
tert-Butylbenzene	mg/kg	0.365	0.0	.025	99.0	63.3-134	L686902-02	WG710075
Tetrachloroethene	mg/kg	0.381	0.0	.025	100.	53-139	L686902-02	WG710075
Toluene	mg/kg	0.338	0.00488	.025	90.0	61.4-130	L686902-02	WG710075
trans-1,2-Dichloroethene	mg/kg	0.328	0.0	.025	89.0	56.5-129	L686902-02	WG710075
trans-1,3-Dichloropropene	mg/kg	0.349	0.0	.025	95.0	64.1-128	L686902-02	WG710075
Trichloroethene	mg/kg	0.369	0.0	.025	100.	44.1-149	L686902-02	WG710075
Trichlorofluoromethane	mg/kg	0.0959	0.0	.025	26.0*	49.6-145	L686902-02	WG710075
Vinyl chloride	mg/kg	0.372	0.0	.025	100.	47.8-137	L686902-02	WG710075
Xylenes, Total	mg/kg	1.05	0.00186	.075	95.0	63.3-131	L686902-02	WG710075
4-Bromofluorobenzene					98.70	71-126		WG710075
Dibromofluoromethane					96.60	78.3-121		WG710075
Toluene-d8					96.10	88.5-111		WG710075
cis-1,2-Dichloroethene	mg/kg	0.0142	0.0	.025	57.0*	59.2-129	L686913-02	WG710116
Tetrachloroethene	mg/kg	0.0110	0.0	.025	44.0*	53-139	L686913-02	WG710116
Trichloroethene	mg/kg	0.0130	0.0	.025	52.0	44.1-149	L686913-02	WG710116
4-Bromofluorobenzene					94.80	71-126		WG710116
Dibromofluoromethane					103.0	78.3-121		WG710116
Toluene-d8					96.70	88.5-111		WG710116
cis-1,2-Dichloroethene	mg/kg	0.101	0.0	.025	81.0	59.2-129	L687494-01	WG710639
Tetrachloroethene	mg/kg	0.0937	0.0	.025	75.0	53-139	L687494-01	WG710639
Trichloroethene	mg/kg	0.0983	0.0	.025	79.0	44.1-149	L687494-01	WG710639
4-Bromofluorobenzene					91.10	71-126		WG710639

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Quality Assurance Report
Level II

L686434

March 13, 2014

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Dibromofluoromethane					96.50	78.3-121			
Toluene-d8					98.70	88.5-111			

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
1,1,1,2-Tetrachloroethane	mg/kg	0.112	0.106	89.4	64-128	5.26	20	L686618-01	WG709862
1,1,1-Trichloroethane	mg/kg	0.121	0.115	96.6	58.7-134	4.91	20	L686618-01	WG709862
1,1,2,2-Tetrachloroethane	mg/kg	0.126	0.109	101.	56-132	14.6	22.2	L686618-01	WG709862
1,1,2-Trichloroethane	mg/kg	0.124	0.113	99.0	66.3-125	9.18	20	L686618-01	WG709862
1,1,2-Trichlorotrifluoroethane	mg/kg	0.117	0.116	93.7	54.8-154	1.23	22.5	L686618-01	WG709862
1,1-Dichloroethane	mg/kg	0.119	0.114	95.0	58.5-132	4.28	20	L686618-01	WG709862
1,1-Dichloroethene	mg/kg	0.118	0.118	94.3	51.1-140	0.450	20.2	L686618-01	WG709862
1,1-Dichloropropene	mg/kg	0.116	0.111	92.9	57.3-136	4.16	20	L686618-01	WG709862
1,2,3-Trichlorobenzene	mg/kg	0.0981	0.0960	78.5	59.1-138	2.11	23.7	L686618-01	WG709862
1,2,3-Trichloropropane	mg/kg	0.126	0.107	101.	61.4-128	16.1	22.4	L686618-01	WG709862
1,2,3-Trimethylbenzene	mg/kg	0.0914	0.0898	73.1	61.3-122	1.77	20	L686618-01	WG709862
1,2,4-Trichlorobenzene	mg/kg	0.0999	0.102	79.9	63.6-143	1.73	21.9	L686618-01	WG709862
1,2,4-Trimethylbenzene	mg/kg	0.105	0.103	84.1	57.4-137	2.50	20	L686618-01	WG709862
1,2-Dibromo-3-Chloropropane	mg/kg	0.135	0.118	108.	57.3-136	13.8	27	L686618-01	WG709862
1,2-Dibromoethane	mg/kg	0.128	0.116	102.	67.1-125	9.31	20	L686618-01	WG709862
1,2-Dichlorobenzene	mg/kg	0.104	0.103	83.2	68.2-123	1.04	20	L686618-01	WG709862
1,2-Dichloroethane	mg/kg	0.119	0.110	94.9	60-126	7.68	20	L686618-01	WG709862
1,2-Dichloropropane	mg/kg	0.114	0.109	91.0	64.2-123	4.23	20	L686618-01	WG709862
1,3,5-Trimethylbenzene	mg/kg	0.106	0.103	84.4	63.6-132	2.77	20.5	L686618-01	WG709862
1,3-Dichlorobenzene	mg/kg	0.103	0.0986	82.1	63.1-131	3.99	20	L686618-01	WG709862
1,3-Dichloropropane	mg/kg	0.118	0.107	94.1	67.9-121	9.04	20	L686618-01	WG709862
1,4-Dichlorobenzene	mg/kg	0.0953	0.0974	76.2	68.6-123	2.11	20	L686618-01	WG709862
2,2-Dichloropropane	mg/kg	0.116	0.110	93.0	50.5-144	5.87	21.9	L686618-01	WG709862
2-Butanone (MEK)	mg/kg	0.952	0.813	152.*	22.4-138	15.8	27	L686618-01	WG709862
2-Chloroethyl vinyl ether	mg/kg	0.726	0.633	116.	10-155	13.6	40	L686618-01	WG709862
2-Chlorotoluene	mg/kg	0.106	0.102	84.6	63.6-128	3.26	20	L686618-01	WG709862
4-Chlorotoluene	mg/kg	0.103	0.0989	82.4	65.7-127	4.09	20	L686618-01	WG709862
4-Methyl-2-pentanone (MIBK)	mg/kg	0.768	0.647	123.	60.8-140	17.1	25.1	L686618-01	WG709862
Acetone	mg/kg	0.946	0.998	149.*	10-130	5.33	27.9	L686618-01	WG709862
Acrylonitrile	mg/kg	0.693	0.608	111.	49.4-133	13.2	25.3	L686618-01	WG709862
Benzene	mg/kg	0.114	0.111	91.5	54.3-133	3.13	20	L686618-01	WG709862
Bromobenzene	mg/kg	0.105	0.0988	84.0	63.9-124	6.07	20	L686618-01	WG709862
Bromodichloromethane	mg/kg	0.112	0.107	89.8	63.9-121	4.52	20	L686618-01	WG709862
Bromoform	mg/kg	0.110	0.0999	87.8	59.5-134	9.49	20.8	L686618-01	WG709862
Bromomethane	mg/kg	0.119	0.115	95.4	41.7-155	3.23	20.5	L686618-01	WG709862
Carbon tetrachloride	mg/kg	0.118	0.114	94.6	55.7-134	3.51	20.3	L686618-01	WG709862
Chlorobenzene	mg/kg	0.108	0.103	86.7	67-125	5.49	20	L686618-01	WG709862
Chlorodibromomethane	mg/kg	0.120	0.110	96.0	64.3-125	8.31	20	L686618-01	WG709862
Chloroethane	mg/kg	0.112	0.107	89.5	51.5-136	4.33	20.8	L686618-01	WG709862
Chloroform	mg/kg	0.117	0.111	93.6	63-129	5.43	20	L686618-01	WG709862
Chloromethane	mg/kg	0.115	0.112	92.1	42.4-135	2.91	20	L686618-01	WG709862
cis-1,3-Dichloropropene	mg/kg	0.120	0.116	96.0	66.4-125	3.35	20	L686618-01	WG709862
Di-isopropyl ether	mg/kg	0.117	0.110	93.3	56.9-136	5.73	20	L686618-01	WG709862
Dibromomethane	mg/kg	0.131	0.123	104.	68.2-124	6.33	20	L686618-01	WG709862
Dichlorodifluoromethane	mg/kg	0.117	0.113	93.5	40.6-144	3.45	20.2	L686618-01	WG709862
Ethylbenzene	mg/kg	0.111	0.109	88.9	61.4-133	1.60	20	L686618-01	WG709862
Hexachloro-1,3-butadiene	mg/kg	0.0860	0.0926	68.8	55.1-136	7.49	23.6	L686618-01	WG709862
Isopropylbenzene	mg/kg	0.119	0.115	95.2	66.8-141	3.79	20	L686618-01	WG709862
Methyl tert-butyl ether	mg/kg	0.130	0.130	104.	57.7-134	0.160	20	L686618-01	WG709862
Methylene Chloride	mg/kg	0.116	0.109	92.4	58.1-122	6.29	20	L686618-01	WG709862
n-Butylbenzene	mg/kg	0.0988	0.103	79.0	62.7-140	4.28	20	L686618-01	WG709862
n-Propylbenzene	mg/kg	0.107	0.103	85.5	10-176	3.31	26.6	L686618-01	WG709862
Naphthalene	mg/kg	0.116	0.107	92.1	58-135	7.50	25.5	L686618-01	WG709862

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Quality Assurance Report
Level II

L686434

March 13, 2014

Analyte	Units	Matrix Spike MSD	Duplicate Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
p-Isopropyltoluene	mg/kg	0.105	0.103	83.9	63.2-139	1.37	20.4	L686618-01	WG709862
sec-Butylbenzene	mg/kg	0.105	0.102	84.2	62.2-136	2.92	20.3	L686618-01	WG709862
Styrene	mg/kg	0.115	0.109	92.1	66.8-133	5.37	20	L686618-01	WG709862
tert-Butylbenzene	mg/kg	0.108	0.104	86.2	63.3-134	3.91	20.3	L686618-01	WG709862
Toluene	mg/kg	0.116	0.118	92.6	61.4-130	1.78	20	L686618-01	WG709862
trans-1,2-Dichloroethene	mg/kg	0.116	0.112	92.7	56.5-129	3.78	20	L686618-01	WG709862
trans-1,3-Dichloropropene	mg/kg	0.118	0.108	94.7	64.1-128	9.36	20	L686618-01	WG709862
Trichlorofluoromethane	mg/kg	0.116	0.109	92.8	49.6-145	6.70	21.2	L686618-01	WG709862
Vinyl chloride	mg/kg	0.120	0.114	96.0	47.8-137	5.32	20	L686618-01	WG709862
Xylenes, Total	mg/kg	0.329	0.320	87.7	63.3-131	2.67	20	L686618-01	WG709862
4-Bromofluorobenzene				98.40	71-126				WG709862
Dibromofluoromethane				96.50	78.3-121				WG709862
Toluene-d8				97.20	88.5-111				WG709862
1,1,1,2-Tetrachloroethane	mg/kg	0.127	0.124	101.	64-128	2.61	20	L686698-01	WG709972
1,1,1-Trichloroethane	mg/kg	0.124	0.121	99.4	58.7-134	2.79	20	L686698-01	WG709972
1,1,2,2-Tetrachloroethane	mg/kg	0.118	0.120	94.7	56-132	1.03	22.2	L686698-01	WG709972
1,1,2-Trichloroethane	mg/kg	0.124	0.128	99.2	66.3-125	3.49	20	L686698-01	WG709972
1,1,2-Trichlorotrifluoroethane	mg/kg	0.127	0.124	102.	54.8-154	2.53	22.5	L686698-01	WG709972
1,1-Dichloroethane	mg/kg	0.126	0.125	101.	58.5-132	0.530	20	L686698-01	WG709972
1,1-Dichloroethene	mg/kg	0.130	0.126	104.	51.1-140	3.27	20.2	L686698-01	WG709972
1,1-Dichloropropene	mg/kg	0.124	0.121	99.1	57.3-136	1.91	20	L686698-01	WG709972
1,2,3-Trichlorobenzene	mg/kg	0.120	0.115	96.0	59.1-138	3.94	23.7	L686698-01	WG709972
1,2,3-Trichloropropane	mg/kg	0.126	0.126	101.	61.4-128	0.0	22.4	L686698-01	WG709972
1,2,3-Trimethylbenzene	mg/kg	0.103	0.104	82.7	61.3-122	0.190	20	L686698-01	WG709972
1,2,4-Trichlorobenzene	mg/kg	0.125	0.126	100.	63.6-143	0.280	21.9	L686698-01	WG709972
1,2,4-Trimethylbenzene	mg/kg	0.119	0.117	95.0	57.4-137	1.86	20	L686698-01	WG709972
1,2-Dibromo-3-Chloropropane	mg/kg	0.122	0.122	97.6	57.3-136	0.180	27	L686698-01	WG709972
1,2-Dibromoethane	mg/kg	0.125	0.125	99.7	67.1-125	0.0600	20	L686698-01	WG709972
1,2-Dichlorobenzene	mg/kg	0.121	0.123	96.6	68.2-123	1.73	20	L686698-01	WG709972
1,2-Dichloroethane	mg/kg	0.123	0.123	98.5	60-126	0.0400	20	L686698-01	WG709972
1,2-Dichloropropane	mg/kg	0.123	0.125	98.3	64.2-123	1.58	20	L686698-01	WG709972
1,3,5-Trimethylbenzene	mg/kg	0.124	0.121	99.0	63.6-132	2.13	20.5	L686698-01	WG709972
1,3-Dichlorobenzene	mg/kg	0.122	0.120	97.2	63.1-131	1.49	20	L686698-01	WG709972
1,3-Dichloropropane	mg/kg	0.119	0.120	95.3	67.9-121	0.900	20	L686698-01	WG709972
1,4-Dichlorobenzene	mg/kg	0.120	0.121	95.4	68.6-123	1.21	20	L686698-01	WG709972
2,2-Dichloropropane	mg/kg	0.122	0.120	97.9	50.5-144	2.09	21.9	L686698-01	WG709972
2-Butanone (MEK)	mg/kg	0.713	0.733	114.	22.4-138	2.81	27	L686698-01	WG709972
2-Chloroethyl vinyl ether	mg/kg	0.630	0.672	101.	10-155	6.43	40	L686698-01	WG709972
2-Chlorotoluene	mg/kg	0.122	0.116	97.5	63.6-128	4.98	20	L686698-01	WG709972
4-Chlorotoluene	mg/kg	0.118	0.116	94.7	65.7-127	1.79	20	L686698-01	WG709972
4-Methyl-2-pentanone (MIBK)	mg/kg	0.648	0.674	104.	60.8-140	3.99	25.1	L686698-01	WG709972
Acetone	mg/kg	1.00	1.01	158.*	10-130	1.02	27.9	L686698-01	WG709972
Acrylonitrile	mg/kg	0.615	0.623	98.4	49.4-133	1.26	25.3	L686698-01	WG709972
Benzene	mg/kg	0.118	0.116	94.7	54.3-133	1.86	20	L686698-01	WG709972
Bromobenzene	mg/kg	0.118	0.118	94.7	63.9-124	0.110	20	L686698-01	WG709972
Bromodichloromethane	mg/kg	0.119	0.119	95.1	63.9-121	0.270	20	L686698-01	WG709972
Bromoform	mg/kg	0.126	0.130	101.	59.5-134	2.92	20.8	L686698-01	WG709972
Bromomethane	mg/kg	0.125	0.106	99.8	41.7-155	15.8	20.5	L686698-01	WG709972
Carbon tetrachloride	mg/kg	0.125	0.124	100.	55.7-134	1.53	20.3	L686698-01	WG709972
Chlorobenzene	mg/kg	0.124	0.123	98.9	67-125	0.800	20	L686698-01	WG709972
Chlorodibromomethane	mg/kg	0.126	0.126	101.	64.3-125	0.210	20	L686698-01	WG709972
Chloroethane	mg/kg	0.134	0.125	107.	51.5-136	6.97	20.8	L686698-01	WG709972
Chloroform	mg/kg	0.124	0.123	99.0	63-129	0.310	20	L686698-01	WG709972
Chloromethane	mg/kg	0.113	0.109	90.4	42.4-135	3.17	20	L686698-01	WG709972
cis-1,3-Dichloropropene	mg/kg	0.123	0.124	98.4	66.4-125	0.400	20	L686698-01	WG709972
Di-isopropyl ether	mg/kg	0.121	0.121	96.7	56.9-136	0.0300	20	L686698-01	WG709972
Dibromomethane	mg/kg	0.128	0.129	102.	68.2-124	1.43	20	L686698-01	WG709972

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Quality Assurance Report
Level II

L686434

March 13, 2014

Analyte	Units	Matrix Spike MSD	Ref	Duplicate %Rec	Limit	RPD	Limit	Ref Samp	Batch
Dichlorodifluoromethane	mg/kg	0.120	0.119	96.0	40.6-144	1.03	20.2	L686698-01	WG709972
Ethylbenzene	mg/kg	0.124	0.122	98.9	61.4-133	1.38	20	L686698-01	WG709972
Hexachloro-1,3-butadiene	mg/kg	0.110	0.103	88.1	55.1-136	7.02	23.6	L686698-01	WG709972
Isopropylbenzene	mg/kg	0.136	0.132	109.	66.8-141	3.28	20	L686698-01	WG709972
Methyl tert-butyl ether	mg/kg	0.120	0.122	95.8	57.7-134	2.17	20	L686698-01	WG709972
Methylene Chloride	mg/kg	0.116	0.116	91.9	58.1-122	0.350	20	L686698-01	WG709972
n-Butylbenzene	mg/kg	0.122	0.120	97.2	62.7-140	1.62	20	L686698-01	WG709972
n-Propylbenzene	mg/kg	0.124	0.120	99.5	10-176	3.30	26.6	L686698-01	WG709972
Naphthalene	mg/kg	0.116	0.117	92.1	58-135	1.17	25.5	L686698-01	WG709972
p-Isopropyltoluene	mg/kg	0.127	0.122	101.	63.2-139	3.97	20.4	L686698-01	WG709972
sec-Butylbenzene	mg/kg	0.122	0.119	97.9	62.2-136	2.53	20.3	L686698-01	WG709972
Styrene	mg/kg	0.129	0.128	103.	66.8-133	1.10	20	L686698-01	WG709972
tert-Butylbenzene	mg/kg	0.124	0.121	98.9	63.3-134	1.96	20.3	L686698-01	WG709972
Toluene	mg/kg	0.121	0.120	95.8	61.4-130	0.530	20	L686698-01	WG709972
trans-1,2-Dichloroethene	mg/kg	0.124	0.121	98.9	56.5-129	1.97	20	L686698-01	WG709972
trans-1,3-Dichloropropene	mg/kg	0.127	0.129	102.	64.1-128	1.34	20	L686698-01	WG709972
Trichlorofluoromethane	mg/kg	0.151	0.147	120.	49.6-145	2.45	21.2	L686698-01	WG709972
Vinyl chloride	mg/kg	0.124	0.119	99.6	47.8-137	4.22	20	L686698-01	WG709972
Xylenes, Total	mg/kg	0.369	0.359	98.4	63.3-131	2.98	20	L686698-01	WG709972
4-Bromofluorobenzene				101.0	71-126				WG709972
Dibromofluoromethane				99.50	78.3-121				WG709972
Toluene-d8				103.0	88.5-111				WG709972
1,1,1,2-Tetrachloroethane	mg/kg	0.0999	0.102	79.9	64-128	2.57	20	L686527-01	WG709863
1,1,1-Trichloroethane	mg/kg	0.104	0.106	83.3	58.7-134	1.45	20	L686527-01	WG709863
1,1,2,2-Tetrachloroethane	mg/kg	0.102	0.101	81.3	56-132	0.470	22.2	L686527-01	WG709863
1,1,2-Trichloroethane	mg/kg	0.108	0.108	86.0	66.3-125	0.750	20	L686527-01	WG709863
1,1,2-Trichlorotrifluoroethane	mg/kg	0.0817	0.0966	65.4	54.8-154	16.7	22.5	L686527-01	WG709863
1,1-Dichloroethane	mg/kg	0.109	0.112	87.5	58.5-132	2.13	20	L686527-01	WG709863
1,1-Dichloroethene	mg/kg	0.111	0.115	89.1	51.1-140	2.91	20.2	L686527-01	WG709863
1,1-Dichloropropene	mg/kg	0.117	0.118	93.9	57.3-136	0.620	20	L686527-01	WG709863
1,2,3-Trichlorobenzene	mg/kg	0.106	0.107	84.4	59.1-138	1.28	23.7	L686527-01	WG709863
1,2,3-Trichloropropane	mg/kg	0.0992	0.0972	79.4	61.4-128	2.07	22.4	L686527-01	WG709863
1,2,3-Trimethylbenzene	mg/kg	0.0901	0.0967	72.1	61.3-122	7.07	20	L686527-01	WG709863
1,2,4-Trichlorobenzene	mg/kg	0.112	0.117	88.9	63.6-143	4.33	21.9	L686527-01	WG709863
1,2,4-Trimethylbenzene	mg/kg	0.105	0.109	84.0	57.4-137	3.53	20	L686527-01	WG709863
1,2-Dibromo-3-Chloropropane	mg/kg	0.0976	0.0948	78.0	57.3-136	2.84	27	L686527-01	WG709863
1,2-Dibromoethane	mg/kg	0.107	0.109	85.5	67.1-125	2.20	20	L686527-01	WG709863
1,2-Dichlorobenzene	mg/kg	0.101	0.106	80.9	68.2-123	4.56	20	L686527-01	WG709863
1,2-Dichloroethane	mg/kg	0.0949	0.0936	76.0	60-126	1.46	20	L686527-01	WG709863
1,2-Dichloropropane	mg/kg	0.107	0.114	85.5	64.2-123	6.48	20	L686527-01	WG709863
1,3,5-Trimethylbenzene	mg/kg	0.106	0.113	85.2	63.6-132	5.74	20.5	L686527-01	WG709863
1,3-Dichlorobenzene	mg/kg	0.102	0.106	81.5	63.1-131	3.86	20	L686527-01	WG709863
1,3-Dichloropropane	mg/kg	0.104	0.105	83.1	67.9-121	1.14	20	L686527-01	WG709863
1,4-Dichlorobenzene	mg/kg	0.104	0.108	83.0	68.6-123	3.68	20	L686527-01	WG709863
2,2-Dichloropropane	mg/kg	0.0976	0.103	78.1	50.5-144	5.56	21.9	L686527-01	WG709863
2-Butanone (MEK)	mg/kg	0.565	0.564	90.4	22.4-138	0.190	27	L686527-01	WG709863
2-Chloroethyl vinyl ether	mg/kg	0.593	0.587	94.8	10-155	0.920	40	L686527-01	WG709863
2-Chlorotoluene	mg/kg	0.103	0.110	82.1	63.6-128	7.24	20	L686527-01	WG709863
4-Chlorotoluene	mg/kg	0.103	0.107	82.0	65.7-127	4.70	20	L686527-01	WG709863
4-Methyl-2-pentanone (MIBK)	mg/kg	0.561	0.546	89.7	60.8-140	2.62	25.1	L686527-01	WG709863
Acetone	mg/kg	0.401	0.394	63.5	10-130	1.72	27.9	L686527-01	WG709863
Acrylonitrile	mg/kg	0.536	0.503	85.8	49.4-133	6.37	25.3	L686527-01	WG709863
Benzene	mg/kg	0.113	0.116	90.8	54.3-133	2.16	20	L686527-01	WG709863
Bromobenzene	mg/kg	0.0979	0.0998	78.3	63.9-124	1.93	20	L686527-01	WG709863
Bromodichloromethane	mg/kg	0.105	0.105	84.0	63.9-121	0.130	20	L686527-01	WG709863
Bromoform	mg/kg	0.105	0.110	83.7	59.5-134	4.91	20.8	L686527-01	WG709863
Bromomethane	mg/kg	0.0916	0.0970	73.3	41.7-155	5.79	20.5	L686527-01	WG709863

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Quality Assurance Report
Level II

L686434

March 13, 2014

Analyte	Units	Matrix Spike MSD	Ref	Duplicate %Rec	Limit	RPD	Limit	Ref Samp	Batch
Carbon tetrachloride	mg/kg	0.108	0.112	86.3	55.7-134	3.84	20.3	L686527-01	WG709863
Chlorobenzene	mg/kg	0.106	0.109	84.5	67-125	3.28	20	L686527-01	WG709863
Chlorodibromomethane	mg/kg	0.104	0.103	83.2	64.3-125	1.24	20	L686527-01	WG709863
Chloroethane	mg/kg	0.0952	0.0936	76.2	51.5-136	1.74	20.8	L686527-01	WG709863
Chloroform	mg/kg	0.106	0.108	84.5	63-129	1.89	20	L686527-01	WG709863
Chloromethane	mg/kg	0.0986	0.101	78.9	42.4-135	2.86	20	L686527-01	WG709863
cis-1,3-Dichloropropene	mg/kg	0.113	0.118	90.0	66.4-125	4.44	20	L686527-01	WG709863
Di-isopropyl ether	mg/kg	0.0975	0.101	78.0	56.9-136	3.16	20	L686527-01	WG709863
Dibromomethane	mg/kg	0.106	0.105	84.7	68.2-124	0.540	20	L686527-01	WG709863
Dichlorodifluoromethane	mg/kg	0.0995	0.106	79.6	40.6-144	6.74	20.2	L686527-01	WG709863
Ethylbenzene	mg/kg	0.113	0.118	90.2	61.4-133	4.28	20	L686527-01	WG709863
Hexachloro-1,3-butadiene	mg/kg	0.106	0.111	84.8	55.1-136	4.44	23.6	L686527-01	WG709863
Isopropylbenzene	mg/kg	0.119	0.123	95.1	66.8-141	3.58	20	L686527-01	WG709863
Methyl tert-butyl ether	mg/kg	0.0949	0.0961	75.9	57.7-134	1.22	20	L686527-01	WG709863
Methylene Chloride	mg/kg	0.0902	0.0936	71.2	58.1-122	3.68	20	L686527-01	WG709863
n-Butylbenzene	mg/kg	0.112	0.124	89.6	62.7-140	10.0	20	L686527-01	WG709863
n-Propylbenzene	mg/kg	0.109	0.113	87.3	10-176	3.71	26.6	L686527-01	WG709863
Naphthalene	mg/kg	0.0977	0.0943	77.4	58-135	3.58	25.5	L686527-01	WG709863
p-Isopropyltoluene	mg/kg	0.113	0.119	90.4	63.2-139	5.51	20.4	L686527-01	WG709863
sec-Butylbenzene	mg/kg	0.113	0.119	90.7	62.2-136	4.71	20.3	L686527-01	WG709863
Styrene	mg/kg	0.114	0.116	91.3	66.8-133	1.74	20	L686527-01	WG709863
tert-Butylbenzene	mg/kg	0.112	0.117	89.8	63.3-134	3.85	20.3	L686527-01	WG709863
Toluene	mg/kg	0.111	0.114	88.7	61.4-130	2.77	20	L686527-01	WG709863
trans-1,2-Dichloroethene	mg/kg	0.108	0.111	86.6	56.5-129	2.73	20	L686527-01	WG709863
trans-1,3-Dichloropropene	mg/kg	0.118	0.115	94.4	64.1-128	2.93	20	L686527-01	WG709863
Trichlorofluoromethane	mg/kg	0.0926	0.0982	74.1	49.6-145	5.79	21.2	L686527-01	WG709863
Vinyl chloride	mg/kg	0.102	0.105	81.8	47.8-137	2.46	20	L686527-01	WG709863
Xylenes, Total	mg/kg	0.328	0.335	87.4	63.3-131	2.24	20	L686527-01	WG709863
4-Bromofluorobenzene				93.30	71-126				WG709863
Dibromofluoromethane				97.20	78.3-121				WG709863
Toluene-d8				102.0	88.5-111				WG709863
1,1,1,2-Tetrachloroethane	mg/kg	0.353	0.361	95.6	64-128	2.23	20	L686902-02	WG710075
1,1,1-Trichloroethane	mg/kg	0.328	0.341	88.9	58.7-134	3.98	20	L686902-02	WG710075
1,1,2,2-Tetrachloroethane	mg/kg	0.299	0.323	81.1	56-132	7.82	22.2	L686902-02	WG710075
1,1,2-Trichloroethane	mg/kg	0.356	0.370	96.5	66.3-125	4.02	20	L686902-02	WG710075
1,1,2-Trichlorotrifluoroethane	mg/kg	0.229	0.247	62.2	54.8-154	7.39	22.5	L686902-02	WG710075
1,1-Dichloroethane	mg/kg	0.318	0.334	86.2	58.5-132	5.09	20	L686902-02	WG710075
1,1-Dichloroethene	mg/kg	0.217	0.234	58.9	51.1-140	7.38	20.2	L686902-02	WG710075
1,1-Dichloropropene	mg/kg	0.346	0.369	93.8	57.3-136	6.48	20	L686902-02	WG710075
1,2,3-Trichlorobenzene	mg/kg	0.327	0.329	88.8	59.1-138	0.440	23.7	L686902-02	WG710075
1,2,3-Trichloropropane	mg/kg	0.322	0.342	87.3	61.4-128	6.09	22.4	L686902-02	WG710075
1,2,3-Trimethylbenzene	mg/kg	0.295	0.302	79.8	61.3-122	2.43	20	L686902-02	WG710075
1,2,4-Trichlorobenzene	mg/kg	0.353	0.368	95.7	63.6-143	4.09	21.9	L686902-02	WG710075
1,2,4-Trimethylbenzene	mg/kg	0.324	0.335	87.6	57.4-137	3.41	20	L686902-02	WG710075
1,2-Dibromo-3-Chloropropane	mg/kg	0.280	0.311	75.9	57.3-136	10.7	27	L686902-02	WG710075
1,2-Dibromoethane	mg/kg	0.348	0.364	94.3	67.1-125	4.45	20	L686902-02	WG710075
1,2-Dichlorobenzene	mg/kg	0.346	0.352	93.9	68.2-123	1.56	20	L686902-02	WG710075
1,2-Dichloroethane	mg/kg	0.361	0.365	98.0	60-126	0.940	20	L686902-02	WG710075
1,2-Dichloropropane	mg/kg	0.325	0.336	88.1	64.2-123	3.17	20	L686902-02	WG710075
1,3,5-Trimethylbenzene	mg/kg	0.335	0.341	90.8	63.6-132	1.73	20.5	L686902-02	WG710075
1,3-Dichlorobenzene	mg/kg	0.341	0.354	92.3	63.1-131	3.64	20	L686902-02	WG710075
1,3-Dichloropropane	mg/kg	0.339	0.353	91.9	67.9-121	3.92	20	L686902-02	WG710075
1,4-Dichlorobenzene	mg/kg	0.354	0.357	96.0	68.6-123	0.730	20	L686902-02	WG710075
2,2-Dichloropropane	mg/kg	0.277	0.279	75.1	50.5-144	0.860	21.9	L686902-02	WG710075
2-Butanone (MEK)	mg/kg	1.50	1.69	81.2	22.4-138	12.3	27	L686902-02	WG710075
2-Chloroethyl vinyl ether	mg/kg	1.85	1.98	100.	10-155	6.74	40	L686902-02	WG710075
2-Chlorotoluene	mg/kg	0.342	0.348	92.7	63.6-128	1.72	20	L686902-02	WG710075

* Performance of this Analyte is outside of established criteria.
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Kennesaw, GA 30144

Quality Assurance Report
Level II

L686434

March 13, 2014

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
4-Chlorotoluene	mg/kg	0.353	0.360	95.8	65.7-127	1.93	20	L686902-02	WG710075
4-Methyl-2-pentanone (MIBK)	mg/kg	1.52	1.64	82.7	60.8-140	7.32	25.1	L686902-02	WG710075
Acetone	mg/kg	1.14	1.32	60.3	10-130	14.6	27.9	L686902-02	WG710075
Acrylonitrile	mg/kg	1.46	1.58	79.2	49.4-133	8.00	25.3	L686902-02	WG710075
Benzene	mg/kg	0.337	0.351	91.3	54.3-133	3.99	20	L686902-02	WG710075
Bromobenzene	mg/kg	0.335	0.340	90.8	63.9-124	1.63	20	L686902-02	WG710075
Bromodichloromethane	mg/kg	0.316	0.326	85.6	63.9-121	3.32	20	L686902-02	WG710075
Bromoform	mg/kg	0.310	0.332	84.2	59.5-134	6.61	20.8	L686902-02	WG710075
Bromomethane	mg/kg	0.149	0.150	40.5*	41.7-155	0.460	20.5	L686902-02	WG710075
Carbon tetrachloride	mg/kg	0.330	0.351	89.4	55.7-134	6.37	20.3	L686902-02	WG710075
Chlorobenzene	mg/kg	0.362	0.367	98.0	67-125	1.50	20	L686902-02	WG710075
Chlorodibromomethane	mg/kg	0.333	0.356	90.3	64.3-125	6.81	20	L686902-02	WG710075
Chloroethane	mg/kg	0.0171	0.00848	4.62*	51.5-136	67.2*	20.8	L686902-02	WG710075
Chloroform	mg/kg	0.333	0.350	90.3	63-129	5.06	20	L686902-02	WG710075
Chloromethane	mg/kg	0.293	0.327	79.4	42.4-135	11.1	20	L686902-02	WG710075
cis-1,2-Dichloroethene	mg/kg	0.339	0.343	91.8	59.2-129	1.33	20	L686902-02	WG710075
cis-1,3-Dichloropropene	mg/kg	0.335	0.349	91.0	66.4-125	3.85	20	L686902-02	WG710075
Di-isopropyl ether	mg/kg	0.304	0.316	82.5	56.9-136	3.69	20	L686902-02	WG710075
Dibromomethane	mg/kg	0.349	0.368	94.8	68.2-124	5.20	20	L686902-02	WG710075
Dichlorodifluoromethane	mg/kg	0.359	0.391	97.4	40.6-144	8.53	20.2	L686902-02	WG710075
Ethylbenzene	mg/kg	0.343	0.354	92.9	61.4-133	3.31	20	L686902-02	WG710075
Hexachloro-1,3-butadiene	mg/kg	0.314	0.318	85.2	55.1-136	1.35	23.6	L686902-02	WG710075
Isopropylbenzene	mg/kg	0.383	0.400	104.	66.8-141	4.29	20	L686902-02	WG710075
Methyl tert-butyl ether	mg/kg	0.296	0.314	80.4	57.7-134	5.68	20	L686902-02	WG710075
Methylene Chloride	mg/kg	0.299	0.316	79.7	58.1-122	5.35	20	L686902-02	WG710075
n-Butylbenzene	mg/kg	0.350	0.362	94.8	62.7-140	3.33	20	L686902-02	WG710075
n-Propylbenzene	mg/kg	0.352	0.364	95.3	10-176	3.37	26.6	L686902-02	WG710075
Naphthalene	mg/kg	0.311	0.322	83.6	58-135	3.38	25.5	L686902-02	WG710075
p-Isopropyltoluene	mg/kg	0.345	0.364	93.5	63.2-139	5.50	20.4	L686902-02	WG710075
sec-Butylbenzene	mg/kg	0.341	0.354	92.5	62.2-136	3.71	20.3	L686902-02	WG710075
Styrene	mg/kg	0.365	0.365	99.0	66.8-133	0.0600	20	L686902-02	WG710075
tert-Butylbenzene	mg/kg	0.353	0.365	95.7	63.3-134	3.40	20.3	L686902-02	WG710075
Tetrachloroethene	mg/kg	0.371	0.381	100.	53-139	2.72	20	L686902-02	WG710075
Toluene	mg/kg	0.333	0.338	89.0	61.4-130	1.55	20	L686902-02	WG710075
trans-1,2-Dichloroethene	mg/kg	0.314	0.328	85.1	56.5-129	4.47	20	L686902-02	WG710075
trans-1,3-Dichloropropene	mg/kg	0.335	0.349	90.9	64.1-128	4.07	20	L686902-02	WG710075
Trichloroethene	mg/kg	0.349	0.369	94.6	44.1-149	5.60	20	L686902-02	WG710075
Trichlorofluoromethane	mg/kg	0.0995	0.0959	27.0*	49.6-145	3.61	21.2	L686902-02	WG710075
Vinyl chloride	mg/kg	0.338	0.372	91.7	47.8-137	9.43	20	L686902-02	WG710075
Xylenes, Total	mg/kg	1.02	1.05	92.3	63.3-131	2.68	20	L686902-02	WG710075
4-Bromofluorobenzene				98.50	71-126				WG710075
Dibromofluoromethane				96.40	78.3-121				WG710075
Toluene-d8				98.20	88.5-111				WG710075
cis-1,2-Dichloroethene	mg/kg	0.0117	0.0142	46.6*	59.2-129	19.4	20	L686913-02	WG710116
Tetrachloroethene	mg/kg	0.00970	0.0110	38.8*	53-139	12.2	20	L686913-02	WG710116
Trichloroethene	mg/kg	0.0106	0.0130	42.5*	44.1-149	19.9	20	L686913-02	WG710116
4-Bromofluorobenzene				98.10	71-126				WG710116
Dibromofluoromethane				103.0	78.3-121				WG710116
Toluene-d8				97.50	88.5-111				WG710116
cis-1,2-Dichloroethene	mg/kg	0.102	0.101	81.9	59.2-129	1.60	20	L687494-01	WG710639
Tetrachloroethene	mg/kg	0.0882	0.0937	70.6	53-139	6.02	20	L687494-01	WG710639
Trichloroethene	mg/kg	0.0978	0.0983	78.2	44.1-149	0.440	20	L687494-01	WG710639
4-Bromofluorobenzene				91.00	71-126				WG710639
Dibromofluoromethane				97.60	78.3-121				WG710639
Toluene-d8				98.80	88.5-111				WG710639

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Quality Assurance Report
Level II

L686434

March 13, 2014

Batch number /Run number / Sample number cross reference

WG709862: R2891433: L686434-03
WG709972: R2891582: L686434-02
WG709595: R2891688: L686434-01 02
WG709596: R2891690: L686434-03 04
WG709863: R2891801: L686434-04
WG710075: R2891872: L686434-01 02
WG710116: R2892187: L686434-03
WG710639: R2892945: L686434-04

* * Calculations are performed prior to rounding of reported values.
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March 13, 2014

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

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Peter Fleury
S&ME Inc. - Kennesaw GA
3380 Town Point Drive Suite 140
Kennesaw, GA 30144

Report Summary

Wednesday April 24, 2013

Report Number: L628891
Samples Received: 04/05/13
Client Project: 1804-13-164

Description: Ideal Cleaners

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Jeff Carr , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.
Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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REPORT OF ANALYSIS

Peter Fleury
S&ME Inc. - Kennesaw GA
3380 Town Point Drive Suite 140
Kennesaw, GA 30144

April 24,2013

ESC Sample # : L628891-01

Site ID :

Project # : 1804-13-164

Date Received : April 05, 2013
Description : Ideal Cleaners

Sample ID : B-1 0-5 FT

Collected By : Chris Miller
Collection Date : 04/02/13 11:40

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	84.5	0.0333	0.100	%		2540 G-2	04/08/13	1
Volatile Organics								
Acetone	U	3.8	23.	mg/kg		8260B	04/06/13	385
Acrylonitrile	U	0.69	4.6	mg/kg		8260B	04/06/13	385
Benzene	U	0.10	0.46	mg/kg		8260B	04/06/13	385
Bromobenzene	U	0.11	0.46	mg/kg		8260B	04/06/13	385
Bromodichloromethane	U	0.098	0.46	mg/kg		8260B	04/06/13	385
Bromoform	U	0.16	0.46	mg/kg		8260B	04/06/13	385
Bromomethane	U	0.52	2.3	mg/kg		8260B	04/06/13	385
n-Butylbenzene	U	0.099	0.46	mg/kg		8260B	04/06/13	385
sec-Butylbenzene	U	0.077	0.46	mg/kg		8260B	04/06/13	385
tert-Butylbenzene	U	0.079	0.46	mg/kg		8260B	04/06/13	385
Carbon tetrachloride	U	0.13	0.46	mg/kg		8260B	04/06/13	385
Chlorobenzene	U	0.082	0.46	mg/kg		8260B	04/06/13	385
Chlorodibromomethane	U	0.14	0.46	mg/kg		8260B	04/06/13	385
Chloroethane	U	0.36	2.3	mg/kg		8260B	04/06/13	385
2-Chloroethyl vinyl ether	U	0.90	23.	mg/kg		8260B	04/06/13	385
Chloroform	U	0.088	2.3	mg/kg		8260B	04/06/13	385
Chloromethane	U	0.14	1.1	mg/kg		8260B	04/06/13	385
2-Chlorotoluene	U	0.12	0.46	mg/kg		8260B	04/06/13	385
4-Chlorotoluene	U	0.092	0.46	mg/kg		8260B	04/06/13	385
1,2-Dibromo-3-Chloropropane	U	0.40	2.3	mg/kg		8260B	04/06/13	385
1,2-Dibromoethane	U	0.13	0.46	mg/kg		8260B	04/06/13	385
Dibromomethane	U	0.15	0.46	mg/kg		8260B	04/06/13	385
1,2-Dichlorobenzene	U	0.12	0.46	mg/kg		8260B	04/06/13	385
1,3-Dichlorobenzene	U	0.092	0.46	mg/kg		8260B	04/06/13	385
1,4-Dichlorobenzene	U	0.087	0.46	mg/kg		8260B	04/06/13	385
Dichlorodifluoromethane	U	0.27	2.3	mg/kg		8260B	04/06/13	385
1,1-Dichloroethane	U	0.077	0.46	mg/kg		8260B	04/06/13	385
1,2-Dichloroethane	U	0.10	0.46	mg/kg		8260B	04/06/13	385
1,1-Dichloroethene	U	0.12	0.46	mg/kg		8260B	04/06/13	385
cis-1,2-Dichloroethene	6.9	0.090	0.46	mg/kg		8260B	04/06/13	385
trans-1,2-Dichloroethene	U	0.10	0.46	mg/kg		8260B	04/06/13	385
1,2-Dichloropropane	U	0.14	0.46	mg/kg		8260B	04/06/13	385
1,1-Dichloropropene	U	0.12	0.46	mg/kg		8260B	04/06/13	385
1,3-Dichloropropane	U	0.080	0.46	mg/kg		8260B	04/06/13	385
cis-1,3-Dichloropropene	U	0.10	0.46	mg/kg		8260B	04/06/13	385
trans-1,3-Dichloropropene	U	0.10	0.46	mg/kg		8260B	04/06/13	385
2,2-Dichloropropane	U	0.11	0.46	mg/kg		8260B	04/06/13	385
Di-isopropyl ether	U	0.095	0.46	mg/kg		8260B	04/06/13	385
Ethylbenzene	U	0.11	0.46	mg/kg		8260B	04/06/13	385
Hexachloro-1,3-butadiene	U	0.13	0.46	mg/kg		8260B	04/06/13	385

Results listed are dry weight basis.
U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
Note:

The reported analytical results relate only to the sample submitted
Reported: 04/23/13 15:16 Revised: 04/24/13 11:13

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Peter Fleury
S&ME Inc. - Kennesaw GA
3380 Town Point Drive Suite 140
Kennesaw, GA 30144

April 24,2013

Date Received : April 05, 2013
Description : Ideal Cleaners

Sample ID : B-1 0-5 FT

Collected By : Chris Miller
Collection Date : 04/02/13 11:40

ESC Sample # : L628891-01

Site ID :

Project # : 1804-13-164

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Isopropylbenzene	U	0.094	0.46	mg/kg		8260B	04/06/13	385
p-Isopropyltoluene	U	0.078	0.46	mg/kg		8260B	04/06/13	385
2-Butanone (MEK)	U	1.8	4.6	mg/kg		8260B	04/06/13	385
Methylene Chloride	U	0.38	2.3	mg/kg		8260B	04/06/13	385
4-Methyl-2-pentanone (MIBK)	U	0.72	4.6	mg/kg		8260B	04/06/13	385
Methyl tert-butyl ether	U	0.082	0.46	mg/kg		8260B	04/06/13	385
Naphthalene	U	0.38	2.3	mg/kg		8260B	04/06/13	385
n-Propylbenzene	U	0.079	0.46	mg/kg		8260B	04/06/13	385
Styrene	U	0.090	0.46	mg/kg		8260B	04/06/13	385
1,1,1,2-Tetrachloroethane	U	0.10	0.46	mg/kg		8260B	04/06/13	385
1,1,2,2-Tetrachloroethane	U	0.14	0.46	mg/kg		8260B	04/06/13	385
1,1,2-Trichlorotrifluoroethane	U	0.14	0.46	mg/kg		8260B	04/06/13	385
Tetrachloroethene	15.	0.11	0.46	mg/kg		8260B	04/06/13	385
Toluene	U	0.17	2.3	mg/kg		8260B	04/06/13	385
1,2,3-Trichlorobenzene	U	0.12	0.46	mg/kg		8260B	04/06/13	385
1,2,4-Trichlorobenzene	U	0.15	0.46	mg/kg		8260B	04/06/13	385
1,1,1-Trichloroethane	U	0.11	0.46	mg/kg		8260B	04/06/13	385
1,1,2-Trichloroethane	U	0.11	0.46	mg/kg		8260B	04/06/13	385
Trichloroethene	1.1	0.11	0.46	mg/kg		8260B	04/06/13	385
Trichlorofluoromethane	U	0.15	2.3	mg/kg		8260B	04/06/13	385
1,2,3-Trichloropropane	U	0.28	1.1	mg/kg		8260B	04/06/13	385
1,2,4-Trimethylbenzene	0.18	0.081	0.46	mg/kg	J	8260B	04/06/13	385
1,2,3-Trimethylbenzene	U	0.11	0.46	mg/kg		8260B	04/06/13	385
1,3,5-Trimethylbenzene	U	0.10	0.46	mg/kg		8260B	04/06/13	385
Vinyl chloride	U	0.11	0.46	mg/kg		8260B	04/06/13	385
Xylenes, Total	U	0.27	1.4	mg/kg		8260B	04/06/13	385
Surrogate Recovery								
Toluene-d8	102.			% Rec.		8260B	04/06/13	385
Dibromofluoromethane	98.5			% Rec.		8260B	04/06/13	385
4-Bromofluorobenzene	103.			% Rec.		8260B	04/06/13	385

Results listed are dry weight basis.
U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
Note:

The reported analytical results relate only to the sample submitted
Reported: 04/23/13 15:16 Revised: 04/24/13 11:13

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REPORT OF ANALYSIS

Peter Fleury
S&ME Inc. - Kennesaw GA
3380 Town Point Drive Suite 140
Kennesaw, GA 30144

April 24,2013

ESC Sample # : L628891-02

Site ID :

Project # : 1804-13-164

Date Received : April 05, 2013
Description : Ideal Cleaners

Sample ID : B-2 0-4 FT

Collected By : Chris Miller
Collection Date : 04/02/13 10:40

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	89.9	0.0333	0.100	%		2540 G-2	04/08/13	1
Volatile Organics								
Acetone	U	1.5	8.1	mg/kg		8260B	04/06/13	146
Acrylonitrile	U	0.26	1.6	mg/kg		8260B	04/06/13	146
Benzene	U	0.039	0.16	mg/kg		8260B	04/06/13	146
Bromobenzene	U	0.041	0.16	mg/kg		8260B	04/06/13	146
Bromodichloromethane	U	0.037	0.16	mg/kg		8260B	04/06/13	146
Bromoform	U	0.062	0.16	mg/kg		8260B	04/06/13	146
Bromomethane	U	0.20	0.81	mg/kg		8260B	04/06/13	146
n-Butylbenzene	U	0.038	0.16	mg/kg		8260B	04/06/13	146
sec-Butylbenzene	U	0.029	0.16	mg/kg		8260B	04/06/13	146
tert-Butylbenzene	U	0.030	0.16	mg/kg		8260B	04/06/13	146
Carbon tetrachloride	U	0.048	0.16	mg/kg		8260B	04/06/13	146
Chlorobenzene	U	0.031	0.16	mg/kg		8260B	04/06/13	146
Chlorodibromomethane	U	0.054	0.16	mg/kg		8260B	04/06/13	146
Chloroethane	U	0.14	0.81	mg/kg		8260B	04/06/13	146
2-Chloroethyl vinyl ether	U	0.34	8.1	mg/kg		8260B	04/06/13	146
Chloroform	U	0.033	0.81	mg/kg		8260B	04/06/13	146
Chloromethane	U	0.055	0.41	mg/kg		8260B	04/06/13	146
2-Chlorotoluene	U	0.044	0.16	mg/kg		8260B	04/06/13	146
4-Chlorotoluene	U	0.035	0.16	mg/kg		8260B	04/06/13	146
1,2-Dibromo-3-Chloropropane	U	0.15	0.81	mg/kg		8260B	04/06/13	146
1,2-Dibromoethane	U	0.050	0.16	mg/kg		8260B	04/06/13	146
Dibromomethane	U	0.056	0.16	mg/kg		8260B	04/06/13	146
1,2-Dichlorobenzene	U	0.044	0.16	mg/kg		8260B	04/06/13	146
1,3-Dichlorobenzene	U	0.035	0.16	mg/kg		8260B	04/06/13	146
1,4-Dichlorobenzene	U	0.033	0.16	mg/kg		8260B	04/06/13	146
Dichlorodifluoromethane	U	0.10	0.81	mg/kg		8260B	04/06/13	146
1,1-Dichloroethane	U	0.029	0.16	mg/kg		8260B	04/06/13	146
1,2-Dichloroethane	U	0.039	0.16	mg/kg		8260B	04/06/13	146
1,1-Dichloroethene	U	0.044	0.16	mg/kg		8260B	04/06/13	146
cis-1,2-Dichloroethene	0.067	0.034	0.16	mg/kg	J	8260B	04/06/13	146
trans-1,2-Dichloroethene	U	0.038	0.16	mg/kg		8260B	04/06/13	146
1,2-Dichloropropane	U	0.052	0.16	mg/kg		8260B	04/06/13	146
1,1-Dichloropropene	U	0.046	0.16	mg/kg		8260B	04/06/13	146
1,3-Dichloropropane	U	0.030	0.16	mg/kg		8260B	04/06/13	146
cis-1,3-Dichloropropene	U	0.038	0.16	mg/kg		8260B	04/06/13	146
trans-1,3-Dichloropropene	U	0.039	0.16	mg/kg		8260B	04/06/13	146
2,2-Dichloropropane	U	0.041	0.16	mg/kg		8260B	04/06/13	146
Di-isopropyl ether	U	0.036	0.16	mg/kg		8260B	04/06/13	146
Ethylbenzene	U	0.043	0.16	mg/kg		8260B	04/06/13	146
Hexachloro-1,3-butadiene	U	0.050	0.16	mg/kg		8260B	04/06/13	146

Results listed are dry weight basis.
U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
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REPORT OF ANALYSIS

Peter Fleury
S&ME Inc. - Kennesaw GA
3380 Town Point Drive Suite 140
Kennesaw, GA 30144

April 24,2013

Date Received : April 05, 2013
Description : Ideal Cleaners

Sample ID : B-2 0-4 FT

Collected By : Chris Miller
Collection Date : 04/02/13 10:40

ESC Sample # : L628891-02

Site ID :

Project # : 1804-13-164

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Isopropylbenzene	U	0.035	0.16	mg/kg		8260B	04/06/13	146
p-Isopropyltoluene	U	0.030	0.16	mg/kg		8260B	04/06/13	146
2-Butanone (MEK)	U	0.68	1.6	mg/kg		8260B	04/06/13	146
Methylene Chloride	U	0.15	0.81	mg/kg		8260B	04/06/13	146
4-Methyl-2-pentanone (MIBK)	U	0.27	1.6	mg/kg		8260B	04/06/13	146
Methyl tert-butyl ether	U	0.031	0.16	mg/kg		8260B	04/06/13	146
Naphthalene	U	0.15	0.81	mg/kg		8260B	04/06/13	146
n-Propylbenzene	U	0.030	0.16	mg/kg		8260B	04/06/13	146
Styrene	U	0.034	0.16	mg/kg		8260B	04/06/13	146
1,1,1,2-Tetrachloroethane	U	0.038	0.16	mg/kg		8260B	04/06/13	146
1,1,2,2-Tetrachloroethane	U	0.053	0.16	mg/kg		8260B	04/06/13	146
1,1,2-Trichlorotrifluoroethane	U	0.053	0.16	mg/kg		8260B	04/06/13	146
Tetrachloroethene	22.	0.040	0.16	mg/kg		8260B	04/06/13	146
Toluene	U	0.063	0.81	mg/kg		8260B	04/06/13	146
1,2,3-Trichlorobenzene	U	0.045	0.16	mg/kg		8260B	04/06/13	146
1,2,4-Trichlorobenzene	U	0.057	0.16	mg/kg		8260B	04/06/13	146
1,1,1-Trichloroethane	U	0.042	0.16	mg/kg		8260B	04/06/13	146
1,1,2-Trichloroethane	U	0.040	0.16	mg/kg		8260B	04/06/13	146
Trichloroethene	0.086	0.041	0.16	mg/kg	J	8260B	04/06/13	146
Trichlorofluoromethane	U	0.056	0.81	mg/kg		8260B	04/06/13	146
1,2,3-Trichloropropane	U	0.11	0.41	mg/kg		8260B	04/06/13	146
1,2,4-Trimethylbenzene	U	0.031	0.16	mg/kg		8260B	04/06/13	146
1,2,3-Trimethylbenzene	U	0.042	0.16	mg/kg		8260B	04/06/13	146
1,3,5-Trimethylbenzene	U	0.039	0.16	mg/kg		8260B	04/06/13	146
Vinyl chloride	U	0.042	0.16	mg/kg		8260B	04/06/13	146
Xylenes, Total	0.12	0.10	0.49	mg/kg	J	8260B	04/06/13	146
Surrogate Recovery								
Toluene-d8	99.9			% Rec.		8260B	04/06/13	146
Dibromofluoromethane	98.1			% Rec.		8260B	04/06/13	146
4-Bromofluorobenzene	103.			% Rec.		8260B	04/06/13	146

Results listed are dry weight basis.
U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
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REPORT OF ANALYSIS

Peter Fleury
S&ME Inc. - Kennesaw GA
3380 Town Point Drive Suite 140
Kennesaw, GA 30144

April 24,2013

ESC Sample # : L628891-03

Site ID :

Project # : 1804-13-164

Date Received : April 05, 2013
Description : Ideal Cleaners

Sample ID : B-3 0-2.5 FT

Collected By : Chris Miller
Collection Date : 04/02/13 10:55

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	76.6	0.0333	0.100	%		2540 G-2	04/08/13	1
Volatile Organics								
Acetone	0.14	0.010	0.065	mg/kg		8260B	04/06/13	1
Acrylonitrile	U	0.0018	0.013	mg/kg		8260B	04/06/13	1
Benzene	U	0.00027	0.0013	mg/kg		8260B	04/06/13	1
Bromobenzene	U	0.00028	0.0013	mg/kg		8260B	04/06/13	1
Bromodichloromethane	U	0.00025	0.0013	mg/kg		8260B	04/06/13	1
Bromoform	U	0.00042	0.0013	mg/kg		8260B	04/06/13	1
Bromomethane	U	0.0013	0.0065	mg/kg		8260B	04/06/13	1
n-Butylbenzene	U	0.00026	0.0013	mg/kg		8260B	04/06/13	1
sec-Butylbenzene	U	0.00020	0.0013	mg/kg		8260B	04/06/13	1
tert-Butylbenzene	U	0.00021	0.0013	mg/kg		8260B	04/06/13	1
Carbon tetrachloride	U	0.00033	0.0013	mg/kg		8260B	04/06/13	1
Chlorobenzene	U	0.00021	0.0013	mg/kg		8260B	04/06/13	1
Chlorodibromomethane	U	0.00037	0.0013	mg/kg		8260B	04/06/13	1
Chloroethane	U	0.00095	0.0065	mg/kg		8260B	04/06/13	1
2-Chloroethyl vinyl ether	U	0.0023	0.065	mg/kg		8260B	04/06/13	1
Chloroform	U	0.00023	0.0065	mg/kg		8260B	04/06/13	1
Chloromethane	U	0.00038	0.0033	mg/kg		8260B	04/06/13	1
2-Chlorotoluene	U	0.00030	0.0013	mg/kg		8260B	04/06/13	1
4-Chlorotoluene	U	0.00024	0.0013	mg/kg		8260B	04/06/13	1
1,2-Dibromo-3-Chloropropane	U	0.0010	0.0065	mg/kg		8260B	04/06/13	1
1,2-Dibromoethane	U	0.00034	0.0013	mg/kg		8260B	04/06/13	1
Dibromomethane	U	0.00038	0.0013	mg/kg		8260B	04/06/13	1
1,2-Dichlorobenzene	U	0.00030	0.0013	mg/kg		8260B	04/06/13	1
1,3-Dichlorobenzene	U	0.00024	0.0013	mg/kg		8260B	04/06/13	1
1,4-Dichlorobenzene	U	0.00023	0.0013	mg/kg		8260B	04/06/13	1
Dichlorodifluoromethane	U	0.00071	0.0065	mg/kg		8260B	04/06/13	1
1,1-Dichloroethane	U	0.00020	0.0013	mg/kg		8260B	04/06/13	1
1,2-Dichloroethane	U	0.00026	0.0013	mg/kg		8260B	04/06/13	1
1,1-Dichloroethene	U	0.00030	0.0013	mg/kg		8260B	04/06/13	1
cis-1,2-Dichloroethene	0.022	0.00024	0.0013	mg/kg		8260B	04/06/13	1
trans-1,2-Dichloroethene	U	0.00026	0.0013	mg/kg		8260B	04/06/13	1
1,2-Dichloropropane	U	0.00036	0.0013	mg/kg		8260B	04/06/13	1
1,1-Dichloropropene	U	0.00032	0.0013	mg/kg		8260B	04/06/13	1
1,3-Dichloropropane	U	0.00021	0.0013	mg/kg		8260B	04/06/13	1
cis-1,3-Dichloropropene	U	0.00026	0.0013	mg/kg		8260B	04/06/13	1
trans-1,3-Dichloropropene	U	0.00027	0.0013	mg/kg		8260B	04/06/13	1
2,2-Dichloropropane	U	0.00028	0.0013	mg/kg		8260B	04/06/13	1
Di-isopropyl ether	U	0.00025	0.0013	mg/kg		8260B	04/06/13	1
Ethylbenzene	U	0.00030	0.0013	mg/kg		8260B	04/06/13	1
Hexachloro-1,3-butadiene	U	0.00034	0.0013	mg/kg		8260B	04/06/13	1

Results listed are dry weight basis.
U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
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REPORT OF ANALYSIS

Peter Fleury
S&ME Inc. - Kennesaw GA
3380 Town Point Drive Suite 140
Kennesaw, GA 30144

April 24,2013

Date Received : April 05, 2013
Description : Ideal Cleaners

Sample ID : B-3 0-2.5 FT

Collected By : Chris Miller
Collection Date : 04/02/13 10:55

ESC Sample # : L628891-03

Site ID :

Project # : 1804-13-164

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Isopropylbenzene	U	0.00024	0.0013	mg/kg		8260B	04/06/13	1
p-Isopropyltoluene	U	0.00020	0.0013	mg/kg		8260B	04/06/13	1
2-Butanone (MEK)	0.012	0.0047	0.013	mg/kg	J	8260B	04/06/13	1
Methylene Chloride	U	0.0010	0.0065	mg/kg		8260B	04/06/13	1
4-Methyl-2-pentanone (MIBK)	U	0.0019	0.013	mg/kg		8260B	04/06/13	1
Methyl tert-butyl ether	U	0.00021	0.0013	mg/kg		8260B	04/06/13	1
Naphthalene	U	0.0010	0.0065	mg/kg		8260B	04/06/13	1
n-Propylbenzene	U	0.00021	0.0013	mg/kg		8260B	04/06/13	1
Styrene	U	0.00023	0.0013	mg/kg		8260B	04/06/13	1
1,1,1,2-Tetrachloroethane	U	0.00026	0.0013	mg/kg		8260B	04/06/13	1
1,1,2,2-Tetrachloroethane	U	0.00036	0.0013	mg/kg		8260B	04/06/13	1
1,1,2-Trichlorotrifluoroethane	U	0.00036	0.0013	mg/kg		8260B	04/06/13	1
Tetrachloroethene	0.011	0.00028	0.0013	mg/kg		8260B	04/06/13	1
Toluene	U	0.00043	0.0065	mg/kg		8260B	04/06/13	1
1,2,3-Trichlorobenzene	U	0.00031	0.0013	mg/kg		8260B	04/06/13	1
1,2,4-Trichlorobenzene	U	0.00039	0.0013	mg/kg		8260B	04/06/13	1
1,1,1-Trichloroethane	U	0.00029	0.0013	mg/kg		8260B	04/06/13	1
1,1,2-Trichloroethane	U	0.00028	0.0013	mg/kg		8260B	04/06/13	1
Trichloroethene	0.0023	0.00028	0.0013	mg/kg		8260B	04/06/13	1
Trichlorofluoromethane	U	0.00038	0.0065	mg/kg		8260B	04/06/13	1
1,2,3-Trichloropropane	U	0.00074	0.0033	mg/kg		8260B	04/06/13	1
1,2,4-Trimethylbenzene	U	0.00021	0.0013	mg/kg		8260B	04/06/13	1
1,2,3-Trimethylbenzene	U	0.00029	0.0013	mg/kg		8260B	04/06/13	1
1,3,5-Trimethylbenzene	U	0.00027	0.0013	mg/kg		8260B	04/06/13	1
Vinyl chloride	U	0.00029	0.0013	mg/kg		8260B	04/06/13	1
Xylenes, Total	U	0.00070	0.0039	mg/kg		8260B	04/06/13	1
Surrogate Recovery								
Toluene-d8	102.			% Rec.		8260B	04/06/13	1
Dibromofluoromethane	103.			% Rec.		8260B	04/06/13	1
4-Bromofluorobenzene	98.4			% Rec.		8260B	04/06/13	1

Results listed are dry weight basis.
U = ND (Not Detected)
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REPORT OF ANALYSIS

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S&ME Inc. - Kennesaw GA
3380 Town Point Drive Suite 140
Kennesaw, GA 30144

April 24,2013

ESC Sample # : L628891-04

Site ID :

Project # : 1804-13-164

Date Received : April 05, 2013
Description : Ideal Cleaners

Sample ID : B-4 0-2.5 FT

Collected By : Chris Miller
Collection Date : 04/02/13 11:05

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	83.9	0.0333	0.100	%		2540 G-2	04/08/13	1
Volatile Organics								
Acetone	0.026	0.010	0.060	mg/kg	J	8260B	04/06/13	1
Acrylonitrile	U	0.0018	0.012	mg/kg		8260B	04/06/13	1
Benzene	U	0.00027	0.0012	mg/kg		8260B	04/06/13	1
Bromobenzene	U	0.00028	0.0012	mg/kg		8260B	04/06/13	1
Bromodichloromethane	U	0.00025	0.0012	mg/kg		8260B	04/06/13	1
Bromoform	U	0.00042	0.0012	mg/kg		8260B	04/06/13	1
Bromomethane	U	0.0013	0.0060	mg/kg		8260B	04/06/13	1
n-Butylbenzene	U	0.00026	0.0012	mg/kg		8260B	04/06/13	1
sec-Butylbenzene	U	0.00020	0.0012	mg/kg		8260B	04/06/13	1
tert-Butylbenzene	U	0.00021	0.0012	mg/kg		8260B	04/06/13	1
Carbon tetrachloride	U	0.00033	0.0012	mg/kg		8260B	04/06/13	1
Chlorobenzene	U	0.00021	0.0012	mg/kg		8260B	04/06/13	1
Chlorodibromomethane	U	0.00037	0.0012	mg/kg		8260B	04/06/13	1
Chloroethane	U	0.00095	0.0060	mg/kg		8260B	04/06/13	1
2-Chloroethyl vinyl ether	U	0.0023	0.060	mg/kg		8260B	04/06/13	1
Chloroform	U	0.00023	0.0060	mg/kg		8260B	04/06/13	1
Chloromethane	U	0.00038	0.0030	mg/kg		8260B	04/06/13	1
2-Chlorotoluene	U	0.00030	0.0012	mg/kg		8260B	04/06/13	1
4-Chlorotoluene	U	0.00024	0.0012	mg/kg		8260B	04/06/13	1
1,2-Dibromo-3-Chloropropane	U	0.0010	0.0060	mg/kg		8260B	04/06/13	1
1,2-Dibromoethane	U	0.00034	0.0012	mg/kg		8260B	04/06/13	1
Dibromomethane	U	0.00038	0.0012	mg/kg		8260B	04/06/13	1
1,2-Dichlorobenzene	U	0.00030	0.0012	mg/kg		8260B	04/06/13	1
1,3-Dichlorobenzene	U	0.00024	0.0012	mg/kg		8260B	04/06/13	1
1,4-Dichlorobenzene	U	0.00023	0.0012	mg/kg		8260B	04/06/13	1
Dichlorodifluoromethane	U	0.00071	0.0060	mg/kg		8260B	04/06/13	1
1,1-Dichloroethane	U	0.00020	0.0012	mg/kg		8260B	04/06/13	1
1,2-Dichloroethane	U	0.00026	0.0012	mg/kg		8260B	04/06/13	1
1,1-Dichloroethene	U	0.00030	0.0012	mg/kg		8260B	04/06/13	1
cis-1,2-Dichloroethene	0.0070	0.00024	0.0012	mg/kg		8260B	04/06/13	1
trans-1,2-Dichloroethene	U	0.00026	0.0012	mg/kg		8260B	04/06/13	1
1,2-Dichloropropane	U	0.00036	0.0012	mg/kg		8260B	04/06/13	1
1,1-Dichloropropene	U	0.00032	0.0012	mg/kg		8260B	04/06/13	1
1,3-Dichloropropane	U	0.00021	0.0012	mg/kg		8260B	04/06/13	1
cis-1,3-Dichloropropene	U	0.00026	0.0012	mg/kg		8260B	04/06/13	1
trans-1,3-Dichloropropene	U	0.00027	0.0012	mg/kg		8260B	04/06/13	1
2,2-Dichloropropane	U	0.00028	0.0012	mg/kg		8260B	04/06/13	1
Di-isopropyl ether	U	0.00025	0.0012	mg/kg		8260B	04/06/13	1
Ethylbenzene	U	0.00030	0.0012	mg/kg		8260B	04/06/13	1
Hexachloro-1,3-butadiene	U	0.00034	0.0012	mg/kg		8260B	04/06/13	1

Results listed are dry weight basis.
U = ND (Not Detected)
MDL = Minimum Detection Limit = LOD = TRRP SDL
RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
Note:

The reported analytical results relate only to the sample submitted
Reported: 04/23/13 15:16 Revised: 04/24/13 11:13

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REPORT OF ANALYSIS

Peter Fleury
S&ME Inc. - Kennesaw GA
3380 Town Point Drive Suite 140
Kennesaw, GA 30144

April 24,2013

Date Received : April 05, 2013
Description : Ideal Cleaners

Sample ID : B-4 0-2.5 FT

Collected By : Chris Miller
Collection Date : 04/02/13 11:05

ESC Sample # : L628891-04

Site ID :

Project # : 1804-13-164

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Isopropylbenzene	U	0.00024	0.0012	mg/kg		8260B	04/06/13	1
p-Isopropyltoluene	U	0.00020	0.0012	mg/kg		8260B	04/06/13	1
2-Butanone (MEK)	U	0.0047	0.012	mg/kg		8260B	04/06/13	1
Methylene Chloride	U	0.0010	0.0060	mg/kg		8260B	04/06/13	1
4-Methyl-2-pentanone (MIBK)	U	0.0019	0.012	mg/kg		8260B	04/06/13	1
Methyl tert-butyl ether	U	0.00021	0.0012	mg/kg		8260B	04/06/13	1
Naphthalene	U	0.0010	0.0060	mg/kg		8260B	04/06/13	1
n-Propylbenzene	U	0.00021	0.0012	mg/kg		8260B	04/06/13	1
Styrene	U	0.00023	0.0012	mg/kg		8260B	04/06/13	1
1,1,1,2-Tetrachloroethane	U	0.00026	0.0012	mg/kg		8260B	04/06/13	1
1,1,2,2-Tetrachloroethane	U	0.00036	0.0012	mg/kg		8260B	04/06/13	1
1,1,2-Trichlorotrifluoroethane	U	0.00036	0.0012	mg/kg		8260B	04/06/13	1
Tetrachloroethene	0.038	0.00028	0.0012	mg/kg		8260B	04/06/13	1
Toluene	U	0.00043	0.0060	mg/kg		8260B	04/06/13	1
1,2,3-Trichlorobenzene	U	0.00031	0.0012	mg/kg		8260B	04/06/13	1
1,2,4-Trichlorobenzene	U	0.00039	0.0012	mg/kg		8260B	04/06/13	1
1,1,1-Trichloroethane	U	0.00029	0.0012	mg/kg		8260B	04/06/13	1
1,1,2-Trichloroethane	U	0.00028	0.0012	mg/kg		8260B	04/06/13	1
Trichloroethene	0.00044	0.00028	0.0012	mg/kg	J	8260B	04/06/13	1
Trichlorofluoromethane	U	0.00038	0.0060	mg/kg		8260B	04/06/13	1
1,2,3-Trichloropropane	U	0.00074	0.0030	mg/kg		8260B	04/06/13	1
1,2,4-Trimethylbenzene	U	0.00021	0.0012	mg/kg		8260B	04/06/13	1
1,2,3-Trimethylbenzene	U	0.00029	0.0012	mg/kg		8260B	04/06/13	1
1,3,5-Trimethylbenzene	U	0.00027	0.0012	mg/kg		8260B	04/06/13	1
Vinyl chloride	U	0.00029	0.0012	mg/kg		8260B	04/06/13	1
Xylenes, Total	U	0.00070	0.0036	mg/kg		8260B	04/06/13	1
Surrogate Recovery								
Toluene-d8	99.7			% Rec.		8260B	04/06/13	1
Dibromofluoromethane	100.			% Rec.		8260B	04/06/13	1
4-Bromofluorobenzene	96.3			% Rec.		8260B	04/06/13	1

Results listed are dry weight basis.
U = ND (Not Detected)
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RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL
Note:

The reported analytical results relate only to the sample submitted
Reported: 04/23/13 15:16 Revised: 04/24/13 11:13

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L628891-01	WG654858	SAMP	1,2,4-Trimethylbenzene	R2606103	J
L628891-02	WG654858	SAMP	cis-1,2-Dichloroethene	R2606103	J
	WG654858	SAMP	Trichloroethene	R2606103	J
	WG654858	SAMP	Xylenes, Total	R2606103	J
L628891-03	WG654858	SAMP	2-Butanone (MEK)	R2606103	J
L628891-04	WG654858	SAMP	Acetone	R2606103	J
	WG654858	SAMP	Trichloroethene	R2606103	J

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

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3380 Town Point Drive Suite 140
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Quality Assurance Report
Level II

L628891

April 24, 2013

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Total Solids	< .1	%			WG654863	04/08/13 09:35
Total Solids	< .1	%			WG654874	04/08/13 09:54
1,1,1,2-Tetrachloroethane	< .001	mg/kg			WG654858	04/06/13 11:29
1,1,1-Trichloroethane	< .001	mg/kg			WG654858	04/06/13 11:29
1,1,2,2-Tetrachloroethane	< .001	mg/kg			WG654858	04/06/13 11:29
1,1,2-Trichloroethane	< .001	mg/kg			WG654858	04/06/13 11:29
1,1,2-Trichlorotrifluoroethane	< .001	mg/kg			WG654858	04/06/13 11:29
1,1-Dichloroethane	< .001	mg/kg			WG654858	04/06/13 11:29
1,1-Dichloroethene	< .001	mg/kg			WG654858	04/06/13 11:29
1,1-Dichloropropene	< .001	mg/kg			WG654858	04/06/13 11:29
1,2,3-Trichlorobenzene	< .001	mg/kg			WG654858	04/06/13 11:29
1,2,3-Trichloropropane	< .0025	mg/kg			WG654858	04/06/13 11:29
1,2,3-Trimethylbenzene	< .001	mg/kg			WG654858	04/06/13 11:29
1,2,4-Trichlorobenzene	< .001	mg/kg			WG654858	04/06/13 11:29
1,2,4-Trimethylbenzene	< .001	mg/kg			WG654858	04/06/13 11:29
1,2-Dibromo-3-Chloropropane	< .005	mg/kg			WG654858	04/06/13 11:29
1,2-Dibromoethane	< .001	mg/kg			WG654858	04/06/13 11:29
1,2-Dichlorobenzene	< .001	mg/kg			WG654858	04/06/13 11:29
1,2-Dichloroethane	< .001	mg/kg			WG654858	04/06/13 11:29
1,2-Dichloropropane	< .001	mg/kg			WG654858	04/06/13 11:29
1,3,5-Trimethylbenzene	< .001	mg/kg			WG654858	04/06/13 11:29
1,3-Dichlorobenzene	< .001	mg/kg			WG654858	04/06/13 11:29
1,3-Dichloropropane	< .001	mg/kg			WG654858	04/06/13 11:29
1,4-Dichlorobenzene	< .001	mg/kg			WG654858	04/06/13 11:29
2,2-Dichloropropane	< .001	mg/kg			WG654858	04/06/13 11:29
2-Butanone (MEK)	< .01	mg/kg			WG654858	04/06/13 11:29
2-Chloroethyl vinyl ether	< .05	mg/kg			WG654858	04/06/13 11:29
2-Chlorotoluene	< .001	mg/kg			WG654858	04/06/13 11:29
4-Chlorotoluene	< .001	mg/kg			WG654858	04/06/13 11:29
4-Methyl-2-pentanone (MIBK)	< .01	mg/kg			WG654858	04/06/13 11:29
Acetone	< .05	mg/kg			WG654858	04/06/13 11:29
Acrylonitrile	< .01	mg/kg			WG654858	04/06/13 11:29
Benzene	< .001	mg/kg			WG654858	04/06/13 11:29
Bromobenzene	< .001	mg/kg			WG654858	04/06/13 11:29
Bromodichloromethane	< .001	mg/kg			WG654858	04/06/13 11:29
Bromoform	< .001	mg/kg			WG654858	04/06/13 11:29
Bromomethane	< .005	mg/kg			WG654858	04/06/13 11:29
Carbon tetrachloride	< .001	mg/kg			WG654858	04/06/13 11:29
Chlorobenzene	< .001	mg/kg			WG654858	04/06/13 11:29
Chlorodibromomethane	< .001	mg/kg			WG654858	04/06/13 11:29
Chloroethane	< .005	mg/kg			WG654858	04/06/13 11:29
Chloroform	< .005	mg/kg			WG654858	04/06/13 11:29
Chloromethane	< .0025	mg/kg			WG654858	04/06/13 11:29
cis-1,2-Dichloroethene	< .001	mg/kg			WG654858	04/06/13 11:29
cis-1,3-Dichloropropene	< .001	mg/kg			WG654858	04/06/13 11:29
Di-isopropyl ether	< .001	mg/kg			WG654858	04/06/13 11:29
Dibromomethane	< .001	mg/kg			WG654858	04/06/13 11:29
Dichlorodifluoromethane	< .005	mg/kg			WG654858	04/06/13 11:29
Ethylbenzene	< .001	mg/kg			WG654858	04/06/13 11:29
Hexachloro-1,3-butadiene	< .001	mg/kg			WG654858	04/06/13 11:29
Isopropylbenzene	< .001	mg/kg			WG654858	04/06/13 11:29
Methyl tert-butyl ether	< .001	mg/kg			WG654858	04/06/13 11:29
Methylene Chloride	< .005	mg/kg			WG654858	04/06/13 11:29
n-Butylbenzene	< .001	mg/kg			WG654858	04/06/13 11:29
n-Propylbenzene	< .001	mg/kg			WG654858	04/06/13 11:29

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Kennesaw, GA 30144

Quality Assurance Report
Level II

L628891

April 24, 2013

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Naphthalene	< .005	mg/kg			WG654858	04/06/13 11:29
p-Isopropyltoluene	< .001	mg/kg			WG654858	04/06/13 11:29
sec-Butylbenzene	< .001	mg/kg			WG654858	04/06/13 11:29
Styrene	< .001	mg/kg			WG654858	04/06/13 11:29
tert-Butylbenzene	< .001	mg/kg			WG654858	04/06/13 11:29
Tetrachloroethene	< .001	mg/kg			WG654858	04/06/13 11:29
Toluene	< .005	mg/kg			WG654858	04/06/13 11:29
trans-1,2-Dichloroethene	< .001	mg/kg			WG654858	04/06/13 11:29
trans-1,3-Dichloropropene	< .001	mg/kg			WG654858	04/06/13 11:29
Trichloroethene	< .001	mg/kg			WG654858	04/06/13 11:29
Trichlorofluoromethane	< .005	mg/kg			WG654858	04/06/13 11:29
Vinyl chloride	< .001	mg/kg			WG654858	04/06/13 11:29
Xylenes, Total	< .003	mg/kg			WG654858	04/06/13 11:29
4-Bromofluorobenzene		% Rec.	100.6	67-133	WG654858	04/06/13 11:29
Dibromofluoromethane		% Rec.	99.29	72-135	WG654858	04/06/13 11:29
Toluene-d8		% Rec.	102.0	90-113	WG654858	04/06/13 11:29

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Total Solids	%	83.0	81.6	1.45	5	L628862-09	WG654863
Total Solids	%	90.0	89.9	0.0345	5	L628891-02	WG654874

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Total Solids	%	50	50.1	100.	85-115	WG654863
Total Solids	%	50	50.1	100.	85-115	WG654874
1,1,1,2-Tetrachloroethane	mg/kg	.025	0.0239	95.4	77-129	WG654858
1,1,1-Trichloroethane	mg/kg	.025	0.0254	101.	70-127	WG654858
1,1,2,2-Tetrachloroethane	mg/kg	.025	0.0244	97.5	76-133	WG654858
1,1,2-Trichloroethane	mg/kg	.025	0.0245	98.0	79-123	WG654858
1,1,2-Trichlorotrifluoroethane	mg/kg	.025	0.0262	105.	52-145	WG654858
1,1-Dichloroethane	mg/kg	.025	0.0251	100.	74-121	WG654858
1,1-Dichloroethene	mg/kg	.025	0.0254	102.	53-135	WG654858
1,1-Dichloropropene	mg/kg	.025	0.0252	101.	67-127	WG654858
1,2,3-Trichlorobenzene	mg/kg	.025	0.0269	107.	74-131	WG654858
1,2,3-Trichloropropane	mg/kg	.025	0.0246	98.5	75-135	WG654858
1,2,3-Trimethylbenzene	mg/kg	.025	0.0250	100.	76-128	WG654858
1,2,4-Trichlorobenzene	mg/kg	.025	0.0265	106.	72-130	WG654858
1,2,4-Trimethylbenzene	mg/kg	.025	0.0252	101.	75-131	WG654858
1,2-Dibromo-3-Chloropropane	mg/kg	.025	0.0251	101.	55-142	WG654858
1,2-Dibromoethane	mg/kg	.025	0.0242	96.8	77-126	WG654858
1,2-Dichlorobenzene	mg/kg	.025	0.0250	100.	80-123	WG654858
1,2-Dichloroethane	mg/kg	.025	0.0255	102.	70-128	WG654858
1,2-Dichloropropane	mg/kg	.025	0.0242	96.7	74-125	WG654858
1,3,5-Trimethylbenzene	mg/kg	.025	0.0246	98.4	77-129	WG654858
1,3-Dichlorobenzene	mg/kg	.025	0.0251	100.	76-128	WG654858
1,3-Dichloropropane	mg/kg	.025	0.0238	95.2	77-118	WG654858
1,4-Dichlorobenzene	mg/kg	.025	0.0237	94.9	77-119	WG654858
2,2-Dichloropropane	mg/kg	.025	0.0272	109.	60-132	WG654858
2-Butanone (MEK)	mg/kg	.125	0.118	94.5	56-146	WG654858
2-Chloroethyl vinyl ether	mg/kg	.125	0.126	100.	17-179	WG654858

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Quality Assurance Report
Level II

L628891

April 24, 2013

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
2-Chlorotoluene	mg/kg	.025	0.0247	98.7	76-125	WG654858
4-Chlorotoluene	mg/kg	.025	0.0238	95.3	76-125	WG654858
4-Methyl-2-pentanone (MIBK)	mg/kg	.125	0.122	97.6	55-148	WG654858
Acetone	mg/kg	.125	0.123	98.5	47-155	WG654858
Acrylonitrile	mg/kg	.125	0.132	106.	50-155	WG654858
Benzene	mg/kg	.025	0.0242	97.0	72-120	WG654858
Bromobenzene	mg/kg	.025	0.0231	92.4	74-122	WG654858
Bromodichloromethane	mg/kg	.025	0.0248	99.2	74-128	WG654858
Bromoform	mg/kg	.025	0.0241	96.4	62-137	WG654858
Bromomethane	mg/kg	.025	0.0255	102.	38-180	WG654858
Carbon tetrachloride	mg/kg	.025	0.0251	100.	62-130	WG654858
Chlorobenzene	mg/kg	.025	0.0245	98.1	77-124	WG654858
Chlorodibromomethane	mg/kg	.025	0.0249	99.6	74-128	WG654858
Chloroethane	mg/kg	.025	0.0255	102.	46-173	WG654858
Chloroform	mg/kg	.025	0.0247	98.7	76-122	WG654858
Chloromethane	mg/kg	.025	0.0242	96.9	49-143	WG654858
cis-1,2-Dichloroethene	mg/kg	.025	0.0248	99.3	73-123	WG654858
cis-1,3-Dichloropropene	mg/kg	.025	0.0250	99.9	73-126	WG654858
Di-isopropyl ether	mg/kg	.025	0.0252	101.	64-131	WG654858
Dibromomethane	mg/kg	.025	0.0257	103.	75-127	WG654858
Dichlorodifluoromethane	mg/kg	.025	0.0248	99.2	30-177	WG654858
Ethylbenzene	mg/kg	.025	0.0241	96.5	76-126	WG654858
Hexachloro-1,3-butadiene	mg/kg	.025	0.0259	104.	71-134	WG654858
Isopropylbenzene	mg/kg	.025	0.0242	96.8	70-128	WG654858
Methyl tert-butyl ether	mg/kg	.025	0.0252	101.	66-127	WG654858
Methylene Chloride	mg/kg	.025	0.0242	96.8	67-124	WG654858
n-Butylbenzene	mg/kg	.025	0.0255	102.	71-133	WG654858
n-Propylbenzene	mg/kg	.025	0.0241	96.6	76-126	WG654858
Naphthalene	mg/kg	.025	0.0266	106.	68-136	WG654858
p-Isopropyltoluene	mg/kg	.025	0.0250	99.9	75-134	WG654858
sec-Butylbenzene	mg/kg	.025	0.0244	97.8	75-132	WG654858
Styrene	mg/kg	.025	0.0257	103.	68-148	WG654858
tert-Butylbenzene	mg/kg	.025	0.0246	98.4	75-132	WG654858
Tetrachloroethene	mg/kg	.025	0.0240	95.8	70-131	WG654858
Toluene	mg/kg	.025	0.0238	95.4	74-155	WG654858
trans-1,2-Dichloroethene	mg/kg	.025	0.0239	95.4	63-126	WG654858
trans-1,3-Dichloropropene	mg/kg	.025	0.0253	101.	68-126	WG654858
Trichloroethene	mg/kg	.025	0.0254	102.	75-121	WG654858
Trichlorofluoromethane	mg/kg	.025	0.0265	106.	48-170	WG654858
Vinyl chloride	mg/kg	.025	0.0240	96.0	54-144	WG654858
Xylenes, Total	mg/kg	.075	0.0735	98.0	76-126	WG654858
4-Bromofluorobenzene				98.70	67-133	WG654858
Dibromofluoromethane				100.9	72-135	WG654858
Toluene-d8				101.2	90-113	WG654858

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
1,1,1,2-Tetrachloroethane	mg/kg	0.0247	0.0239	99.0	77-129	3.41	20	WG654858
1,1,1-Trichloroethane	mg/kg	0.0248	0.0254	99.0	70-127	2.13	20	WG654858
1,1,2,2-Tetrachloroethane	mg/kg	0.0254	0.0244	102.	76-133	4.28	20	WG654858
1,1,2-Trichloroethane	mg/kg	0.0257	0.0245	103.	79-123	4.96	20	WG654858
1,1,2-Trichlorotrifluoroethane	mg/kg	0.0258	0.0262	103.	52-145	1.87	20	WG654858
1,1-Dichloroethane	mg/kg	0.0257	0.0251	103.	74-121	2.48	20	WG654858
1,1-Dichloroethene	mg/kg	0.0252	0.0254	101.	53-135	0.690	20	WG654858
1,1-Dichloropropene	mg/kg	0.0251	0.0252	100.	67-127	0.510	20	WG654858
1,2,3-Trichlorobenzene	mg/kg	0.0244	0.0269	97.0	74-131	9.77	20	WG654858
1,2,3-Trichloropropane	mg/kg	0.0255	0.0246	102.	75-135	3.60	20	WG654858
1,2,3-Trimethylbenzene	mg/kg	0.0254	0.0250	102.	76-128	1.60	20	WG654858

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Est. 1970

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Peter Fleury
3380 Town Point Drive Suite 140
Kennesaw, GA 30144

Quality Assurance Report
Level II

L628891

April 24, 2013

		Laboratory Control Sample Duplicate						
Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
1,2,4-Trichlorobenzene	mg/kg	0.0242	0.0265	97.0	72-130	9.24	20	WG654858
1,2,4-Trimethylbenzene	mg/kg	0.0269	0.0252	108.	75-131	6.74	20	WG654858
1,2-Dibromo-3-Chloropropane	mg/kg	0.0250	0.0251	100.	55-142	0.430	20	WG654858
1,2-Dibromoethane	mg/kg	0.0256	0.0242	102.	77-126	5.72	20	WG654858
1,2-Dichlorobenzene	mg/kg	0.0254	0.0250	102.	80-123	1.51	20	WG654858
1,2-Dichloroethane	mg/kg	0.0255	0.0255	102.	70-128	0.0900	20	WG654858
1,2-Dichloropropane	mg/kg	0.0250	0.0242	100.	74-125	3.45	20	WG654858
1,3,5-Trimethylbenzene	mg/kg	0.0261	0.0246	104.	77-129	5.82	20	WG654858
1,3-Dichlorobenzene	mg/kg	0.0262	0.0251	105.	76-128	4.38	20	WG654858
1,3-Dichloropropane	mg/kg	0.0259	0.0238	104.	77-118	8.53	20	WG654858
1,4-Dichlorobenzene	mg/kg	0.0247	0.0237	99.0	77-119	4.14	20	WG654858
2,2-Dichloropropane	mg/kg	0.0251	0.0272	100.	60-132	8.17	20	WG654858
2-Butanone (MEK)	mg/kg	0.126	0.118	101.	56-146	6.49	20	WG654858
2-Chloroethyl vinyl ether	mg/kg	0.131	0.126	104.	17-179	4.00	22	WG654858
2-Chlorotoluene	mg/kg	0.0265	0.0247	106.	76-125	7.21	20	WG654858
4-Chlorotoluene	mg/kg	0.0258	0.0238	103.	76-125	7.98	20	WG654858
4-Methyl-2-pentanone (MIBK)	mg/kg	0.126	0.122	101.	55-148	3.08	20	WG654858
Acetone	mg/kg	0.121	0.123	97.0	47-155	1.59	22	WG654858
Acrylonitrile	mg/kg	0.128	0.132	102.	50-155	3.16	20	WG654858
Benzene	mg/kg	0.0244	0.0242	98.0	72-120	0.810	20	WG654858
Bromobenzene	mg/kg	0.0251	0.0231	100.	74-122	8.25	20	WG654858
Bromodichloromethane	mg/kg	0.0251	0.0248	100.	74-128	1.43	20	WG654858
Bromoform	mg/kg	0.0254	0.0241	102.	62-137	5.30	20	WG654858
Bromomethane	mg/kg	0.0255	0.0255	102.	38-180	0.110	20	WG654858
Carbon tetrachloride	mg/kg	0.0258	0.0251	103.	62-130	2.99	20	WG654858
Chlorobenzene	mg/kg	0.0265	0.0245	106.	77-124	7.67	20	WG654858
Chlorodibromomethane	mg/kg	0.0258	0.0249	103.	74-128	3.68	20	WG654858
Chloroethane	mg/kg	0.0254	0.0255	102.	46-173	0.450	20	WG654858
Chloroform	mg/kg	0.0253	0.0247	101.	76-122	2.35	20	WG654858
Chloromethane	mg/kg	0.0235	0.0242	94.0	49-143	3.16	20	WG654858
cis-1,2-Dichloroethene	mg/kg	0.0255	0.0248	102.	73-123	2.72	20	WG654858
cis-1,3-Dichloropropene	mg/kg	0.0259	0.0250	103.	73-126	3.59	20	WG654858
Di-isopropyl ether	mg/kg	0.0256	0.0252	102.	64-131	1.85	20	WG654858
Dibromomethane	mg/kg	0.0255	0.0257	102.	75-127	0.790	20	WG654858
Dichlorodifluoromethane	mg/kg	0.0242	0.0248	97.0	30-177	2.50	20	WG654858
Ethylbenzene	mg/kg	0.0264	0.0241	106.	76-126	9.06	20	WG654858
Hexachloro-1,3-butadiene	mg/kg	0.0242	0.0259	97.0	71-134	6.98	20	WG654858
Isopropylbenzene	mg/kg	0.0267	0.0242	107.	70-128	9.65	20	WG654858
Methyl tert-butyl ether	mg/kg	0.0252	0.0252	101.	66-127	0.180	20	WG654858
Methylene Chloride	mg/kg	0.0244	0.0242	98.0	67-124	0.920	20	WG654858
n-Butylbenzene	mg/kg	0.0259	0.0255	103.	71-133	1.21	20	WG654858
n-Propylbenzene	mg/kg	0.0262	0.0241	105.	76-126	8.02	20	WG654858
Naphthalene	mg/kg	0.0246	0.0266	98.0	68-136	7.71	20	WG654858
p-Isopropyltoluene	mg/kg	0.0259	0.0250	104.	75-134	3.63	20	WG654858
sec-Butylbenzene	mg/kg	0.0256	0.0244	102.	75-132	4.54	20	WG654858
Styrene	mg/kg	0.0269	0.0257	108.	68-148	4.74	20	WG654858
tert-Butylbenzene	mg/kg	0.0262	0.0246	105.	75-132	6.08	20	WG654858
Tetrachloroethene	mg/kg	0.0254	0.0240	102.	70-131	6.01	20	WG654858
Toluene	mg/kg	0.0246	0.0238	98.0	74-155	3.04	20	WG654858
trans-1,2-Dichloroethene	mg/kg	0.0253	0.0239	101.	63-126	5.71	20	WG654858
trans-1,3-Dichloropropene	mg/kg	0.0255	0.0253	102.	68-126	0.700	20	WG654858
Trichloroethene	mg/kg	0.0263	0.0254	105.	75-121	3.55	20	WG654858
Trichlorofluoromethane	mg/kg	0.0257	0.0265	103.	48-170	3.38	20	WG654858
Vinyl chloride	mg/kg	0.0234	0.0240	93.0	54-144	2.61	20	WG654858
Xylenes, Total	mg/kg	0.0788	0.0735	105.	76-126	7.00	20	WG654858
4-Bromofluorobenzene				100.4	67-133			WG654858
Dibromofluoromethane				98.87	72-135			WG654858
Toluene-d8				99.79	90-113			WG654858

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Quality Assurance Report
Level II

L628891

April 24, 2013

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
1,1,1,2-Tetrachloroethane	mg/kg	0.125	0	.025	99.7	49-135	L628971-02	WG654858
1,1,1-Trichloroethane	mg/kg	0.123	0	.025	98.3	43-142	L628971-02	WG654858
1,1,2,2-Tetrachloroethane	mg/kg	0.105	0	.025	84.0	42-147	L628971-02	WG654858
1,1,2-Trichloroethane	mg/kg	0.125	0	.025	99.6	51-134	L628971-02	WG654858
1,1,2-Trichlorotrifluoroethane	mg/kg	0.137	0	.025	109.	25-156	L628971-02	WG654858
1,1-Dichloroethane	mg/kg	0.126	0	.025	101.	50-131	L628971-02	WG654858
1,1-Dichloroethene	mg/kg	0.123	0	.025	98.3	29-145	L628971-02	WG654858
1,1-Dichloropropene	mg/kg	0.120	0	.025	96.1	40-136	L628971-02	WG654858
1,2,3-Trichlorobenzene	mg/kg	0.115	0	.025	92.0	13-142	L628971-02	WG654858
1,2,3-Trichloropropane	mg/kg	0.107	0	.025	85.8	41-149	L628971-02	WG654858
1,2,3-Trimethylbenzene	mg/kg	0.133	0	.025	106.	33-146	L628971-02	WG654858
1,2,4-Trichlorobenzene	mg/kg	0.126	0	.025	100.	12-140	L628971-02	WG654858
1,2,4-Trimethylbenzene	mg/kg	0.130	0	.025	104.	29-143	L628971-02	WG654858
1,2-Dibromo-3-Chloropropane	mg/kg	0.116	0	.025	92.9	29-151	L628971-02	WG654858
1,2-Dibromoethane	mg/kg	0.116	0	.025	92.8	48-133	L628971-02	WG654858
1,2-Dichlorobenzene	mg/kg	0.130	0	.025	104.	37-136	L628971-02	WG654858
1,2-Dichloroethane	mg/kg	0.124	0	.025	98.9	49-131	L628971-02	WG654858
1,2-Dichloropropane	mg/kg	0.125	0	.025	99.9	50-132	L628971-02	WG654858
1,3,5-Trimethylbenzene	mg/kg	0.130	0	.025	104.	29-144	L628971-02	WG654858
1,3-Dichlorobenzene	mg/kg	0.126	0	.025	101.	26-140	L628971-02	WG654858
1,3-Dichloropropane	mg/kg	0.122	0	.025	97.6	50-126	L628971-02	WG654858
1,4-Dichlorobenzene	mg/kg	0.130	0	.025	104.	34-132	L628971-02	WG654858
2,2-Dichloropropane	mg/kg	0.139	0	.025	111.	35-148	L628971-02	WG654858
2-Butanone (MEK)	mg/kg	0.559	0.0114	.125	87.7	40-149	L628971-02	WG654858
2-Chloroethyl vinyl ether	mg/kg	0.615	0	.125	98.4	10-173	L628971-02	WG654858
2-Chlorotoluene	mg/kg	0.126	0	.025	101.	34-136	L628971-02	WG654858
4-Chlorotoluene	mg/kg	0.126	0	.025	100.	31-137	L628971-02	WG654858
4-Methyl-2-pentanone (MIBK)	mg/kg	0.549	0	.125	87.8	37-153	L628971-02	WG654858
Acetone	mg/kg	0.610	0.0459	.125	90.3	10-177	L628971-02	WG654858
Acrylonitrile	mg/kg	0.451	0	.125	72.1	33-159	L628971-02	WG654858
Benzene	mg/kg	0.123	0	.025	98.5	44-131	L628971-02	WG654858
Bromobenzene	mg/kg	0.121	0	.025	96.8	36-132	L628971-02	WG654858
Bromodichloromethane	mg/kg	0.121	0	.025	96.9	48-134	L628971-02	WG654858
Bromoform	mg/kg	0.112	0	.025	89.5	34-141	L628971-02	WG654858
Bromomethane	mg/kg	0.130	0	.025	104.	19-173	L628971-02	WG654858
Carbon tetrachloride	mg/kg	0.124	0	.025	99.3	36-140	L628971-02	WG654858
Chlorobenzene	mg/kg	0.130	0	.025	104.	42-133	L628971-02	WG654858
Chlorodibromomethane	mg/kg	0.122	0	.025	97.4	45-135	L628971-02	WG654858
Chloroethane	mg/kg	0.130	0	.025	104.	16-178	L628971-02	WG654858
Chloroform	mg/kg	0.152	0	.025	121.	52-130	L628971-02	WG654858
Chloromethane	mg/kg	0.119	0	.025	95.0	28-147	L628971-02	WG654858
cis-1,2-Dichloroethene	mg/kg	0.128	0	.025	103.	52-128	L628971-02	WG654858
cis-1,3-Dichloropropene	mg/kg	0.126	0	.025	101.	46-131	L628971-02	WG654858
Di-isopropyl ether	mg/kg	0.135	0	.025	108.	46-134	L628971-02	WG654858
Dibromomethane	mg/kg	0.125	0	.025	100.	51-133	L628971-02	WG654858
Dichlorodifluoromethane	mg/kg	0.115	0	.025	92.1	12-179	L628971-02	WG654858
Ethylbenzene	mg/kg	0.128	0	.025	102.	38-139	L628971-02	WG654858
Hexachloro-1,3-butadiene	mg/kg	0.131	0	.025	105.	10-147	L628971-02	WG654858
Isopropylbenzene	mg/kg	0.141	0	.025	113.	34-137	L628971-02	WG654858
Methyl tert-butyl ether	mg/kg	0.126	0	.025	100.	45-134	L628971-02	WG654858
Methylene Chloride	mg/kg	0.120	0	.025	95.7	41-133	L628971-02	WG654858
n-Butylbenzene	mg/kg	0.143	0	.025	114.	19-149	L628971-02	WG654858
n-Propylbenzene	mg/kg	0.130	0	.025	104.	27-142	L628971-02	WG654858
Naphthalene	mg/kg	0.108	0	.025	86.7	19-146	L628971-02	WG654858
p-Isopropyltoluene	mg/kg	0.130	0	.025	104.	21-150	L628971-02	WG654858
sec-Butylbenzene	mg/kg	0.129	0	.025	103.	25-148	L628971-02	WG654858
Styrene	mg/kg	0.133	0	.025	106.	30-156	L628971-02	WG654858
tert-Butylbenzene	mg/kg	0.129	0	.025	103.	32-146	L628971-02	WG654858
Tetrachloroethene	mg/kg	0.119	0	.025	95.1	35-139	L628971-02	WG654858
Toluene	mg/kg	0.126	0.000540	.025	100.	43-127	L628971-02	WG654858

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Quality Assurance Report
Level II

April 24, 2013

L628891

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
trans-1,2-Dichloroethene	mg/kg	0.121	0	.025	97.1	41-132	L628971-02	WG654858
trans-1,3-Dichloropropene	mg/kg	0.121	0	.025	96.6	43-129	L628971-02	WG654858
Trichloroethene	mg/kg	0.122	0	.025	97.5	42-136	L628971-02	WG654858
Trichlorofluoromethane	mg/kg	0.132	0	.025	106.	20-178	L628971-02	WG654858
Vinyl chloride	mg/kg	0.123	0	.025	98.6	30-157	L628971-02	WG654858
Xylenes, Total	mg/kg	0.388	0	.075	104.	38-137	L628971-02	WG654858
4-Bromofluorobenzene					96.31	67-133		WG654858
Dibromofluoromethane					103.0	72-135		WG654858
Toluene-d8					101.0	90-113		WG654858

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
1,1,1,2-Tetrachloroethane	mg/kg	0.129	0.125	103.	49-135	3.45	23	L628971-02	WG654858
1,1,1-Trichloroethane	mg/kg	0.125	0.123	100.	43-142	1.76	24	L628971-02	WG654858
1,1,2,2-Tetrachloroethane	mg/kg	0.115	0.105	92.3	42-147	9.46	25	L628971-02	WG654858
1,1,2-Trichloroethane	mg/kg	0.128	0.125	102.	51-134	2.61	21	L628971-02	WG654858
1,1,2-Trichlorotrifluoroethane	mg/kg	0.136	0.137	109.	25-156	0.450	29	L628971-02	WG654858
1,1-Dichloroethane	mg/kg	0.129	0.126	103.	50-131	2.41	21	L628971-02	WG654858
1,1-Dichloroethene	mg/kg	0.122	0.123	97.9	29-145	0.400	28	L628971-02	WG654858
1,1-Dichloropropene	mg/kg	0.119	0.120	95.5	40-136	0.560	24	L628971-02	WG654858
1,2,3-Trichlorobenzene	mg/kg	0.121	0.115	96.6	13-142	4.94	33	L628971-02	WG654858
1,2,3-Trichloropropane	mg/kg	0.112	0.107	89.8	41-149	4.51	28	L628971-02	WG654858
1,2,3-Trimethylbenzene	mg/kg	0.132	0.133	105.	33-146	0.810	27	L628971-02	WG654858
1,2,4-Trichlorobenzene	mg/kg	0.129	0.126	103.	12-140	2.64	32	L628971-02	WG654858
1,2,4-Trimethylbenzene	mg/kg	0.133	0.130	107.	29-143	2.22	30	L628971-02	WG654858
1,2-Dibromo-3-Chloropropane	mg/kg	0.124	0.116	98.8	29-151	6.16	31	L628971-02	WG654858
1,2-Dibromoethane	mg/kg	0.128	0.116	102.	48-133	9.55	22	L628971-02	WG654858
1,2-Dichlorobenzene	mg/kg	0.131	0.130	104.	37-136	0.530	25	L628971-02	WG654858
1,2-Dichloroethane	mg/kg	0.127	0.124	102.	49-131	2.62	20	L628971-02	WG654858
1,2-Dichloropropane	mg/kg	0.131	0.125	105.	50-132	4.83	21	L628971-02	WG654858
1,3,5-Trimethylbenzene	mg/kg	0.130	0.130	104.	29-144	0.210	30	L628971-02	WG654858
1,3-Dichlorobenzene	mg/kg	0.127	0.126	102.	26-140	0.380	28	L628971-02	WG654858
1,3-Dichloropropane	mg/kg	0.129	0.122	103.	50-126	5.31	22	L628971-02	WG654858
1,4-Dichlorobenzene	mg/kg	0.127	0.130	102.	34-132	1.96	26	L628971-02	WG654858
2,2-Dichloropropane	mg/kg	0.144	0.139	115.	35-148	3.70	26	L628971-02	WG654858
2-Butanone (MEK)	mg/kg	0.570	0.559	89.3	40-149	1.82	27	L628971-02	WG654858
2-Chloroethyl vinyl ether	mg/kg	0.647	0.615	103.	10-173	5.00	33	L628971-02	WG654858
2-Chlorotoluene	mg/kg	0.130	0.126	104.	34-136	3.01	28	L628971-02	WG654858
4-Chlorotoluene	mg/kg	0.126	0.126	101.	31-137	0.580	27	L628971-02	WG654858
4-Methyl-2-pentanone (MIBK)	mg/kg	0.593	0.549	94.9	37-153	7.71	27	L628971-02	WG654858
Acetone	mg/kg	0.617	0.610	91.3	10-177	1.05	28	L628971-02	WG654858
Acrylonitrile	mg/kg	0.473	0.451	75.7	33-159	4.82	26	L628971-02	WG654858
Benzene	mg/kg	0.124	0.123	99.1	44-131	0.590	21	L628971-02	WG654858
Bromobenzene	mg/kg	0.124	0.121	99.5	36-132	2.73	26	L628971-02	WG654858
Bromodichloromethane	mg/kg	0.129	0.121	103.	48-134	6.01	20	L628971-02	WG654858
Bromoform	mg/kg	0.121	0.112	97.2	34-141	8.17	24	L628971-02	WG654858
Bromomethane	mg/kg	0.130	0.130	104.	19-173	0.480	25	L628971-02	WG654858
Carbon tetrachloride	mg/kg	0.124	0.124	99.3	36-140	0.0100	26	L628971-02	WG654858
Chlorobenzene	mg/kg	0.136	0.130	109.	42-133	4.40	24	L628971-02	WG654858
Chlorodibromomethane	mg/kg	0.127	0.122	102.	45-135	4.53	23	L628971-02	WG654858
Chloroethane	mg/kg	0.130	0.130	104.	16-178	0	25	L628971-02	WG654858
Chloroform	mg/kg	0.152	0.152	122.	52-130	0.190	21	L628971-02	WG654858
Chloromethane	mg/kg	0.119	0.119	95.5	28-147	0.520	23	L628971-02	WG654858
cis-1,2-Dichloroethene	mg/kg	0.130	0.128	104.	52-128	1.08	21	L628971-02	WG654858
cis-1,3-Dichloropropene	mg/kg	0.131	0.126	104.	46-131	3.29	21	L628971-02	WG654858
Di-isopropyl ether	mg/kg	0.136	0.135	109.	46-134	1.08	20	L628971-02	WG654858
Dibromomethane	mg/kg	0.129	0.125	103.	51-133	3.00	21	L628971-02	WG654858
Dichlorodifluoromethane	mg/kg	0.118	0.115	94.1	12-179	2.13	27	L628971-02	WG654858

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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S&ME Inc. - Kennesaw GA
Peter Fleury
3380 Town Point Drive Suite 140
Kennesaw, GA 30144

Quality Assurance Report
Level II

L628891

April 24, 2013

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Ethylbenzene	mg/kg	0.133	0.128	106.	38-139	3.85	27	L628971-02	WG654858
Hexachloro-1,3-butadiene	mg/kg	0.131	0.131	105.	10-147	0.130	37	L628971-02	WG654858
Isopropylbenzene	mg/kg	0.142	0.141	114.	34-137	0.710	29	L628971-02	WG654858
Methyl tert-butyl ether	mg/kg	0.131	0.126	105.	45-134	4.52	22	L628971-02	WG654858
Methylene Chloride	mg/kg	0.123	0.120	98.2	41-133	2.51	28	L628971-02	WG654858
n-Butylbenzene	mg/kg	0.136	0.143	108.	19-149	5.41	32	L628971-02	WG654858
n-Propylbenzene	mg/kg	0.130	0.130	104.	27-142	0.150	29	L628971-02	WG654858
Naphthalene	mg/kg	0.114	0.108	90.9	19-146	4.73	30	L628971-02	WG654858
p-Isopropyltoluene	mg/kg	0.134	0.130	107.	21-150	2.70	31	L628971-02	WG654858
sec-Butylbenzene	mg/kg	0.130	0.129	104.	25-148	0.810	31	L628971-02	WG654858
Styrene	mg/kg	0.135	0.133	108.	30-156	1.48	26	L628971-02	WG654858
tert-Butylbenzene	mg/kg	0.132	0.129	105.	32-146	2.05	30	L628971-02	WG654858
Tetrachloroethene	mg/kg	0.124	0.119	98.9	35-139	3.98	27	L628971-02	WG654858
Toluene	mg/kg	0.126	0.126	100.	43-127	0.0600	21	L628971-02	WG654858
trans-1,2-Dichloroethene	mg/kg	0.120	0.121	95.9	41-132	1.27	23	L628971-02	WG654858
trans-1,3-Dichloropropene	mg/kg	0.126	0.121	101.	43-129	4.65	23	L628971-02	WG654858
Trichloroethene	mg/kg	0.126	0.122	101.	42-136	3.51	23	L628971-02	WG654858
Trichlorofluoromethane	mg/kg	0.128	0.132	102.	20-178	3.33	30	L628971-02	WG654858
Vinyl chloride	mg/kg	0.125	0.123	100.	30-157	1.48	24	L628971-02	WG654858
Xylenes, Total	mg/kg	0.390	0.388	104.	38-137	0.410	26	L628971-02	WG654858
4-Bromofluorobenzene				96.91	67-133				WG654858
Dibromofluoromethane				100.8	72-135				WG654858
Toluene-d8				99.23	90-113				WG654858

Batch number /Run number / Sample number cross reference

WG654863: R2605902: L628891-01
WG654874: R2605962: L628891-02 03 04
WG654858: R2606103: L628891-01 02 03 04

* * Calculations are performed prior to rounding of reported values.
* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Peter Fleury
3380 Town Point Drive Suite 140

Kennesaw, GA 30144

Quality Assurance Report
Level II

L628891

April 24, 2013

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

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Peter Fleury
S&ME Inc. - Kennesaw GA
3380 Town Point Drive Suite 140
Kennesaw, GA 30144

Report Summary

Tuesday April 09, 2013

Report Number: L628893
Samples Received: 04/05/13
Client Project: 1804-13-164

Description: Ideal Cleaners

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Jeff Carr , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.
Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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REPORT OF ANALYSIS

Peter Fleury
S&ME Inc. - Kennesaw GA
3380 Town Point Drive Suite 140
Kennesaw, GA 30144

April 09,2013

ESC Sample # : L628893-01

Site ID :

Project # : 1804-13-164

Date Received : April 05, 2013
Description : Ideal Cleaners

Sample ID : B-2

Collected By : Chris H
Collection Date : 04/02/13 12:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	1200	ug/l	8260B	04/06/13	25
Acrolein	BDL	1200	ug/l	8260B	04/06/13	25
Acrylonitrile	BDL	250	ug/l	8260B	04/06/13	25
Benzene	BDL	25.	ug/l	8260B	04/06/13	25
Bromobenzene	BDL	25.	ug/l	8260B	04/06/13	25
Bromodichloromethane	BDL	25.	ug/l	8260B	04/06/13	25
Bromoform	BDL	25.	ug/l	8260B	04/06/13	25
Bromomethane	BDL	120	ug/l	8260B	04/06/13	25
n-Butylbenzene	BDL	25.	ug/l	8260B	04/06/13	25
sec-Butylbenzene	BDL	25.	ug/l	8260B	04/06/13	25
tert-Butylbenzene	BDL	25.	ug/l	8260B	04/06/13	25
Carbon tetrachloride	BDL	25.	ug/l	8260B	04/06/13	25
Chlorobenzene	BDL	25.	ug/l	8260B	04/06/13	25
Chlorodibromomethane	BDL	25.	ug/l	8260B	04/06/13	25
Chloroethane	BDL	120	ug/l	8260B	04/06/13	25
2-Chloroethyl vinyl ether	BDL	1200	ug/l	8260B	04/06/13	25
Chloroform	BDL	120	ug/l	8260B	04/06/13	25
Chloromethane	BDL	62.	ug/l	8260B	04/06/13	25
2-Chlorotoluene	BDL	25.	ug/l	8260B	04/06/13	25
4-Chlorotoluene	BDL	25.	ug/l	8260B	04/06/13	25
1,2-Dibromo-3-Chloropropane	BDL	120	ug/l	8260B	04/06/13	25
1,2-Dibromoethane	BDL	25.	ug/l	8260B	04/06/13	25
Dibromomethane	BDL	25.	ug/l	8260B	04/06/13	25
1,2-Dichlorobenzene	BDL	25.	ug/l	8260B	04/06/13	25
1,3-Dichlorobenzene	BDL	25.	ug/l	8260B	04/06/13	25
1,4-Dichlorobenzene	BDL	25.	ug/l	8260B	04/06/13	25
Dichlorodifluoromethane	BDL	120	ug/l	8260B	04/06/13	25
1,1-Dichloroethane	BDL	25.	ug/l	8260B	04/06/13	25
1,2-Dichloroethane	BDL	25.	ug/l	8260B	04/06/13	25
1,1-Dichloroethene	BDL	25.	ug/l	8260B	04/06/13	25
cis-1,2-Dichloroethene	280	25.	ug/l	8260B	04/06/13	25
trans-1,2-Dichloroethene	BDL	25.	ug/l	8260B	04/06/13	25
1,2-Dichloropropane	BDL	25.	ug/l	8260B	04/06/13	25
1,1-Dichloropropene	BDL	25.	ug/l	8260B	04/06/13	25
1,3-Dichloropropane	BDL	25.	ug/l	8260B	04/06/13	25
cis-1,3-Dichloropropene	BDL	25.	ug/l	8260B	04/06/13	25
trans-1,3-Dichloropropene	BDL	25.	ug/l	8260B	04/06/13	25
2,2-Dichloropropane	BDL	25.	ug/l	8260B	04/06/13	25
Di-isopropyl ether	BDL	25.	ug/l	8260B	04/06/13	25
Ethylbenzene	BDL	25.	ug/l	8260B	04/06/13	25
Hexachloro-1,3-butadiene	BDL	25.	ug/l	8260B	04/06/13	25
Isopropylbenzene	BDL	25.	ug/l	8260B	04/06/13	25
p-Isopropyltoluene	BDL	25.	ug/l	8260B	04/06/13	25

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Peter Fleury
S&ME Inc. - Kennesaw GA
3380 Town Point Drive Suite 140
Kennesaw, GA 30144

April 09,2013

ESC Sample # : L628893-01

Site ID :

Project # : 1804-13-164

Date Received : April 05, 2013
Description : Ideal Cleaners

Sample ID : B-2

Collected By : Chris H
Collection Date : 04/02/13 12:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	250	ug/l	8260B	04/06/13	25
Methylene Chloride	BDL	120	ug/l	8260B	04/06/13	25
4-Methyl-2-pentanone (MIBK)	BDL	250	ug/l	8260B	04/06/13	25
Methyl tert-butyl ether	BDL	25.	ug/l	8260B	04/06/13	25
Naphthalene	BDL	120	ug/l	8260B	04/06/13	25
n-Propylbenzene	BDL	25.	ug/l	8260B	04/06/13	25
Styrene	BDL	25.	ug/l	8260B	04/06/13	25
1,1,1,2-Tetrachloroethane	BDL	25.	ug/l	8260B	04/06/13	25
1,1,2,2-Tetrachloroethane	BDL	25.	ug/l	8260B	04/06/13	25
Tetrachloroethene	3300	25.	ug/l	8260B	04/06/13	25
Toluene	BDL	120	ug/l	8260B	04/06/13	25
1,2,3-Trichlorobenzene	BDL	25.	ug/l	8260B	04/06/13	25
1,2,4-Trichlorobenzene	BDL	25.	ug/l	8260B	04/06/13	25
1,1,1-Trichloroethane	BDL	25.	ug/l	8260B	04/06/13	25
1,1,2-Trichloroethane	BDL	25.	ug/l	8260B	04/06/13	25
Trichloroethene	120	25.	ug/l	8260B	04/06/13	25
Trichlorofluoromethane	BDL	120	ug/l	8260B	04/06/13	25
1,2,3-Trichloropropane	BDL	62.	ug/l	8260B	04/06/13	25
1,2,4-Trimethylbenzene	BDL	25.	ug/l	8260B	04/06/13	25
1,3,5-Trimethylbenzene	BDL	25.	ug/l	8260B	04/06/13	25
Vinyl chloride	34.	25.	ug/l	8260B	04/06/13	25
Xylenes, Total	BDL	75.	ug/l	8260B	04/06/13	25
Surrogate Recovery						
Toluene-d8	95.6		% Rec.	8260B	04/06/13	25
Dibromofluoromethane	99.2		% Rec.	8260B	04/06/13	25
4-Bromofluorobenzene	97.9		% Rec.	8260B	04/06/13	25

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

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Reported: 04/09/13 12:50 Printed: 04/09/13 13:03

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REPORT OF ANALYSIS

Peter Fleury
S&ME Inc. - Kennesaw GA
3380 Town Point Drive Suite 140
Kennesaw, GA 30144

April 09,2013

ESC Sample # : L628893-02

Date Received : April 05, 2013
Description : Ideal Cleaners

Site ID :

Sample ID : B-3

Project # : 1804-13-164

Collected By : Chris H
Collection Date : 04/02/13 12:07

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	04/06/13	1
Acrolein	BDL	50.	ug/l	8260B	04/06/13	1
Acrylonitrile	BDL	10.	ug/l	8260B	04/06/13	1
Benzene	BDL	1.0	ug/l	8260B	04/06/13	1
Bromobenzene	BDL	1.0	ug/l	8260B	04/06/13	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	04/06/13	1
Bromoform	BDL	1.0	ug/l	8260B	04/06/13	1
Bromomethane	BDL	5.0	ug/l	8260B	04/06/13	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	04/06/13	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	04/06/13	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	04/06/13	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	04/06/13	1
Chlorobenzene	BDL	1.0	ug/l	8260B	04/06/13	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	04/06/13	1
Chloroethane	BDL	5.0	ug/l	8260B	04/06/13	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	04/06/13	1
Chloroform	BDL	5.0	ug/l	8260B	04/06/13	1
Chloromethane	BDL	2.5	ug/l	8260B	04/06/13	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	04/06/13	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	04/06/13	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	04/06/13	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	04/06/13	1
Dibromomethane	BDL	1.0	ug/l	8260B	04/06/13	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	04/06/13	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	04/06/13	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	04/06/13	1
Dichlorodifluoromethane	BDL	5.0	ug/l	8260B	04/06/13	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	04/06/13	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	04/06/13	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	04/06/13	1
cis-1,2-Dichloroethene	710	10.	ug/l	8260B	04/08/13	10
trans-1,2-Dichloroethene	2.8	1.0	ug/l	8260B	04/06/13	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	04/06/13	1
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	04/06/13	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	04/06/13	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	04/06/13	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	04/06/13	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	04/06/13	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	04/06/13	1
Ethylbenzene	BDL	1.0	ug/l	8260B	04/06/13	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	8260B	04/06/13	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	04/06/13	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	04/06/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Peter Fleury
S&ME Inc. - Kennesaw GA
3380 Town Point Drive Suite 140
Kennesaw, GA 30144

April 09,2013

ESC Sample # : L628893-02

Site ID :

Project # : 1804-13-164

Date Received : April 05, 2013
Description : Ideal Cleaners

Sample ID : B-3

Collected By : Chris H
Collection Date : 04/02/13 12:07

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	10.	ug/l	8260B	04/06/13	1
Methylene Chloride	BDL	5.0	ug/l	8260B	04/06/13	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	04/06/13	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	04/06/13	1
Naphthalene	BDL	5.0	ug/l	8260B	04/06/13	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	04/06/13	1
Styrene	BDL	1.0	ug/l	8260B	04/06/13	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	04/06/13	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	04/06/13	1
Tetrachloroethene	18.	1.0	ug/l	8260B	04/06/13	1
Toluene	BDL	5.0	ug/l	8260B	04/06/13	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	04/06/13	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	04/06/13	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	04/06/13	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	04/06/13	1
Trichloroethene	BDL	1.0	ug/l	8260B	04/06/13	1
Trichlorofluoromethane	BDL	5.0	ug/l	8260B	04/06/13	1
1,2,3-Trichloropropane	BDL	2.5	ug/l	8260B	04/06/13	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	04/06/13	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	04/06/13	1
Vinyl chloride	50.	1.0	ug/l	8260B	04/06/13	1
Xylenes, Total	BDL	3.0	ug/l	8260B	04/06/13	1
Surrogate Recovery						
Toluene-d8	101.		% Rec.	8260B	04/06/13	1
Dibromofluoromethane	101.		% Rec.	8260B	04/06/13	1
4-Bromofluorobenzene	98.8		% Rec.	8260B	04/06/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

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Reported: 04/09/13 12:50 Printed: 04/09/13 13:03

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Est. 1970

REPORT OF ANALYSIS

Peter Fleury
S&ME Inc. - Kennesaw GA
3380 Town Point Drive Suite 140
Kennesaw, GA 30144

April 09,2013

ESC Sample # : L628893-03

Date Received : April 05, 2013
Description : Ideal Cleaners

Site ID :

Sample ID : B-4

Project # : 1804-13-164

Collected By : Chris H
Collection Date : 04/02/13 12:18

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	04/06/13	1
Acrolein	BDL	50.	ug/l	8260B	04/06/13	1
Acrylonitrile	BDL	10.	ug/l	8260B	04/06/13	1
Benzene	BDL	1.0	ug/l	8260B	04/06/13	1
Bromobenzene	BDL	1.0	ug/l	8260B	04/06/13	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	04/06/13	1
Bromoform	BDL	1.0	ug/l	8260B	04/06/13	1
Bromomethane	BDL	5.0	ug/l	8260B	04/06/13	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	04/06/13	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	04/06/13	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	04/06/13	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	04/06/13	1
Chlorobenzene	BDL	1.0	ug/l	8260B	04/06/13	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	04/06/13	1
Chloroethane	BDL	5.0	ug/l	8260B	04/06/13	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	04/06/13	1
Chloroform	BDL	5.0	ug/l	8260B	04/06/13	1
Chloromethane	BDL	2.5	ug/l	8260B	04/06/13	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	04/06/13	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	04/06/13	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	04/06/13	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	04/06/13	1
Dibromomethane	BDL	1.0	ug/l	8260B	04/06/13	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	04/06/13	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	04/06/13	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	04/06/13	1
Dichlorodifluoromethane	BDL	5.0	ug/l	8260B	04/06/13	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	04/06/13	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	04/06/13	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	04/06/13	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	04/06/13	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	04/06/13	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	04/06/13	1
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	04/06/13	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	04/06/13	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	04/06/13	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	04/06/13	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	04/06/13	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	04/06/13	1
Ethylbenzene	BDL	1.0	ug/l	8260B	04/06/13	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	8260B	04/06/13	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	04/06/13	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	04/06/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Peter Fleury
S&ME Inc. - Kennesaw GA
3380 Town Point Drive Suite 140
Kennesaw, GA 30144

April 09,2013

ESC Sample # : L628893-03

Site ID :

Project # : 1804-13-164

Date Received : April 05, 2013
Description : Ideal Cleaners

Sample ID : B-4

Collected By : Chris H
Collection Date : 04/02/13 12:18

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	10.	ug/l	8260B	04/06/13	1
Methylene Chloride	BDL	5.0	ug/l	8260B	04/06/13	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	04/06/13	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	04/06/13	1
Naphthalene	BDL	5.0	ug/l	8260B	04/06/13	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	04/06/13	1
Styrene	BDL	1.0	ug/l	8260B	04/06/13	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	04/06/13	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	04/06/13	1
Tetrachloroethene	1.3	1.0	ug/l	8260B	04/06/13	1
Toluene	BDL	5.0	ug/l	8260B	04/06/13	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	04/06/13	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	04/06/13	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	04/06/13	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	04/06/13	1
Trichloroethene	BDL	1.0	ug/l	8260B	04/06/13	1
Trichlorofluoromethane	BDL	5.0	ug/l	8260B	04/06/13	1
1,2,3-Trichloropropane	BDL	2.5	ug/l	8260B	04/06/13	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	04/06/13	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	04/06/13	1
Vinyl chloride	BDL	1.0	ug/l	8260B	04/06/13	1
Xylenes, Total	BDL	3.0	ug/l	8260B	04/06/13	1
Surrogate Recovery						
Toluene-d8	97.3		% Rec.	8260B	04/06/13	1
Dibromofluoromethane	98.2		% Rec.	8260B	04/06/13	1
4-Bromofluorobenzene	96.8		% Rec.	8260B	04/06/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

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Reported: 04/09/13 12:50 Printed: 04/09/13 13:03

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S&ME Inc. - Kennesaw GA
Peter Fleury
3380 Town Point Drive Suite 140
Kennesaw, GA 30144

Quality Assurance Report
Level II

L628893

April 09, 2013

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
1,1,1,2-Tetrachloroethane	< .001	mg/l			WG654844	04/06/13 11:30
1,1,1-Trichloroethane	< .001	mg/l			WG654844	04/06/13 11:30
1,1,2,2-Tetrachloroethane	< .001	mg/l			WG654844	04/06/13 11:30
1,1,2-Trichloroethane	< .001	mg/l			WG654844	04/06/13 11:30
1,1-Dichloroethane	< .001	mg/l			WG654844	04/06/13 11:30
1,1-Dichloroethene	< .001	mg/l			WG654844	04/06/13 11:30
1,1-Dichloropropene	< .001	mg/l			WG654844	04/06/13 11:30
1,2,3-Trichlorobenzene	< .001	mg/l			WG654844	04/06/13 11:30
1,2,3-Trichloropropane	< .001	mg/l			WG654844	04/06/13 11:30
1,2,4-Trichlorobenzene	< .001	mg/l			WG654844	04/06/13 11:30
1,2,4-Trimethylbenzene	< .001	mg/l			WG654844	04/06/13 11:30
1,2-Dibromo-3-Chloropropane	< .005	mg/l			WG654844	04/06/13 11:30
1,2-Dibromoethane	< .001	mg/l			WG654844	04/06/13 11:30
1,2-Dichlorobenzene	< .001	mg/l			WG654844	04/06/13 11:30
1,2-Dichloroethane	< .001	mg/l			WG654844	04/06/13 11:30
1,2-Dichloropropane	< .001	mg/l			WG654844	04/06/13 11:30
1,3,5-Trimethylbenzene	< .001	mg/l			WG654844	04/06/13 11:30
1,3-Dichlorobenzene	< .001	mg/l			WG654844	04/06/13 11:30
1,3-Dichloropropane	< .001	mg/l			WG654844	04/06/13 11:30
1,4-Dichlorobenzene	< .001	mg/l			WG654844	04/06/13 11:30
2,2-Dichloropropane	< .001	mg/l			WG654844	04/06/13 11:30
2-Butanone (MEK)	< .01	mg/l			WG654844	04/06/13 11:30
2-Chloroethyl vinyl ether	< .05	mg/l			WG654844	04/06/13 11:30
2-Chlorotoluene	< .001	mg/l			WG654844	04/06/13 11:30
4-Chlorotoluene	< .001	mg/l			WG654844	04/06/13 11:30
4-Methyl-2-pentanone (MIBK)	< .01	mg/l			WG654844	04/06/13 11:30
Acetone	< .05	mg/l			WG654844	04/06/13 11:30
Acrolein	< .025	mg/l			WG654844	04/06/13 11:30
Acrylonitrile	< .01	mg/l			WG654844	04/06/13 11:30
Benzene	< .001	mg/l			WG654844	04/06/13 11:30
Bromobenzene	< .001	mg/l			WG654844	04/06/13 11:30
Bromodichloromethane	< .001	mg/l			WG654844	04/06/13 11:30
Bromoform	< .001	mg/l			WG654844	04/06/13 11:30
Bromomethane	< .005	mg/l			WG654844	04/06/13 11:30
Carbon tetrachloride	< .001	mg/l			WG654844	04/06/13 11:30
Chlorobenzene	< .001	mg/l			WG654844	04/06/13 11:30
Chlorodibromomethane	< .001	mg/l			WG654844	04/06/13 11:30
Chloroethane	< .005	mg/l			WG654844	04/06/13 11:30
Chloroform	< .005	mg/l			WG654844	04/06/13 11:30
Chloromethane	< .0025	mg/l			WG654844	04/06/13 11:30
cis-1,2-Dichloroethene	< .001	mg/l			WG654844	04/06/13 11:30
cis-1,3-Dichloropropene	< .001	mg/l			WG654844	04/06/13 11:30
Di-isopropyl ether	< .001	mg/l			WG654844	04/06/13 11:30
Dibromomethane	< .001	mg/l			WG654844	04/06/13 11:30
Dichlorodifluoromethane	< .005	mg/l			WG654844	04/06/13 11:30
Ethylbenzene	< .001	mg/l			WG654844	04/06/13 11:30
Hexachloro-1,3-butadiene	< .001	mg/l			WG654844	04/06/13 11:30
Isopropylbenzene	< .001	mg/l			WG654844	04/06/13 11:30
Methyl tert-butyl ether	< .001	mg/l			WG654844	04/06/13 11:30
Methylene Chloride	< .005	mg/l			WG654844	04/06/13 11:30
n-Butylbenzene	< .001	mg/l			WG654844	04/06/13 11:30
n-Propylbenzene	< .001	mg/l			WG654844	04/06/13 11:30
Naphthalene	< .005	mg/l			WG654844	04/06/13 11:30
p-Isopropyltoluene	< .001	mg/l			WG654844	04/06/13 11:30
sec-Butylbenzene	< .001	mg/l			WG654844	04/06/13 11:30
Styrene	< .001	mg/l			WG654844	04/06/13 11:30
tert-Butylbenzene	< .001	mg/l			WG654844	04/06/13 11:30
Tetrachloroethene	< .001	mg/l			WG654844	04/06/13 11:30
Toluene	< .005	mg/l			WG654844	04/06/13 11:30

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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S&ME Inc. - Kennesaw GA
Peter Fleury
3380 Town Point Drive Suite 140
Kennesaw, GA 30144

Quality Assurance Report
Level II

L628893

April 09, 2013

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
trans-1,2-Dichloroethene	< .001	mg/l			WG654844	04/06/13 11:30
trans-1,3-Dichloropropene	< .001	mg/l			WG654844	04/06/13 11:30
Trichloroethene	< .001	mg/l			WG654844	04/06/13 11:30
Trichlorofluoromethane	< .005	mg/l			WG654844	04/06/13 11:30
Vinyl chloride	< .001	mg/l			WG654844	04/06/13 11:30
Xylenes, Total	< .003	mg/l			WG654844	04/06/13 11:30
4-Bromofluorobenzene		% Rec.	98.54	82-120	WG654844	04/06/13 11:30
Dibromofluoromethane		% Rec.	101.9	82-126	WG654844	04/06/13 11:30
Toluene-d8		% Rec.	97.46	92-112	WG654844	04/06/13 11:30
cis-1,2-Dichloroethene	< .001	mg/l			WG655094	04/08/13 15:09
4-Bromofluorobenzene		% Rec.	98.58	82-120	WG655094	04/08/13 15:09
Dibromofluoromethane		% Rec.	102.3	82-126	WG655094	04/08/13 15:09
Toluene-d8		% Rec.	102.6	92-112	WG655094	04/08/13 15:09

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
1,1,1,2-Tetrachloroethane	mg/l	.025	0.0253	101.	77-128	WG654844
1,1,1-Trichloroethane	mg/l	.025	0.0274	110.	71-126	WG654844
1,1,2,2-Tetrachloroethane	mg/l	.025	0.0267	107.	78-130	WG654844
1,1,2-Trichloroethane	mg/l	.025	0.0253	101.	81-121	WG654844
1,1-Dichloroethane	mg/l	.025	0.0265	106.	73-123	WG654844
1,1-Dichloroethene	mg/l	.025	0.0275	110.	54-134	WG654844
1,1-Dichloropropene	mg/l	.025	0.0278	111.	67-127	WG654844
1,2,3-Trichlorobenzene	mg/l	.025	0.0279	112.	77-130	WG654844
1,2,3-Trichloropropane	mg/l	.025	0.0250	100.	68-130	WG654844
1,2,4-Trichlorobenzene	mg/l	.025	0.0275	110.	76-127	WG654844
1,2,4-Trimethylbenzene	mg/l	.025	0.0251	100.	77-129	WG654844
1,2-Dibromo-3-Chloropropane	mg/l	.025	0.0293	117.	55-142	WG654844
1,2-Dibromoethane	mg/l	.025	0.0255	102.	78-124	WG654844
1,2-Dichlorobenzene	mg/l	.025	0.0266	106.	82-121	WG654844
1,2-Dichloroethane	mg/l	.025	0.0289	116.	69-128	WG654844
1,2-Dichloropropane	mg/l	.025	0.0256	103.	77-121	WG654844
1,3,5-Trimethylbenzene	mg/l	.025	0.0260	104.	78-127	WG654844
1,3-Dichlorobenzene	mg/l	.025	0.0248	99.3	77-127	WG654844
1,3-Dichloropropane	mg/l	.025	0.0240	96.1	78-117	WG654844
1,4-Dichlorobenzene	mg/l	.025	0.0259	104.	79-117	WG654844
2,2-Dichloropropane	mg/l	.025	0.0271	109.	63-130	WG654844
2-Butanone (MEK)	mg/l	.125	0.152	122.	58-144	WG654844
2-Chloroethyl vinyl ether	mg/l	.125	0.137	109.	26-172	WG654844
2-Chlorotoluene	mg/l	.025	0.0250	100.	78-123	WG654844
4-Chlorotoluene	mg/l	.025	0.0246	98.3	78-122	WG654844
4-Methyl-2-pentanone (MIBK)	mg/l	.125	0.147	118.	58-147	WG654844
Acetone	mg/l	.125	0.143	114.	49-153	WG654844
Acrolein	mg/l	.125	0.120	96.2	10-181	WG654844
Acrylonitrile	mg/l	.125	0.152	122.	53-153	WG654844
Benzene	mg/l	.025	0.0264	106.	72-119	WG654844
Bromobenzene	mg/l	.025	0.0239	95.7	76-121	WG654844
Bromodichloromethane	mg/l	.025	0.0268	107.	75-127	WG654844
Bromoform	mg/l	.025	0.0259	104.	61-136	WG654844
Bromomethane	mg/l	.025	0.0307	123.	42-172	WG654844
Carbon tetrachloride	mg/l	.025	0.0277	111.	63-129	WG654844
Chlorobenzene	mg/l	.025	0.0244	97.6	78-123	WG654844
Chlorodibromomethane	mg/l	.025	0.0255	102.	73-128	WG654844
Chloroethane	mg/l	.025	0.0275	110.	52-164	WG654844
Chloroform	mg/l	.025	0.0274	110.	76-122	WG654844
Chloromethane	mg/l	.025	0.0260	104.	50-141	WG654844

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Peter Fleury
3380 Town Point Drive Suite 140
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Quality Assurance Report
Level II

L628893

April 09, 2013

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
cis-1,2-Dichloroethene	mg/l	.025	0.0270	108.	75-121	WG654844
cis-1,3-Dichloropropene	mg/l	.025	0.0277	111.	74-124	WG654844
Di-isopropyl ether	mg/l	.025	0.0268	107.	66-129	WG654844
Dibromomethane	mg/l	.025	0.0272	109.	77-124	WG654844
Dichlorodifluoromethane	mg/l	.025	0.0275	110.	33-173	WG654844
Ethylbenzene	mg/l	.025	0.0249	99.7	77-124	WG654844
Hexachloro-1,3-butadiene	mg/l	.025	0.0239	95.8	71-134	WG654844
Isopropylbenzene	mg/l	.025	0.0247	98.8	74-126	WG654844
Methyl tert-butyl ether	mg/l	.025	0.0294	118.	67-127	WG654844
Methylene Chloride	mg/l	.025	0.0265	106.	67-122	WG654844
n-Butylbenzene	mg/l	.025	0.0275	110.	74-130	WG654844
n-Propylbenzene	mg/l	.025	0.0243	97.0	77-125	WG654844
Naphthalene	mg/l	.025	0.0297	119.	70-134	WG654844
p-Isopropyltoluene	mg/l	.025	0.0257	103.	77-132	WG654844
sec-Butylbenzene	mg/l	.025	0.0250	100.	77-130	WG654844
Styrene	mg/l	.025	0.0253	101.	69-145	WG654844
tert-Butylbenzene	mg/l	.025	0.0253	101.	76-131	WG654844
Tetrachloroethene	mg/l	.025	0.0228	91.2	69-131	WG654844
Toluene	mg/l	.025	0.0257	103.	75-114	WG654844
trans-1,2-Dichloroethene	mg/l	.025	0.0276	111.	63-127	WG654844
trans-1,3-Dichloropropene	mg/l	.025	0.0287	115.	69-124	WG654844
Trichloroethene	mg/l	.025	0.0262	105.	69-131	WG654844
Trichlorofluoromethane	mg/l	.025	0.0282	113.	53-161	WG654844
Vinyl chloride	mg/l	.025	0.0273	109.	55-142	WG654844
Xylenes, Total	mg/l	.075	0.0751	100.	77-123	WG654844
4-Bromofluorobenzene				92.44	82-120	WG654844
Dibromofluoromethane				103.0	82-126	WG654844
Toluene-d8				98.66	92-112	WG654844
cis-1,2-Dichloroethene	mg/l	.025	0.0213	85.3	75-121	WG655094
4-Bromofluorobenzene				95.90	82-120	WG655094
Dibromofluoromethane				103.3	82-126	WG655094
Toluene-d8				103.4	92-112	WG655094

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
1,1,1,2-Tetrachloroethane	mg/l	0.0262	0.0253	105.	77-128	3.33	20	WG654844
1,1,1-Trichloroethane	mg/l	0.0276	0.0274	110.	71-126	0.670	20	WG654844
1,1,2,2-Tetrachloroethane	mg/l	0.0264	0.0267	105.	78-130	1.10	20	WG654844
1,1,2-Trichloroethane	mg/l	0.0265	0.0253	106.	81-121	4.83	20	WG654844
1,1-Dichloroethane	mg/l	0.0262	0.0265	105.	73-123	1.37	20	WG654844
1,1-Dichloroethene	mg/l	0.0266	0.0275	106.	54-134	3.14	20	WG654844
1,1-Dichloropropene	mg/l	0.0277	0.0278	111.	67-127	0.230	20	WG654844
1,2,3-Trichlorobenzene	mg/l	0.0268	0.0279	107.	77-130	3.99	20	WG654844
1,2,3-Trichloropropane	mg/l	0.0251	0.0250	100.	68-130	0.220	20	WG654844
1,2,4-Trichlorobenzene	mg/l	0.0269	0.0275	108.	76-127	2.30	20	WG654844
1,2,4-Trimethylbenzene	mg/l	0.0265	0.0251	106.	77-129	5.49	20	WG654844
1,2-Dibromo-3-Chloropropane	mg/l	0.0265	0.0293	106.	55-142	9.84	20	WG654844
1,2-Dibromoethane	mg/l	0.0263	0.0255	105.	78-124	3.04	20	WG654844
1,2-Dichlorobenzene	mg/l	0.0271	0.0266	108.	82-121	2.04	20	WG654844
1,2-Dichloroethane	mg/l	0.0278	0.0289	111.	69-128	3.86	20	WG654844
1,2-Dichloropropane	mg/l	0.0266	0.0256	106.	77-121	3.82	20	WG654844
1,3,5-Trimethylbenzene	mg/l	0.0270	0.0260	108.	78-127	3.73	20	WG654844
1,3-Dichlorobenzene	mg/l	0.0258	0.0248	103.	77-127	3.81	20	WG654844
1,3-Dichloropropane	mg/l	0.0259	0.0240	104.	78-117	7.62	20	WG654844
1,4-Dichlorobenzene	mg/l	0.0267	0.0259	107.	79-117	3.09	20	WG654844
2,2-Dichloropropane	mg/l	0.0281	0.0271	112.	63-130	3.32	20	WG654844

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Quality Assurance Report
Level II

L628893

April 09, 2013

		Laboratory Control Sample Duplicate						
Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
2-Butanone (MEK)	mg/l	0.136	0.152	109.	58-144	11.2	20	WG654844
2-Chloroethyl vinyl ether	mg/l	0.144	0.137	115.	26-172	5.46	22	WG654844
2-Chlorotoluene	mg/l	0.0260	0.0250	104.	78-123	3.75	20	WG654844
4-Chlorotoluene	mg/l	0.0259	0.0246	103.	78-122	5.13	20	WG654844
4-Methyl-2-pentanone (MIBK)	mg/l	0.140	0.147	112.	58-147	5.12	20	WG654844
Acetone	mg/l	0.137	0.143	109.	49-153	4.58	21	WG654844
Acrolein	mg/l	0.114	0.120	91.0	10-181	5.33	30	WG654844
Acrylonitrile	mg/l	0.139	0.152	111.	53-153	9.22	20	WG654844
Benzene	mg/l	0.0270	0.0264	108.	72-119	2.08	20	WG654844
Bromobenzene	mg/l	0.0255	0.0239	102.	76-121	6.28	20	WG654844
Bromodichloromethane	mg/l	0.0273	0.0268	109.	75-127	2.01	20	WG654844
Bromoform	mg/l	0.0269	0.0259	108.	61-136	3.58	20	WG654844
Bromomethane	mg/l	0.0300	0.0307	120.	42-172	2.46	20	WG654844
Carbon tetrachloride	mg/l	0.0276	0.0277	110.	63-129	0.390	20	WG654844
Chlorobenzene	mg/l	0.0263	0.0244	105.	78-123	7.41	20	WG654844
Chlorodibromomethane	mg/l	0.0265	0.0255	106.	73-128	3.78	20	WG654844
Chloroethane	mg/l	0.0268	0.0275	107.	52-164	2.48	20	WG654844
Chloroform	mg/l	0.0268	0.0274	107.	76-122	2.36	20	WG654844
Chloromethane	mg/l	0.0254	0.0260	101.	50-141	2.42	20	WG654844
cis-1,2-Dichloroethene	mg/l	0.0261	0.0270	104.	75-121	3.41	20	WG654844
cis-1,3-Dichloropropene	mg/l	0.0280	0.0277	112.	74-124	1.15	20	WG654844
Di-isopropyl ether	mg/l	0.0258	0.0268	103.	66-129	3.71	20	WG654844
Dibromomethane	mg/l	0.0266	0.0272	106.	77-124	2.01	20	WG654844
Dichlorodifluoromethane	mg/l	0.0262	0.0275	105.	33-173	4.64	20	WG654844
Ethylbenzene	mg/l	0.0265	0.0249	106.	77-124	6.22	20	WG654844
Hexachloro-1,3-butadiene	mg/l	0.0256	0.0239	102.	71-134	6.52	20	WG654844
Isopropylbenzene	mg/l	0.0267	0.0247	107.	74-126	7.93	20	WG654844
Methyl tert-butyl ether	mg/l	0.0274	0.0294	110.	67-127	6.91	20	WG654844
Methylene Chloride	mg/l	0.0264	0.0265	106.	67-122	0.450	20	WG654844
n-Butylbenzene	mg/l	0.0279	0.0275	112.	74-130	1.44	20	WG654844
n-Propylbenzene	mg/l	0.0261	0.0243	104.	77-125	7.48	20	WG654844
Naphthalene	mg/l	0.0272	0.0297	109.	70-134	8.61	20	WG654844
p-Isopropyltoluene	mg/l	0.0265	0.0257	106.	77-132	3.31	20	WG654844
sec-Butylbenzene	mg/l	0.0263	0.0250	105.	77-130	4.92	20	WG654844
Styrene	mg/l	0.0274	0.0253	110.	69-145	8.19	20	WG654844
tert-Butylbenzene	mg/l	0.0266	0.0253	106.	76-131	4.84	20	WG654844
Tetrachloroethene	mg/l	0.0249	0.0228	100.	69-131	8.97	20	WG654844
Toluene	mg/l	0.0267	0.0257	107.	75-114	3.77	20	WG654844
trans-1,2-Dichloroethene	mg/l	0.0267	0.0276	107.	63-127	3.23	20	WG654844
trans-1,3-Dichloropropene	mg/l	0.0294	0.0287	117.	69-124	2.33	20	WG654844
Trichloroethene	mg/l	0.0265	0.0262	106.	69-131	0.980	20	WG654844
Trichlorofluoromethane	mg/l	0.0277	0.0282	111.	53-161	1.91	20	WG654844
Vinyl chloride	mg/l	0.0262	0.0273	105.	55-142	4.02	20	WG654844
Xylenes, Total	mg/l	0.0794	0.0751	106.	77-123	5.63	20	WG654844
4-Bromofluorobenzene				95.59	82-120			WG654844
Dibromofluoromethane				100.4	82-126			WG654844
Toluene-d8				99.18	92-112			WG654844
cis-1,2-Dichloroethene	mg/l	0.0246	0.0213	98.0	75-121	14.2	20	WG655094
4-Bromofluorobenzene				97.62	82-120			WG655094
Dibromofluoromethane				103.6	82-126			WG655094
Toluene-d8				103.8	92-112			WG655094

		Matrix Spike						
Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
1,1,1,2-Tetrachloroethane	mg/l	0.0265	0	.025	106.	71-130	L628890-01	WG654844
1,1,1-Trichloroethane	mg/l	0.0274	0	.025	110.	58-137	L628890-01	WG654844

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Est. 1970

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Quality Assurance Report
Level II

L628893

April 09, 2013

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
1,1,2,2-Tetrachloroethane	mg/l	0.0250	0	.025	100.	64-149	L628890-01	WG654844
1,1,2-Trichloroethane	mg/l	0.0257	0	.025	103.	73-128	L628890-01	WG654844
1,1-Dichloroethane	mg/l	0.0256	0	.025	102.	58-133	L628890-01	WG654844
1,1-Dichloroethene	mg/l	0.0253	0	.025	101.	32-152	L628890-01	WG654844
1,1-Dichloropropene	mg/l	0.0253	0	.025	101.	50-140	L628890-01	WG654844
1,2,3-Trichlorobenzene	mg/l	0.0267	0	.025	107.	68-135	L628890-01	WG654844
1,2,3-Trichloropropane	mg/l	0.0241	0	.025	96.6	74-137	L628890-01	WG654844
1,2,4-Trichlorobenzene	mg/l	0.0277	0	.025	111.	67-133	L628890-01	WG654844
1,2,4-Trimethylbenzene	mg/l	0.0263	0	.025	105.	62-141	L628890-01	WG654844
1,2-Dibromo-3-Chloropropane	mg/l	0.0249	0	.025	99.4	55-148	L628890-01	WG654844
1,2-Dibromoethane	mg/l	0.0247	0	.025	98.7	71-129	L628890-01	WG654844
1,2-Dichlorobenzene	mg/l	0.0261	0	.025	104.	75-125	L628890-01	WG654844
1,2-Dichloroethane	mg/l	0.0259	0	.025	104.	59-135	L628890-01	WG654844
1,2-Dichloropropane	mg/l	0.0249	0	.025	99.7	68-126	L628890-01	WG654844
1,3,5-Trimethylbenzene	mg/l	0.0278	0	.025	111.	67-136	L628890-01	WG654844
1,3-Dichlorobenzene	mg/l	0.0261	0	.025	104.	69-131	L628890-01	WG654844
1,3-Dichloropropane	mg/l	0.0245	0	.025	97.9	70-122	L628890-01	WG654844
1,4-Dichlorobenzene	mg/l	0.0260	0	.025	104.	70-123	L628890-01	WG654844
2,2-Dichloropropane	mg/l	0.0264	0	.025	105.	51-141	L628890-01	WG654844
2-Butanone (MEK)	mg/l	0.102	0.000321	.125	81.1	51-149	L628890-01	WG654844
2-Chloroethyl vinyl ether	mg/l	0.00987	0	.125	7.90*	10-161	L628890-01	WG654844
2-Chlorotoluene	mg/l	0.0262	0	.025	105.	65-133	L628890-01	WG654844
4-Chlorotoluene	mg/l	0.0263	0	.025	105.	67-129	L628890-01	WG654844
4-Methyl-2-pentanone (MIBK)	mg/l	0.144	0	.125	115.	53-154	L628890-01	WG654844
Acetone	mg/l	0.0951	0.00377	.125	73.1	34-146	L628890-01	WG654844
Acrolein	mg/l	0.165	0	.125	132.	10-189	L628890-01	WG654844
Acrylonitrile	mg/l	0.115	0	.125	91.8	49-162	L628890-01	WG654844
Benzene	mg/l	0.0257	0	.025	103.	51-134	L628890-01	WG654844
Bromobenzene	mg/l	0.0256	0	.025	102.	64-130	L628890-01	WG654844
Bromodichloromethane	mg/l	0.0252	0	.025	101.	67-132	L628890-01	WG654844
Bromoform	mg/l	0.0259	0	.025	104.	59-137	L628890-01	WG654844
Bromomethane	mg/l	0.0295	0	.025	118.	23-177	L628890-01	WG654844
Carbon tetrachloride	mg/l	0.0274	0	.025	110.	49-140	L628890-01	WG654844
Chlorobenzene	mg/l	0.0258	0	.025	103.	69-126	L628890-01	WG654844
Chlorodibromomethane	mg/l	0.0251	0	.025	100.	68-130	L628890-01	WG654844
Chloroethane	mg/l	0.0264	0	.025	106.	32-177	L628890-01	WG654844
Chloroform	mg/l	0.0297	0	.025	119.	64-130	L628890-01	WG654844
Chloromethane	mg/l	0.0248	0	.025	99.0	27-155	L628890-01	WG654844
cis-1,2-Dichloroethene	mg/l	0.0255	0	.025	102.	54-137	L628890-01	WG654844
cis-1,3-Dichloropropene	mg/l	0.0256	0	.025	102.	63-127	L628890-01	WG654844
Di-isopropyl ether	mg/l	0.0265	0	.025	106.	58-133	L628890-01	WG654844
Dibromomethane	mg/l	0.0259	0	.025	103.	68-131	L628890-01	WG654844
Dichlorodifluoromethane	mg/l	0.0262	0	.025	105.	16-188	L628890-01	WG654844
Ethylbenzene	mg/l	0.0261	0	.025	104.	64-135	L628890-01	WG654844
Hexachloro-1,3-butadiene	mg/l	0.0245	0	.025	97.8	64-140	L628890-01	WG654844
Isopropylbenzene	mg/l	0.0295	0	.025	118.	62-134	L628890-01	WG654844
Methyl tert-butyl ether	mg/l	0.0266	0	.025	106.	55-136	L628890-01	WG654844
Methylene Chloride	mg/l	0.0232	0.000387	.025	91.2	52-130	L628890-01	WG654844
n-Butylbenzene	mg/l	0.0278	0	.025	111.	62-142	L628890-01	WG654844
n-Propylbenzene	mg/l	0.0270	0	.025	108.	62-137	L628890-01	WG654844
Naphthalene	mg/l	0.0262	0	.025	105.	65-140	L628890-01	WG654844
p-Isopropyltoluene	mg/l	0.0278	0	.025	111.	64-142	L628890-01	WG654844
sec-Butylbenzene	mg/l	0.0271	0	.025	108.	67-139	L628890-01	WG654844
Styrene	mg/l	0.0277	0	.025	111.	58-152	L628890-01	WG654844
tert-Butylbenzene	mg/l	0.0267	0	.025	107.	66-139	L628890-01	WG654844
Tetrachloroethene	mg/l	0.0248	0	.025	99.2	56-139	L628890-01	WG654844
Toluene	mg/l	0.0259	0	.025	104.	61-126	L628890-01	WG654844
trans-1,2-Dichloroethene	mg/l	0.0260	0	.025	104.	45-137	L628890-01	WG654844
trans-1,3-Dichloropropene	mg/l	0.0264	0	.025	106.	59-130	L628890-01	WG654844

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Quality Assurance Report
Level II

L628893

April 09, 2013

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Trichloroethene	mg/l	0.0247	0	.025	98.7	40-155	L628890-01	WG654844
Trichlorofluoromethane	mg/l	0.0271	0	.025	108.	35-177	L628890-01	WG654844
Vinyl chloride	mg/l	0.0261	0	.025	104.	32-159	L628890-01	WG654844
Xylenes, Total	mg/l	0.0802	0	.075	107.	64-133	L628890-01	WG654844
4-Bromofluorobenzene					100.6	82-120		WG654844
Dibromofluoromethane					99.54	82-126		WG654844
Toluene-d8					99.56	92-112		WG654844
cis-1,2-Dichloroethene	mg/l	0.0241	0	.025	96.5	54-137	L629160-01	WG655094
4-Bromofluorobenzene					96.18	82-120		WG655094
Dibromofluoromethane					103.2	82-126		WG655094
Toluene-d8					104.1	92-112		WG655094

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
1,1,1,2-Tetrachloroethane	mg/l	0.0274	0.0265	110.	71-130	3.47	20	L628890-01	WG654844
1,1,1-Trichloroethane	mg/l	0.0294	0.0274	118.	58-137	6.99	20	L628890-01	WG654844
1,1,2,2-Tetrachloroethane	mg/l	0.0278	0.0250	111.	64-149	10.6	20	L628890-01	WG654844
1,1,2-Trichloroethane	mg/l	0.0272	0.0257	109.	73-128	5.68	20	L628890-01	WG654844
1,1-Dichloroethane	mg/l	0.0281	0.0256	112.	58-133	9.04	20	L628890-01	WG654844
1,1-Dichloroethene	mg/l	0.0271	0.0253	108.	32-152	6.87	20	L628890-01	WG654844
1,1-Dichloropropene	mg/l	0.0280	0.0253	112.	50-140	10.2	20	L628890-01	WG654844
1,2,3-Trichlorobenzene	mg/l	0.0285	0.0267	114.	68-135	6.41	20	L628890-01	WG654844
1,2,3-Trichloropropane	mg/l	0.0265	0.0241	106.	74-137	9.16	20	L628890-01	WG654844
1,2,4-Trichlorobenzene	mg/l	0.0298	0.0277	119.	67-133	7.27	20	L628890-01	WG654844
1,2,4-Trimethylbenzene	mg/l	0.0273	0.0263	109.	62-141	3.67	20	L628890-01	WG654844
1,2-Dibromo-3-Chloropropane	mg/l	0.0313	0.0249	125.	55-148	23.0*	22	L628890-01	WG654844
1,2-Dibromoethane	mg/l	0.0281	0.0247	112.	71-129	13.1	20	L628890-01	WG654844
1,2-Dichlorobenzene	mg/l	0.0280	0.0261	112.	75-125	7.20	20	L628890-01	WG654844
1,2-Dichloroethane	mg/l	0.0293	0.0259	117.	59-135	12.5	20	L628890-01	WG654844
1,2-Dichloropropane	mg/l	0.0275	0.0249	110.	68-126	9.73	20	L628890-01	WG654844
1,3,5-Trimethylbenzene	mg/l	0.0279	0.0278	112.	67-136	0.440	20	L628890-01	WG654844
1,3-Dichlorobenzene	mg/l	0.0275	0.0261	110.	69-131	5.14	20	L628890-01	WG654844
1,3-Dichloropropane	mg/l	0.0267	0.0245	107.	70-122	8.56	20	L628890-01	WG654844
1,4-Dichlorobenzene	mg/l	0.0278	0.0260	111.	70-123	6.95	20	L628890-01	WG654844
2,2-Dichloropropane	mg/l	0.0300	0.0264	120.	51-141	12.8	20	L628890-01	WG654844
2-Butanone (MEK)	mg/l	0.126	0.102	101.	51-149	21.6	22	L628890-01	WG654844
2-Chloroethyl vinyl ether	mg/l	0.00139	0.00987	1.11*	10-161	151.*	40	L628890-01	WG654844
2-Chlorotoluene	mg/l	0.0263	0.0262	105.	65-133	0.280	20	L628890-01	WG654844
4-Chlorotoluene	mg/l	0.0271	0.0263	108.	67-129	2.85	20	L628890-01	WG654844
4-Methyl-2-pentanone (MIBK)	mg/l	0.173	0.144	139.	53-154	18.4	21	L628890-01	WG654844
Acetone	mg/l	0.116	0.0951	89.5	34-146	19.5	22	L628890-01	WG654844
Acrolein	mg/l	0.199	0.165	159.	10-189	18.8	30	L628890-01	WG654844
Acrylonitrile	mg/l	0.143	0.115	114.	49-162	22.0*	20	L628890-01	WG654844
Benzene	mg/l	0.0280	0.0257	112.	51-134	8.40	20	L628890-01	WG654844
Bromobenzene	mg/l	0.0266	0.0256	106.	64-130	3.90	20	L628890-01	WG654844
Bromodichloromethane	mg/l	0.0274	0.0252	110.	67-132	8.51	20	L628890-01	WG654844
Bromoform	mg/l	0.0284	0.0259	114.	59-137	9.02	20	L628890-01	WG654844
Bromomethane	mg/l	0.0319	0.0295	128.	23-177	8.07	21	L628890-01	WG654844
Carbon tetrachloride	mg/l	0.0291	0.0274	116.	49-140	5.75	20	L628890-01	WG654844
Chlorobenzene	mg/l	0.0265	0.0258	106.	69-126	2.79	20	L628890-01	WG654844
Chlorodibromomethane	mg/l	0.0274	0.0251	110.	68-130	8.60	20	L628890-01	WG654844
Chloroethane	mg/l	0.0278	0.0264	111.	32-177	5.21	21	L628890-01	WG654844
Chloroform	mg/l	0.0342	0.0297	137.*	64-130	14.3	20	L628890-01	WG654844
Chloromethane	mg/l	0.0272	0.0248	109.	27-155	9.45	20	L628890-01	WG654844
cis-1,2-Dichloroethene	mg/l	0.0283	0.0255	113.	54-137	10.6	20	L628890-01	WG654844
cis-1,3-Dichloropropene	mg/l	0.0278	0.0256	111.	63-127	8.33	20	L628890-01	WG654844

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

ESC LAB SCIENCES
YOUR LAB OF CHOICE

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

S&ME Inc. - Kennesaw GA
Peter Fleury
3380 Town Point Drive Suite 140
Kennesaw, GA 30144

Quality Assurance Report
Level II

L628893

April 09, 2013

Analyte	Units	Matrix Spike MSD	Duplicate Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Di-isopropyl ether	mg/l	0.0298	0.0265	119.	58-133	11.6	20	L628890-01	WG654844
Dibromomethane	mg/l	0.0294	0.0259	118.	68-131	12.8	20	L628890-01	WG654844
Dichlorodifluoromethane	mg/l	0.0279	0.0262	112.	16-188	6.52	22	L628890-01	WG654844
Ethylbenzene	mg/l	0.0275	0.0261	110.	64-135	5.15	20	L628890-01	WG654844
Hexachloro-1,3-butadiene	mg/l	0.0256	0.0245	102.	64-140	4.52	20	L628890-01	WG654844
Isopropylbenzene	mg/l	0.0299	0.0295	120.	62-134	1.22	20	L628890-01	WG654844
Methyl tert-butyl ether	mg/l	0.0316	0.0266	126.	55-136	17.1	20	L628890-01	WG654844
Methylene Chloride	mg/l	0.0274	0.0232	108.	52-130	16.8	20	L628890-01	WG654844
n-Butylbenzene	mg/l	0.0288	0.0278	115.	62-142	3.47	20	L628890-01	WG654844
n-Propylbenzene	mg/l	0.0274	0.0270	109.	62-137	1.20	20	L628890-01	WG654844
Naphthalene	mg/l	0.0304	0.0262	122.	65-140	15.1	20	L628890-01	WG654844
p-Isopropyltoluene	mg/l	0.0286	0.0278	114.	64-142	2.97	20	L628890-01	WG654844
sec-Butylbenzene	mg/l	0.0277	0.0271	111.	67-139	2.27	20	L628890-01	WG654844
Styrene	mg/l	0.0285	0.0277	114.	58-152	3.08	20	L628890-01	WG654844
tert-Butylbenzene	mg/l	0.0276	0.0267	110.	66-139	3.39	20	L628890-01	WG654844
Tetrachloroethene	mg/l	0.0256	0.0248	102.	56-139	3.38	20	L628890-01	WG654844
Toluene	mg/l	0.0272	0.0259	109.	61-126	4.81	20	L628890-01	WG654844
trans-1,2-Dichloroethene	mg/l	0.0275	0.0260	110.	45-137	5.71	20	L628890-01	WG654844
trans-1,3-Dichloropropene	mg/l	0.0294	0.0264	118.	59-130	10.6	20	L628890-01	WG654844
Trichloroethene	mg/l	0.0268	0.0247	107.	40-155	8.19	20	L628890-01	WG654844
Trichlorofluoromethane	mg/l	0.0290	0.0271	116.	35-177	6.99	23	L628890-01	WG654844
Vinyl chloride	mg/l	0.0277	0.0261	111.	32-159	5.97	21	L628890-01	WG654844
Xylenes, Total	mg/l	0.0823	0.0802	110.	64-133	2.60	20	L628890-01	WG654844
4-Bromofluorobenzene				96.27	82-120				WG654844
Dibromofluoromethane				103.2	82-126				WG654844
Toluene-d8				98.21	92-112				WG654844
cis-1,2-Dichloroethene	mg/l	0.0239	0.0241	95.5	54-137	1.06	20	L629160-01	WG655094
4-Bromofluorobenzene				98.67	82-120				WG655094
Dibromofluoromethane				103.0	82-126				WG655094
Toluene-d8				102.9	92-112				WG655094

Batch number /Run number / Sample number cross reference

WG654844: R2605538: L628893-01 02 03
WG655094: R2607324: L628893-02

* * Calculations are performed prior to rounding of reported values.
* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Est. 1970

S&ME Inc. - Kennesaw GA
Peter Fleury
3380 Town Point Drive Suite 140

Kennesaw, GA 30144

Quality Assurance Report
Level II

L628893

April 09, 2013

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

Company Name/Address:

S&ME Inc. - Kennesaw GA

3380 Town Point Drive Suite 140
Kennesaw.GA 30144

Billing Information:

Accounts Payable
3380 Town Point Drive Suite 140

Kennesaw,GA 30144

Analysis/Container/Preservative

Chain of Custody
Page 1 of 1

C147

ESC LAB SCIENCES
12065 Lebanon Road
Mt. Juliet, TN 37122

Phone: (800) 767-5859
Phone: (615) 758-5858
Fax: (615) 758-5859

Report to: PETER FLEURY

Email to: PFLEURY@SMEINC.COM

Project Description: DEAR CLEANERS

City/State Collected: LAGRANGE, GA

Phone: (770) 919-0969
FAX: (770) 919-2360

Client Project #: 1804-13-164

ESC Key:

Collected by: (print) CHRIS HUNTER

Site/Facility ID#:

P.O.#: 1804-13-164

Collected by (signature):

Immediately Packed on Ice N (Y)

Rush? (Lab MUST Be Notified)
____ Same Day. 200%
____ Next Day. 100%
____ Two Day. 50%
____ Three Day. 25%

Date Results Needed:

Email? __No X Yes
FAX? X No __Yes

CoCode SMEKEN (lab use only)
Template/Prelogin
Shipped Via:

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	VOCs 8260B	Remarks/Contaminant	Sample # (lab only)
B-2	G	GW	-	4-2-13	1200	2	X		1628893-01
B-3	G	GW	-	4-2-13	1207	2	X		02
B-4	G	GW	-	4-2-13	1215	2	X		03

*Matrix: **SS** - Soil/Solid **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other_____

Remarks: 5547 0231 7801

pH _____ Temp _____

Flow _____ Other _____

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☑ FedEx ☐ Courier ☐ _____	Condition: (lab use only)
	4-4-13	10:15	215pm 4-4-13		
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 2.7°C	Bottles Received: 16 GU
	4-4-13	2:30			CoC Seals Intact ✓ Y ___ N ___ NA
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/5/13	Time: 0970
					pH Checked: NCF:

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

September 26, 2017

Michael Haller
Sailors Engineering Associates

1675 Spectrum Drive
Lawrenceville GA 30043

RE: Ideal Cleaners

Dear Michael Haller: Order No: 1709A86

Analytical Environmental Services, Inc. received 8 samples on 9/14/2017 1:49:00 PM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES's accreditations are as follows:
-NELAP/Florida State Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, Air & Emissions for Organics, and Drinking Water Microbiology & Metals, effective 07/01/17-06/30/18.
State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective 07/01/17-06/30/18 and Total Coliforms/ E. coli, effective 04/25/17-04/24/20.
-NELAP/Louisiana Agency Interest No. 100818 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 07/01/17-06/30/18.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Metals, PCM Asbestos, Gravimetric), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 11/01/17.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Tyrel Heckendorf

Project Manager

Work Order: 709A86

ANALYTICAL ENVIRONMENTAL SERVICES, INC.
3080 Presidential Drive Atlanta, GA 30340-3704
Phone: (770) 457-8177 / Toll-Free: (800) 972-4889 / Fax: (770) 457-8188

CHAIN OF CUSTODY

Date: 9-14-17 Page 1 of 1

COMPANY: SEA	ADDRESS: 1675 Spectrum Drive Lawrenceville, GA
PHONE: (770)962-5922	EMAIL:
SAMPLED BY: Joe Kinard	SIGNATURE:

#	SAMPLE ID	SAMPLED: DATE	SAMPLED: TIME	GRAB	COMPOSITE	MATRIX (see codes)	VOCs	SVOCs											REMARKS	Number of Containers
	PRESERVATION (see codes)																			
1	DP-1 4'	9-14-17	9:58	✓		SO	✓	✓												6
2	DP-2 4.5'		10:06	✓			✓	✓												6
3	DP-2 6'		10:31	✓			✓	✓												6
4	DP-3 4'		9:44	✓			✓	✓												6
5	DP-4 4'		9:34	✓			✓	✓												6
6	HA-1 4'		10:47	✓			✓	✓												6
7	HA-2 4'		11:31	✓			✓	✓												6
8																				
9																				
10																				
11																				
12																				
13																				
14																				

Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.

RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1. Joseph Kinard	9-14-17/1:49pm	1.	9/14/17 1:40pm
2.		2.	
3.		3.	

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD
OUT: / / VIA:
IN: / / VIA:
(client) FedEx UPS US mail courier Greyhound
other: _____

PROJECT INFORMATION
PROJECT NAME: Ideal Cleaners
PROJECT #: 172-094
SITE ADDRESS: 224 Greenville St. LaGrange, GA
SEND REPORT TO: Mike Haller
INVOICE TO: (IF DIFFERENT FROM ABOVE)
QUOTE #: _____ PO#: _____

RECEIPT
Total # of Containers: 42

Turnaround Time (TAT) Request
- [x] Standard 5 Business Days
- [ ] 2 Business Day Rush
- [ ] Next Business Day Rush
- [ ] Same-Day Rush (auth req.)
- [ ] Other _____

STATE PROGRAM (if any): _____
E-mail? [x] Fax? [ ]
DATA PACKAGE: I ○ II ○ III ○ IV ○

Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Samples received after 3PM or on Saturday are considered as received the following business day. If no TAT is marked on COC, AES will proceed with standard TAT. Samples are disposed of 30 days after completion of report unless other arangements are made.

Matrix Codes: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water WW = Waste Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify)

Preservative Codes: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Client: Sailors Engineering Associates
Project: Ideal Cleaners
Lab ID: 1709A86

Case Narrative

Sample Receiving Non-conformance:

A Trip Blank was provided but not listed on the Chain of Custody. Trip blank analyzed at no cost to the client.

Volatiles Organic Compounds Analysis by Method 8260B_W/1312:

Due to sample matrix, samples 1709A86-002A, & -003A required dilution during preparation and/or analysis resulting in elevated reporting limits.

Due to sample matrix, sample 1709A86-002B, & -003B required dilution during preparation and/or analysis resulting in elevated reporting limits.

Trichloroethene value for the QC sample 1709A86-003AMS/MSD is "E" qualified indicating estimated value over linear calibration range due to the level of target analyte present in the unspiked sample.

Percent recovery for the internal standard compound 1,4-Dichlorobenzene-d4 on samples 1709A86-001A, -004A, -005A, -006A, & -007A was outside control limits biased low due to suspected matrix interference. All other internal standard recoveries were within control limits.

Tetrachloroethene value for sample 1709A86-006A is "E" qualified indicating an estimated value over linear calibration range.Sample was diluted and reanalyzed using the supplied methanol preserved sample at the minimum dilution allowed resulting in analytes being below reporting limits.

Analytical Environmental Services, Inc **Date:** 26-Sep-17

Client:	Sailors Engineering Associates	**Client Sample ID:**	DP-1 4'
Project Name:	Ideal Cleaners	**Collection Date:**	9/14/2017 9:58:00 AM
Lab ID:	1709A86-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 23:20	CJ
1,1,2,2-Tetrachloroethane	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 23:20	CJ
1,1,2-Trichloroethane	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 23:20	CJ
1,1-Dichloroethane	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 23:20	CJ
1,1-Dichloroethene	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 23:20	CJ
1,2,4-Trichlorobenzene	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 23:20	CJ
1,2-Dibromo-3-chloropropane	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 23:20	CJ
1,2-Dibromoethane	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 23:20	CJ
1,2-Dichlorobenzene	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 23:20	CJ
1,2-Dichloroethane	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 23:20	CJ
1,2-Dichloropropane	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 23:20	CJ
1,3-Dichlorobenzene	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 23:20	CJ
1,4-Dichlorobenzene	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 23:20	CJ
2-Butanone	BRL	0.051		mg/Kg-dry	248448	1	09/15/2017 23:20	CJ
2-Hexanone	BRL	0.010		mg/Kg-dry	248448	1	09/15/2017 23:20	CJ
4-Methyl-2-pentanone	BRL	0.010		mg/Kg-dry	248448	1	09/15/2017 23:20	CJ
Acetone	BRL	0.10		mg/Kg-dry	248448	1	09/15/2017 23:20	CJ
Benzene	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 23:20	CJ
Bromodichloromethane	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 23:20	CJ
Bromoform	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 23:20	CJ
Bromomethane	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 23:20	CJ
Carbon disulfide	BRL	0.010		mg/Kg-dry	248448	1	09/15/2017 23:20	CJ
Carbon tetrachloride	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 23:20	CJ
Chlorobenzene	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 23:20	CJ
Chloroethane	BRL	0.010		mg/Kg-dry	248448	1	09/15/2017 23:20	CJ
Chloroform	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 23:20	CJ
Chloromethane	BRL	0.010		mg/Kg-dry	248448	1	09/15/2017 23:20	CJ
cis-1,2-Dichloroethene	0.031	0.0051		mg/Kg-dry	248448	1	09/15/2017 23:20	CJ
cis-1,3-Dichloropropene	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 23:20	CJ
Cyclohexane	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 23:20	CJ
Dibromochloromethane	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 23:20	CJ
Dichlorodifluoromethane	BRL	0.010		mg/Kg-dry	248448	1	09/15/2017 23:20	CJ
Ethylbenzene	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 23:20	CJ
Freon-113	BRL	0.010		mg/Kg-dry	248448	1	09/15/2017 23:20	CJ
Isopropylbenzene	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 23:20	CJ
m,p-Xylene	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 23:20	CJ
Methyl acetate	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 23:20	CJ
Methyl tert-butyl ether	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 23:20	CJ
Methylcyclohexane	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 23:20	CJ
Methylene chloride	BRL	0.020		mg/Kg-dry	248448	1	09/15/2017 23:20	CJ
o-Xylene	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 23:20	CJ

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Sep-17

Client:	Sailors Engineering Associates	**Client Sample ID:**	DP-1 4'
Project Name:	Ideal Cleaners	**Collection Date:**	9/14/2017 9:58:00 AM
Lab ID:	1709A86-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Styrene	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 23:20	CJ
Tetrachloroethene	78	5.6		mg/Kg-dry	248428	1000	09/20/2017 14:27	NP
Toluene	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 23:20	CJ
trans-1,2-Dichloroethene	0.0060	0.0051		mg/Kg-dry	248448	1	09/15/2017 23:20	CJ
trans-1,3-Dichloropropene	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 23:20	CJ
Trichloroethene	5.9	5.6		mg/Kg-dry	248428	1000	09/20/2017 14:27	NP
Trichlorofluoromethane	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 23:20	CJ
Vinyl chloride	BRL	0.010		mg/Kg-dry	248448	1	09/15/2017 23:20	CJ
Surr: 4-Bromofluorobenzene	73.2	63-125		%REC	248448	1	09/15/2017 23:20	CJ
Surr: 4-Bromofluorobenzene	90.4	63-125		%REC	248428	1000	09/20/2017 14:27	NP
Surr: Dibromofluoromethane	94.1	69.9-123		%REC	248448	1	09/15/2017 23:20	CJ
Surr: Dibromofluoromethane	100	69.9-123		%REC	248428	1000	09/20/2017 14:27	NP
Surr: Toluene-d8	92.1	70-122		%REC	248448	1	09/15/2017 23:20	CJ
Surr: Toluene-d8	103	70-122		%REC	248428	1000	09/20/2017 14:27	NP
SPLP (1312) VOLATILE ORGANICS SW1312/8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	248761	1	09/22/2017 17:56	AR
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	248761	1	09/22/2017 17:56	AR
1,1,2-Trichloroethane	BRL	5.0		ug/L	248761	1	09/22/2017 17:56	AR
1,1-Dichloroethane	BRL	5.0		ug/L	248761	1	09/22/2017 17:56	AR
1,1-Dichloroethene	BRL	5.0		ug/L	248761	1	09/22/2017 17:56	AR
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	248761	1	09/22/2017 17:56	AR
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	248761	1	09/22/2017 17:56	AR
1,2-Dibromoethane	BRL	5.0		ug/L	248761	1	09/22/2017 17:56	AR
1,2-Dichlorobenzene	BRL	5.0		ug/L	248761	1	09/22/2017 17:56	AR
1,2-Dichloroethane	BRL	5.0		ug/L	248761	1	09/22/2017 17:56	AR
1,2-Dichloropropane	BRL	5.0		ug/L	248761	1	09/22/2017 17:56	AR
1,3-Dichlorobenzene	BRL	5.0		ug/L	248761	1	09/22/2017 17:56	AR
1,4-Dichlorobenzene	BRL	5.0		ug/L	248761	1	09/22/2017 17:56	AR
2-Butanone	BRL	50		ug/L	248761	1	09/22/2017 17:56	AR
2-Hexanone	BRL	10		ug/L	248761	1	09/22/2017 17:56	AR
4-Methyl-2-pentanone	BRL	10		ug/L	248761	1	09/22/2017 17:56	AR
Acetone	BRL	50		ug/L	248761	1	09/22/2017 17:56	AR
Benzene	BRL	5.0		ug/L	248761	1	09/22/2017 17:56	AR
Bromodichloromethane	BRL	5.0		ug/L	248761	1	09/22/2017 17:56	AR
Bromoform	BRL	5.0		ug/L	248761	1	09/22/2017 17:56	AR
Bromomethane	BRL	5.0		ug/L	248761	1	09/22/2017 17:56	AR
Carbon disulfide	BRL	5.0		ug/L	248761	1	09/22/2017 17:56	AR
Carbon tetrachloride	BRL	5.0		ug/L	248761	1	09/22/2017 17:56	AR
Chlorobenzene	BRL	5.0		ug/L	248761	1	09/22/2017 17:56	AR
Chloroethane	BRL	10		ug/L	248761	1	09/22/2017 17:56	AR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Sep-17

Client:	Sailors Engineering Associates	**Client Sample ID:**	DP-1 4'
Project Name:	Ideal Cleaners	**Collection Date:**	9/14/2017 9:58:00 AM
Lab ID:	1709A86-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
SPLP (1312) VOLATILE ORGANICS SW1312/8260B				**(SW5030B)**				
Chloroform	BRL	5.0		ug/L	248761	1	09/22/2017 17:56	AR
Chloromethane	BRL	10		ug/L	248761	1	09/22/2017 17:56	AR
cis-1,2-Dichloroethene	BRL	5.0		ug/L	248761	1	09/22/2017 17:56	AR
cis-1,3-Dichloropropene	BRL	5.0		ug/L	248761	1	09/22/2017 17:56	AR
Cyclohexane	BRL	5.0		ug/L	248761	1	09/22/2017 17:56	AR
Dibromochloromethane	BRL	5.0		ug/L	248761	1	09/22/2017 17:56	AR
Dichlorodifluoromethane	BRL	5.0		ug/L	248761	1	09/22/2017 17:56	AR
Ethylbenzene	BRL	5.0		ug/L	248761	1	09/22/2017 17:56	AR
Freon-113	BRL	10		ug/L	248761	1	09/22/2017 17:56	AR
Isopropylbenzene	BRL	5.0		ug/L	248761	1	09/22/2017 17:56	AR
Methyl acetate	BRL	5.0		ug/L	248761	1	09/22/2017 17:56	AR
Methyl tert-butyl ether	BRL	5.0		ug/L	248761	1	09/22/2017 17:56	AR
Methylcyclohexane	BRL	5.0		ug/L	248761	1	09/22/2017 17:56	AR
Methylene chloride	BRL	5.0		ug/L	248761	1	09/22/2017 17:56	AR
Styrene	BRL	5.0		ug/L	248761	1	09/22/2017 17:56	AR
Tetrachloroethene	74	5.0		ug/L	248761	1	09/22/2017 17:56	AR
Toluene	BRL	5.0		ug/L	248761	1	09/22/2017 17:56	AR
trans-1,2-Dichloroethene	BRL	5.0		ug/L	248761	1	09/22/2017 17:56	AR
trans-1,3-Dichloropropene	BRL	5.0		ug/L	248761	1	09/22/2017 17:56	AR
Trichloroethene	6.0	5.0		ug/L	248761	1	09/22/2017 17:56	AR
Trichlorofluoromethane	BRL	5.0		ug/L	248761	1	09/22/2017 17:56	AR
Vinyl chloride	BRL	2.0		ug/L	248761	1	09/22/2017 17:56	AR
Xylenes, Total	BRL	5.0		ug/L	248761	1	09/22/2017 17:56	AR
1,2-Dichloroethene, Total	BRL	5.0		ug/L	248761	1	09/22/2017 17:56	AR
Surr: 4-Bromofluorobenzene	98.5	68.3-122		%REC	248761	1	09/22/2017 17:56	AR
Surr: Dibromofluoromethane	94.4	70.1-125		%REC	248761	1	09/22/2017 17:56	AR
Surr: Toluene-d8	100	81.4-120		%REC	248761	1	09/22/2017 17:56	AR
PERCENT MOISTURE D2216								
Percent Moisture	16.2	0		wt%	R352400	1	09/19/2017 13:00	OO

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Sep-17

Client:	Sailors Engineering Associates	**Client Sample ID:**	DP-2 4.5'
Project Name:	Ideal Cleaners	**Collection Date:**	9/14/2017 10:06:00 AM
Lab ID:	1709A86-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	3.0		mg/Kg-dry	248428	500	09/16/2017 15:45	NP
1,1,2,2-Tetrachloroethane	BRL	3.0		mg/Kg-dry	248428	500	09/16/2017 15:45	NP
1,1,2-Trichloroethane	BRL	3.0		mg/Kg-dry	248428	500	09/16/2017 15:45	NP
1,1-Dichloroethane	BRL	3.0		mg/Kg-dry	248428	500	09/16/2017 15:45	NP
1,1-Dichloroethene	BRL	3.0		mg/Kg-dry	248428	500	09/16/2017 15:45	NP
1,2,4-Trichlorobenzene	BRL	3.0		mg/Kg-dry	248428	500	09/16/2017 15:45	NP
1,2-Dibromo-3-chloropropane	BRL	3.0		mg/Kg-dry	248428	500	09/16/2017 15:45	NP
1,2-Dibromoethane	BRL	3.0		mg/Kg-dry	248428	500	09/16/2017 15:45	NP
1,2-Dichlorobenzene	BRL	3.0		mg/Kg-dry	248428	500	09/16/2017 15:45	NP
1,2-Dichloroethane	BRL	3.0		mg/Kg-dry	248428	500	09/16/2017 15:45	NP
1,2-Dichloropropane	BRL	3.0		mg/Kg-dry	248428	500	09/16/2017 15:45	NP
1,3-Dichlorobenzene	BRL	3.0		mg/Kg-dry	248428	500	09/16/2017 15:45	NP
1,4-Dichlorobenzene	BRL	3.0		mg/Kg-dry	248428	500	09/16/2017 15:45	NP
2-Butanone	BRL	30		mg/Kg-dry	248428	500	09/16/2017 15:45	NP
2-Hexanone	BRL	5.9		mg/Kg-dry	248428	500	09/16/2017 15:45	NP
4-Methyl-2-pentanone	BRL	5.9		mg/Kg-dry	248428	500	09/16/2017 15:45	NP
Acetone	BRL	59		mg/Kg-dry	248428	500	09/16/2017 15:45	NP
Benzene	BRL	3.0		mg/Kg-dry	248428	500	09/16/2017 15:45	NP
Bromodichloromethane	BRL	3.0		mg/Kg-dry	248428	500	09/16/2017 15:45	NP
Bromoform	BRL	3.0		mg/Kg-dry	248428	500	09/16/2017 15:45	NP
Bromomethane	BRL	3.0		mg/Kg-dry	248428	500	09/16/2017 15:45	NP
Carbon disulfide	BRL	5.9		mg/Kg-dry	248428	500	09/16/2017 15:45	NP
Carbon tetrachloride	BRL	3.0		mg/Kg-dry	248428	500	09/16/2017 15:45	NP
Chlorobenzene	BRL	3.0		mg/Kg-dry	248428	500	09/16/2017 15:45	NP
Chloroethane	BRL	5.9		mg/Kg-dry	248428	500	09/16/2017 15:45	NP
Chloroform	BRL	3.0		mg/Kg-dry	248428	500	09/16/2017 15:45	NP
Chloromethane	BRL	5.9		mg/Kg-dry	248428	500	09/16/2017 15:45	NP
cis-1,2-Dichloroethene	120	3.0		mg/Kg-dry	248428	500	09/16/2017 15:45	NP
cis-1,3-Dichloropropene	BRL	3.0		mg/Kg-dry	248428	500	09/16/2017 15:45	NP
Cyclohexane	BRL	3.0		mg/Kg-dry	248428	500	09/16/2017 15:45	NP
Dibromochloromethane	BRL	3.0		mg/Kg-dry	248428	500	09/16/2017 15:45	NP
Dichlorodifluoromethane	BRL	5.9		mg/Kg-dry	248428	500	09/16/2017 15:45	NP
Ethylbenzene	5.8	3.0		mg/Kg-dry	248428	500	09/16/2017 15:45	NP
Freon-113	BRL	5.9		mg/Kg-dry	248428	500	09/16/2017 15:45	NP
Isopropylbenzene	11	3.0		mg/Kg-dry	248428	500	09/16/2017 15:45	NP
m,p-Xylene	16	3.0		mg/Kg-dry	248428	500	09/16/2017 15:45	NP
Methyl acetate	BRL	3.0		mg/Kg-dry	248428	500	09/16/2017 15:45	NP
Methyl tert-butyl ether	BRL	3.0		mg/Kg-dry	248428	500	09/16/2017 15:45	NP
Methylcyclohexane	BRL	3.0		mg/Kg-dry	248428	500	09/16/2017 15:45	NP
Methylene chloride	BRL	12		mg/Kg-dry	248428	500	09/16/2017 15:45	NP
o-Xylene	10	3.0		mg/Kg-dry	248428	500	09/16/2017 15:45	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Sep-17

Client:	Sailors Engineering Associates	**Client Sample ID:**	DP-2 4.5'
Project Name:	Ideal Cleaners	**Collection Date:**	9/14/2017 10:06:00 AM
Lab ID:	1709A86-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Styrene	BRL	3.0		mg/Kg-dry	248428	500	09/16/2017 15:45	NP
Tetrachloroethene	16000	590		mg/Kg-dry	248428	100000	09/18/2017 11:58	NP
Toluene	BRL	3.0		mg/Kg-dry	248428	500	09/16/2017 15:45	NP
trans-1,2-Dichloroethene	BRL	3.0		mg/Kg-dry	248428	500	09/16/2017 15:45	NP
trans-1,3-Dichloropropene	BRL	3.0		mg/Kg-dry	248428	500	09/16/2017 15:45	NP
Trichloroethene	1200	590		mg/Kg-dry	248428	100000	09/18/2017 11:58	NP
Trichlorofluoromethane	BRL	3.0		mg/Kg-dry	248428	500	09/16/2017 15:45	NP
Vinyl chloride	BRL	5.9		mg/Kg-dry	248428	500	09/16/2017 15:45	NP
Surr: 4-Bromofluorobenzene	154	63-125	S	%REC	248428	500	09/16/2017 15:45	NP
Surr: 4-Bromofluorobenzene	80.2	63-125		%REC	248428	100000	09/18/2017 11:58	NP
Surr: Dibromofluoromethane	107	69.9-123		%REC	248428	500	09/16/2017 15:45	NP
Surr: Dibromofluoromethane	123	69.9-123		%REC	248428	100000	09/18/2017 11:58	NP
Surr: Toluene-d8	107	70-122		%REC	248428	500	09/16/2017 15:45	NP
Surr: Toluene-d8	88.8	70-122		%REC	248428	100000	09/18/2017 11:58	NP
SPLP (1312) VOLATILE ORGANICS SW1312/8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	25000		ug/L	248761	5000	09/22/2017 00:02	AR
1,1,2,2-Tetrachloroethane	BRL	25000		ug/L	248761	5000	09/22/2017 00:02	AR
1,1,2-Trichloroethane	BRL	25000		ug/L	248761	5000	09/22/2017 00:02	AR
1,1-Dichloroethane	BRL	25000		ug/L	248761	5000	09/22/2017 00:02	AR
1,1-Dichloroethene	BRL	25000		ug/L	248761	5000	09/22/2017 00:02	AR
1,2,4-Trichlorobenzene	BRL	25000		ug/L	248761	5000	09/22/2017 00:02	AR
1,2-Dibromo-3-chloropropane	BRL	25000		ug/L	248761	5000	09/22/2017 00:02	AR
1,2-Dibromoethane	BRL	25000		ug/L	248761	5000	09/22/2017 00:02	AR
1,2-Dichlorobenzene	BRL	25000		ug/L	248761	5000	09/22/2017 00:02	AR
1,2-Dichloroethane	BRL	25000		ug/L	248761	5000	09/22/2017 00:02	AR
1,2-Dichloropropane	BRL	25000		ug/L	248761	5000	09/22/2017 00:02	AR
1,3-Dichlorobenzene	BRL	25000		ug/L	248761	5000	09/22/2017 00:02	AR
1,4-Dichlorobenzene	BRL	25000		ug/L	248761	5000	09/22/2017 00:02	AR
2-Butanone	BRL	250000		ug/L	248761	5000	09/22/2017 00:02	AR
2-Hexanone	BRL	50000		ug/L	248761	5000	09/22/2017 00:02	AR
4-Methyl-2-pentanone	BRL	50000		ug/L	248761	5000	09/22/2017 00:02	AR
Acetone	BRL	250000		ug/L	248761	5000	09/22/2017 00:02	AR
Benzene	BRL	25000		ug/L	248761	5000	09/22/2017 00:02	AR
Bromodichloromethane	BRL	25000		ug/L	248761	5000	09/22/2017 00:02	AR
Bromoform	BRL	25000		ug/L	248761	5000	09/22/2017 00:02	AR
Bromomethane	BRL	25000		ug/L	248761	5000	09/22/2017 00:02	AR
Carbon disulfide	BRL	25000		ug/L	248761	5000	09/22/2017 00:02	AR
Carbon tetrachloride	BRL	25000		ug/L	248761	5000	09/22/2017 00:02	AR
Chlorobenzene	BRL	25000		ug/L	248761	5000	09/22/2017 00:02	AR
Chloroethane	BRL	50000		ug/L	248761	5000	09/22/2017 00:02	AR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Sep-17

Client:	Sailors Engineering Associates	**Client Sample ID:**	DP-2 4.5'
Project Name:	Ideal Cleaners	**Collection Date:**	9/14/2017 10:06:00 AM
Lab ID:	1709A86-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
SPLP (1312) VOLATILE ORGANICS SW1312/8260B				**(SW5030B)**				
Chloroform	BRL	25000		ug/L	248761	5000	09/22/2017 00:02	AR
Chloromethane	BRL	50000		ug/L	248761	5000	09/22/2017 00:02	AR
cis-1,2-Dichloroethene	BRL	25000		ug/L	248761	5000	09/22/2017 00:02	AR
cis-1,3-Dichloropropene	BRL	25000		ug/L	248761	5000	09/22/2017 00:02	AR
Cyclohexane	BRL	25000		ug/L	248761	5000	09/22/2017 00:02	AR
Dibromochloromethane	BRL	25000		ug/L	248761	5000	09/22/2017 00:02	AR
Dichlorodifluoromethane	BRL	25000		ug/L	248761	5000	09/22/2017 00:02	AR
Ethylbenzene	BRL	25000		ug/L	248761	5000	09/22/2017 00:02	AR
Freon-113	BRL	50000		ug/L	248761	5000	09/22/2017 00:02	AR
Isopropylbenzene	BRL	25000		ug/L	248761	5000	09/22/2017 00:02	AR
Methyl acetate	BRL	25000		ug/L	248761	5000	09/22/2017 00:02	AR
Methyl tert-butyl ether	BRL	25000		ug/L	248761	5000	09/22/2017 00:02	AR
Methylcyclohexane	BRL	25000		ug/L	248761	5000	09/22/2017 00:02	AR
Methylene chloride	BRL	25000		ug/L	248761	5000	09/22/2017 00:02	AR
Styrene	BRL	25000		ug/L	248761	5000	09/22/2017 00:02	AR
Tetrachloroethene	79000	25000		ug/L	248761	5000	09/22/2017 00:02	AR
Toluene	BRL	25000		ug/L	248761	5000	09/22/2017 00:02	AR
trans-1,2-Dichloroethene	BRL	25000		ug/L	248761	5000	09/22/2017 00:02	AR
trans-1,3-Dichloropropene	BRL	25000		ug/L	248761	5000	09/22/2017 00:02	AR
Trichloroethene	13000	5000		ug/L	248761	5000	09/22/2017 00:02	AR
Trichlorofluoromethane	BRL	25000		ug/L	248761	5000	09/22/2017 00:02	AR
Vinyl chloride	BRL	10000		ug/L	248761	5000	09/22/2017 00:02	AR
Xylenes, Total	BRL	25000		ug/L	248761	5000	09/22/2017 00:02	AR
1,2-Dichloroethene, Total	BRL	25000		ug/L	248761	5000	09/22/2017 00:02	AR
Surr: 4-Bromofluorobenzene	102	68.3-122		%REC	248761	5000	09/22/2017 00:02	AR
Surr: Dibromofluoromethane	101	70.1-125		%REC	248761	5000	09/22/2017 00:02	AR
Surr: Toluene-d8	98.6	81.4-120		%REC	248761	5000	09/22/2017 00:02	AR
PERCENT MOISTURE D2216								
Percent Moisture	21.8	0		wt%	R352400	1	09/19/2017 13:00	OO

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Sep-17

Client:	Sailors Engineering Associates	**Client Sample ID:**	DP-2 6'
Project Name:	Ideal Cleaners	**Collection Date:**	9/14/2017 10:31:00 AM
Lab ID:	1709A86-003	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	2.5		mg/Kg-dry	248428	500	09/16/2017 16:09	NP
1,1,2,2-Tetrachloroethane	BRL	2.5		mg/Kg-dry	248428	500	09/16/2017 16:09	NP
1,1,2-Trichloroethane	BRL	2.5		mg/Kg-dry	248428	500	09/16/2017 16:09	NP
1,1-Dichloroethane	BRL	2.5		mg/Kg-dry	248428	500	09/16/2017 16:09	NP
1,1-Dichloroethene	BRL	2.5		mg/Kg-dry	248428	500	09/16/2017 16:09	NP
1,2,4-Trichlorobenzene	BRL	2.5		mg/Kg-dry	248428	500	09/16/2017 16:09	NP
1,2-Dibromo-3-chloropropane	BRL	2.5		mg/Kg-dry	248428	500	09/16/2017 16:09	NP
1,2-Dibromoethane	BRL	2.5		mg/Kg-dry	248428	500	09/16/2017 16:09	NP
1,2-Dichlorobenzene	BRL	2.5		mg/Kg-dry	248428	500	09/16/2017 16:09	NP
1,2-Dichloroethane	BRL	2.5		mg/Kg-dry	248428	500	09/16/2017 16:09	NP
1,2-Dichloropropane	BRL	2.5		mg/Kg-dry	248428	500	09/16/2017 16:09	NP
1,3-Dichlorobenzene	BRL	2.5		mg/Kg-dry	248428	500	09/16/2017 16:09	NP
1,4-Dichlorobenzene	BRL	2.5		mg/Kg-dry	248428	500	09/16/2017 16:09	NP
2-Butanone	BRL	25		mg/Kg-dry	248428	500	09/16/2017 16:09	NP
2-Hexanone	BRL	5.0		mg/Kg-dry	248428	500	09/16/2017 16:09	NP
4-Methyl-2-pentanone	BRL	5.0		mg/Kg-dry	248428	500	09/16/2017 16:09	NP
Acetone	BRL	50		mg/Kg-dry	248428	500	09/16/2017 16:09	NP
Benzene	BRL	2.5		mg/Kg-dry	248428	500	09/16/2017 16:09	NP
Bromodichloromethane	BRL	2.5		mg/Kg-dry	248428	500	09/16/2017 16:09	NP
Bromoform	BRL	2.5		mg/Kg-dry	248428	500	09/16/2017 16:09	NP
Bromomethane	BRL	2.5		mg/Kg-dry	248428	500	09/16/2017 16:09	NP
Carbon disulfide	BRL	5.0		mg/Kg-dry	248428	500	09/16/2017 16:09	NP
Carbon tetrachloride	BRL	2.5		mg/Kg-dry	248428	500	09/16/2017 16:09	NP
Chlorobenzene	BRL	2.5		mg/Kg-dry	248428	500	09/16/2017 16:09	NP
Chloroethane	BRL	5.0		mg/Kg-dry	248428	500	09/16/2017 16:09	NP
Chloroform	BRL	2.5		mg/Kg-dry	248428	500	09/16/2017 16:09	NP
Chloromethane	BRL	5.0		mg/Kg-dry	248428	500	09/16/2017 16:09	NP
cis-1,2-Dichloroethene	33	2.5		mg/Kg-dry	248428	500	09/16/2017 16:09	NP
cis-1,3-Dichloropropene	BRL	2.5		mg/Kg-dry	248428	500	09/16/2017 16:09	NP
Cyclohexane	BRL	2.5		mg/Kg-dry	248428	500	09/16/2017 16:09	NP
Dibromochloromethane	BRL	2.5		mg/Kg-dry	248428	500	09/16/2017 16:09	NP
Dichlorodifluoromethane	BRL	5.0		mg/Kg-dry	248428	500	09/16/2017 16:09	NP
Ethylbenzene	BRL	2.5		mg/Kg-dry	248428	500	09/16/2017 16:09	NP
Freon-113	BRL	5.0		mg/Kg-dry	248428	500	09/16/2017 16:09	NP
Isopropylbenzene	BRL	2.5		mg/Kg-dry	248428	500	09/16/2017 16:09	NP
m,p-Xylene	4.7	2.5		mg/Kg-dry	248428	500	09/16/2017 16:09	NP
Methyl acetate	BRL	2.5		mg/Kg-dry	248428	500	09/16/2017 16:09	NP
Methyl tert-butyl ether	BRL	2.5		mg/Kg-dry	248428	500	09/16/2017 16:09	NP
Methylcyclohexane	BRL	2.5		mg/Kg-dry	248428	500	09/16/2017 16:09	NP
Methylene chloride	BRL	9.9		mg/Kg-dry	248428	500	09/16/2017 16:09	NP
o-Xylene	2.5	2.5		mg/Kg-dry	248428	500	09/16/2017 16:09	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Sep-17

Client:	Sailors Engineering Associates	**Client Sample ID:**	DP-2 6'
Project Name:	Ideal Cleaners	**Collection Date:**	9/14/2017 10:31:00 AM
Lab ID:	1709A86-003	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Styrene	BRL	2.5		mg/Kg-dry	248428	500	09/16/2017 16:09	NP
Tetrachloroethene	3000	250		mg/Kg-dry	248428	50000	09/18/2017 12:22	NP
Toluene	BRL	2.5		mg/Kg-dry	248428	500	09/16/2017 16:09	NP
trans-1,2-Dichloroethene	BRL	2.5		mg/Kg-dry	248428	500	09/16/2017 16:09	NP
trans-1,3-Dichloropropene	BRL	2.5		mg/Kg-dry	248428	500	09/16/2017 16:09	NP
Trichloroethene	160	99		mg/Kg-dry	248428	50000	09/18/2017 12:22	NP
Trichlorofluoromethane	BRL	2.5		mg/Kg-dry	248428	500	09/16/2017 16:09	NP
Vinyl chloride	BRL	5.0		mg/Kg-dry	248428	500	09/16/2017 16:09	NP
Surr: 4-Bromofluorobenzene	76.5	63-125		%REC	248428	50000	09/18/2017 12:22	NP
Surr: 4-Bromofluorobenzene	111	63-125		%REC	248428	500	09/16/2017 16:09	NP
Surr: Dibromofluoromethane	102	69.9-123		%REC	248428	500	09/16/2017 16:09	NP
Surr: Dibromofluoromethane	120	69.9-123		%REC	248428	50000	09/18/2017 12:22	NP
Surr: Toluene-d8	89.3	70-122		%REC	248428	50000	09/18/2017 12:22	NP
Surr: Toluene-d8	104	70-122		%REC	248428	500	09/16/2017 16:09	NP
SPLP (1312) VOLATILE ORGANICS SW1312/8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	25000		ug/L	248761	5000	09/22/2017 00:26	AR
1,1,2,2-Tetrachloroethane	BRL	25000		ug/L	248761	5000	09/22/2017 00:26	AR
1,1,2-Trichloroethane	BRL	25000		ug/L	248761	5000	09/22/2017 00:26	AR
1,1-Dichloroethane	BRL	25000		ug/L	248761	5000	09/22/2017 00:26	AR
1,1-Dichloroethene	BRL	25000		ug/L	248761	5000	09/22/2017 00:26	AR
1,2,4-Trichlorobenzene	BRL	25000		ug/L	248761	5000	09/22/2017 00:26	AR
1,2-Dibromo-3-chloropropane	BRL	25000		ug/L	248761	5000	09/22/2017 00:26	AR
1,2-Dibromoethane	BRL	25000		ug/L	248761	5000	09/22/2017 00:26	AR
1,2-Dichlorobenzene	BRL	25000		ug/L	248761	5000	09/22/2017 00:26	AR
1,2-Dichloroethane	BRL	25000		ug/L	248761	5000	09/22/2017 00:26	AR
1,2-Dichloropropane	BRL	25000		ug/L	248761	5000	09/22/2017 00:26	AR
1,3-Dichlorobenzene	BRL	25000		ug/L	248761	5000	09/22/2017 00:26	AR
1,4-Dichlorobenzene	BRL	25000		ug/L	248761	5000	09/22/2017 00:26	AR
2-Butanone	BRL	250000		ug/L	248761	5000	09/22/2017 00:26	AR
2-Hexanone	BRL	50000		ug/L	248761	5000	09/22/2017 00:26	AR
4-Methyl-2-pentanone	BRL	50000		ug/L	248761	5000	09/22/2017 00:26	AR
Acetone	BRL	250000		ug/L	248761	5000	09/22/2017 00:26	AR
Benzene	BRL	25000		ug/L	248761	5000	09/22/2017 00:26	AR
Bromodichloromethane	BRL	25000		ug/L	248761	5000	09/22/2017 00:26	AR
Bromoform	BRL	25000		ug/L	248761	5000	09/22/2017 00:26	AR
Bromomethane	BRL	25000		ug/L	248761	5000	09/22/2017 00:26	AR
Carbon disulfide	BRL	25000		ug/L	248761	5000	09/22/2017 00:26	AR
Carbon tetrachloride	BRL	25000		ug/L	248761	5000	09/22/2017 00:26	AR
Chlorobenzene	BRL	25000		ug/L	248761	5000	09/22/2017 00:26	AR
Chloroethane	BRL	50000		ug/L	248761	5000	09/22/2017 00:26	AR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Sep-17

Client:	Sailors Engineering Associates	**Client Sample ID:**	DP-2 6'
Project Name:	Ideal Cleaners	**Collection Date:**	9/14/2017 10:31:00 AM
Lab ID:	1709A86-003	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
SPLP (1312) VOLATILE ORGANICS SW1312/8260B				**(SW5030B)**				
Chloroform	BRL	25000		ug/L	248761	5000	09/22/2017 00:26	AR
Chloromethane	BRL	50000		ug/L	248761	5000	09/22/2017 00:26	AR
cis-1,2-Dichloroethene	BRL	25000		ug/L	248761	5000	09/22/2017 00:26	AR
cis-1,3-Dichloropropene	BRL	25000		ug/L	248761	5000	09/22/2017 00:26	AR
Cyclohexane	BRL	25000		ug/L	248761	5000	09/22/2017 00:26	AR
Dibromochloromethane	BRL	25000		ug/L	248761	5000	09/22/2017 00:26	AR
Dichlorodifluoromethane	BRL	25000		ug/L	248761	5000	09/22/2017 00:26	AR
Ethylbenzene	BRL	25000		ug/L	248761	5000	09/22/2017 00:26	AR
Freon-113	BRL	50000		ug/L	248761	5000	09/22/2017 00:26	AR
Isopropylbenzene	BRL	25000		ug/L	248761	5000	09/22/2017 00:26	AR
Methyl acetate	BRL	25000		ug/L	248761	5000	09/22/2017 00:26	AR
Methyl tert-butyl ether	BRL	25000		ug/L	248761	5000	09/22/2017 00:26	AR
Methylcyclohexane	BRL	25000		ug/L	248761	5000	09/22/2017 00:26	AR
Methylene chloride	BRL	25000		ug/L	248761	5000	09/22/2017 00:26	AR
Styrene	BRL	25000		ug/L	248761	5000	09/22/2017 00:26	AR
Tetrachloroethene	75000	25000		ug/L	248761	5000	09/22/2017 00:26	AR
Toluene	BRL	25000		ug/L	248761	5000	09/22/2017 00:26	AR
trans-1,2-Dichloroethene	BRL	25000		ug/L	248761	5000	09/22/2017 00:26	AR
trans-1,3-Dichloropropene	BRL	25000		ug/L	248761	5000	09/22/2017 00:26	AR
Trichloroethene	8100	5000		ug/L	248761	5000	09/22/2017 00:26	AR
Trichlorofluoromethane	BRL	25000		ug/L	248761	5000	09/22/2017 00:26	AR
Vinyl chloride	BRL	10000		ug/L	248761	5000	09/22/2017 00:26	AR
Xylenes, Total	BRL	25000		ug/L	248761	5000	09/22/2017 00:26	AR
1,2-Dichloroethene, Total	BRL	25000		ug/L	248761	5000	09/22/2017 00:26	AR
Surr: 4-Bromofluorobenzene	104	68.3-122		%REC	248761	5000	09/22/2017 00:26	AR
Surr: Dibromofluoromethane	101	70.1-125		%REC	248761	5000	09/22/2017 00:26	AR
Surr: Toluene-d8	100	81.4-120		%REC	248761	5000	09/22/2017 00:26	AR
PERCENT MOISTURE D2216								
Percent Moisture	16.6	0		wt%	R352400	1	09/19/2017 13:00	OO

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Sep-17

Client:	Sailors Engineering Associates	**Client Sample ID:**	DP-3 4'
Project Name:	Ideal Cleaners	**Collection Date:**	9/14/2017 9:44:00 AM
Lab ID:	1709A86-004	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	0.0052		mg/Kg-dry	248448	1	09/15/2017 22:07	CJ
1,1,2,2-Tetrachloroethane	BRL	0.0052		mg/Kg-dry	248448	1	09/15/2017 22:07	CJ
1,1,2-Trichloroethane	BRL	0.0052		mg/Kg-dry	248448	1	09/15/2017 22:07	CJ
1,1-Dichloroethane	BRL	0.0052		mg/Kg-dry	248448	1	09/15/2017 22:07	CJ
1,1-Dichloroethene	BRL	0.0052		mg/Kg-dry	248448	1	09/15/2017 22:07	CJ
1,2,4-Trichlorobenzene	BRL	0.0052		mg/Kg-dry	248448	1	09/15/2017 22:07	CJ
1,2-Dibromo-3-chloropropane	BRL	0.0052		mg/Kg-dry	248448	1	09/15/2017 22:07	CJ
1,2-Dibromoethane	BRL	0.0052		mg/Kg-dry	248448	1	09/15/2017 22:07	CJ
1,2-Dichlorobenzene	BRL	0.0052		mg/Kg-dry	248448	1	09/15/2017 22:07	CJ
1,2-Dichloroethane	BRL	0.0052		mg/Kg-dry	248448	1	09/15/2017 22:07	CJ
1,2-Dichloropropane	BRL	0.0052		mg/Kg-dry	248448	1	09/15/2017 22:07	CJ
1,3-Dichlorobenzene	BRL	0.0052		mg/Kg-dry	248448	1	09/15/2017 22:07	CJ
1,4-Dichlorobenzene	BRL	0.0052		mg/Kg-dry	248448	1	09/15/2017 22:07	CJ
2-Butanone	BRL	0.052		mg/Kg-dry	248448	1	09/15/2017 22:07	CJ
2-Hexanone	BRL	0.010		mg/Kg-dry	248448	1	09/15/2017 22:07	CJ
4-Methyl-2-pentanone	BRL	0.010		mg/Kg-dry	248448	1	09/15/2017 22:07	CJ
Acetone	0.21	0.10		mg/Kg-dry	248448	1	09/15/2017 22:07	CJ
Benzene	BRL	0.0052		mg/Kg-dry	248448	1	09/15/2017 22:07	CJ
Bromodichloromethane	BRL	0.0052		mg/Kg-dry	248448	1	09/15/2017 22:07	CJ
Bromoform	BRL	0.0052		mg/Kg-dry	248448	1	09/15/2017 22:07	CJ
Bromomethane	BRL	0.0052		mg/Kg-dry	248448	1	09/15/2017 22:07	CJ
Carbon disulfide	BRL	0.010		mg/Kg-dry	248448	1	09/15/2017 22:07	CJ
Carbon tetrachloride	BRL	0.0052		mg/Kg-dry	248448	1	09/15/2017 22:07	CJ
Chlorobenzene	BRL	0.0052		mg/Kg-dry	248448	1	09/15/2017 22:07	CJ
Chloroethane	BRL	0.010		mg/Kg-dry	248448	1	09/15/2017 22:07	CJ
Chloroform	BRL	0.0052		mg/Kg-dry	248448	1	09/15/2017 22:07	CJ
Chloromethane	BRL	0.010		mg/Kg-dry	248448	1	09/15/2017 22:07	CJ
cis-1,2-Dichloroethene	0.011	0.0052		mg/Kg-dry	248448	1	09/15/2017 22:07	CJ
cis-1,3-Dichloropropene	BRL	0.0052		mg/Kg-dry	248448	1	09/15/2017 22:07	CJ
Cyclohexane	BRL	0.0052		mg/Kg-dry	248448	1	09/15/2017 22:07	CJ
Dibromochloromethane	BRL	0.0052		mg/Kg-dry	248448	1	09/15/2017 22:07	CJ
Dichlorodifluoromethane	BRL	0.010		mg/Kg-dry	248448	1	09/15/2017 22:07	CJ
Ethylbenzene	BRL	0.0052		mg/Kg-dry	248448	1	09/15/2017 22:07	CJ
Freon-113	BRL	0.010		mg/Kg-dry	248448	1	09/15/2017 22:07	CJ
Isopropylbenzene	BRL	0.0052		mg/Kg-dry	248448	1	09/15/2017 22:07	CJ
m,p-Xylene	BRL	0.0052		mg/Kg-dry	248448	1	09/15/2017 22:07	CJ
Methyl acetate	BRL	0.0052		mg/Kg-dry	248448	1	09/15/2017 22:07	CJ
Methyl tert-butyl ether	BRL	0.0052		mg/Kg-dry	248448	1	09/15/2017 22:07	CJ
Methylcyclohexane	BRL	0.0052		mg/Kg-dry	248448	1	09/15/2017 22:07	CJ
Methylene chloride	BRL	0.021		mg/Kg-dry	248448	1	09/15/2017 22:07	CJ
o-Xylene	BRL	0.0052		mg/Kg-dry	248448	1	09/15/2017 22:07	CJ

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Sep-17

Client:	Sailors Engineering Associates	**Client Sample ID:**	DP-3 4'
Project Name:	Ideal Cleaners	**Collection Date:**	9/14/2017 9:44:00 AM
Lab ID:	1709A86-004	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Styrene	BRL	0.0052		mg/Kg-dry	248448	1	09/15/2017 22:07	CJ
Tetrachloroethene	4.4	0.26		mg/Kg-dry	248428	50	09/20/2017 03:01	NP
Toluene	BRL	0.0052		mg/Kg-dry	248448	1	09/15/2017 22:07	CJ
trans-1,2-Dichloroethene	BRL	0.0052		mg/Kg-dry	248448	1	09/15/2017 22:07	CJ
trans-1,3-Dichloropropene	BRL	0.0052		mg/Kg-dry	248448	1	09/15/2017 22:07	CJ
Trichloroethene	0.082	0.0052		mg/Kg-dry	248448	1	09/15/2017 22:07	CJ
Trichlorofluoromethane	BRL	0.0052		mg/Kg-dry	248448	1	09/15/2017 22:07	CJ
Vinyl chloride	BRL	0.010		mg/Kg-dry	248448	1	09/15/2017 22:07	CJ
Surr: 4-Bromofluorobenzene	72.8	63-125		%REC	248448	1	09/15/2017 22:07	CJ
Surr: 4-Bromofluorobenzene	93.6	63-125		%REC	248428	50	09/20/2017 03:01	NP
Surr: Dibromofluoromethane	99.3	69.9-123		%REC	248448	1	09/15/2017 22:07	CJ
Surr: Dibromofluoromethane	94.8	69.9-123		%REC	248428	50	09/20/2017 03:01	NP
Surr: Toluene-d8	93.3	70-122		%REC	248448	1	09/15/2017 22:07	CJ
Surr: Toluene-d8	99.7	70-122		%REC	248428	50	09/20/2017 03:01	NP
SPLP (1312) VOLATILE ORGANICS SW1312/8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	248761	1	09/22/2017 18:20	AR
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	248761	1	09/22/2017 18:20	AR
1,1,2-Trichloroethane	BRL	5.0		ug/L	248761	1	09/22/2017 18:20	AR
1,1-Dichloroethane	BRL	5.0		ug/L	248761	1	09/22/2017 18:20	AR
1,1-Dichloroethene	BRL	5.0		ug/L	248761	1	09/22/2017 18:20	AR
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	248761	1	09/22/2017 18:20	AR
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	248761	1	09/22/2017 18:20	AR
1,2-Dibromoethane	BRL	5.0		ug/L	248761	1	09/22/2017 18:20	AR
1,2-Dichlorobenzene	BRL	5.0		ug/L	248761	1	09/22/2017 18:20	AR
1,2-Dichloroethane	BRL	5.0		ug/L	248761	1	09/22/2017 18:20	AR
1,2-Dichloropropane	BRL	5.0		ug/L	248761	1	09/22/2017 18:20	AR
1,3-Dichlorobenzene	BRL	5.0		ug/L	248761	1	09/22/2017 18:20	AR
1,4-Dichlorobenzene	BRL	5.0		ug/L	248761	1	09/22/2017 18:20	AR
2-Butanone	BRL	50		ug/L	248761	1	09/22/2017 18:20	AR
2-Hexanone	BRL	10		ug/L	248761	1	09/22/2017 18:20	AR
4-Methyl-2-pentanone	BRL	10		ug/L	248761	1	09/22/2017 18:20	AR
Acetone	BRL	50		ug/L	248761	1	09/22/2017 18:20	AR
Benzene	BRL	5.0		ug/L	248761	1	09/22/2017 18:20	AR
Bromodichloromethane	BRL	5.0		ug/L	248761	1	09/22/2017 18:20	AR
Bromoform	BRL	5.0		ug/L	248761	1	09/22/2017 18:20	AR
Bromomethane	BRL	5.0		ug/L	248761	1	09/22/2017 18:20	AR
Carbon disulfide	BRL	5.0		ug/L	248761	1	09/22/2017 18:20	AR
Carbon tetrachloride	BRL	5.0		ug/L	248761	1	09/22/2017 18:20	AR
Chlorobenzene	BRL	5.0		ug/L	248761	1	09/22/2017 18:20	AR
Chloroethane	BRL	10		ug/L	248761	1	09/22/2017 18:20	AR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Sep-17

Client:	Sailors Engineering Associates	**Client Sample ID:**	DP-3 4'
Project Name:	Ideal Cleaners	**Collection Date:**	9/14/2017 9:44:00 AM
Lab ID:	1709A86-004	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
SPLP (1312) VOLATILE ORGANICS SW1312/8260B				**(SW5030B)**				
Chloroform	BRL	5.0		ug/L	248761	1	09/22/2017 18:20	AR
Chloromethane	BRL	10		ug/L	248761	1	09/22/2017 18:20	AR
cis-1,2-Dichloroethene	BRL	5.0		ug/L	248761	1	09/22/2017 18:20	AR
cis-1,3-Dichloropropene	BRL	5.0		ug/L	248761	1	09/22/2017 18:20	AR
Cyclohexane	BRL	5.0		ug/L	248761	1	09/22/2017 18:20	AR
Dibromochloromethane	BRL	5.0		ug/L	248761	1	09/22/2017 18:20	AR
Dichlorodifluoromethane	BRL	5.0		ug/L	248761	1	09/22/2017 18:20	AR
Ethylbenzene	BRL	5.0		ug/L	248761	1	09/22/2017 18:20	AR
Freon-113	BRL	10		ug/L	248761	1	09/22/2017 18:20	AR
Isopropylbenzene	BRL	5.0		ug/L	248761	1	09/22/2017 18:20	AR
Methyl acetate	BRL	5.0		ug/L	248761	1	09/22/2017 18:20	AR
Methyl tert-butyl ether	BRL	5.0		ug/L	248761	1	09/22/2017 18:20	AR
Methylcyclohexane	BRL	5.0		ug/L	248761	1	09/22/2017 18:20	AR
Methylene chloride	BRL	5.0		ug/L	248761	1	09/22/2017 18:20	AR
Styrene	BRL	5.0		ug/L	248761	1	09/22/2017 18:20	AR
Tetrachloroethene	19	5.0		ug/L	248761	1	09/22/2017 18:20	AR
Toluene	BRL	5.0		ug/L	248761	1	09/22/2017 18:20	AR
trans-1,2-Dichloroethene	BRL	5.0		ug/L	248761	1	09/22/2017 18:20	AR
trans-1,3-Dichloropropene	BRL	5.0		ug/L	248761	1	09/22/2017 18:20	AR
Trichloroethene	BRL	5.0		ug/L	248761	1	09/22/2017 18:20	AR
Trichlorofluoromethane	BRL	5.0		ug/L	248761	1	09/22/2017 18:20	AR
Vinyl chloride	BRL	2.0		ug/L	248761	1	09/22/2017 18:20	AR
Xylenes, Total	BRL	5.0		ug/L	248761	1	09/22/2017 18:20	AR
1,2-Dichloroethene, Total	BRL	5.0		ug/L	248761	1	09/22/2017 18:20	AR
Surr: 4-Bromofluorobenzene	95.4	68.3-122		%REC	248761	1	09/22/2017 18:20	AR
Surr: Dibromofluoromethane	94.4	70.1-125		%REC	248761	1	09/22/2017 18:20	AR
Surr: Toluene-d8	99.8	81.4-120		%REC	248761	1	09/22/2017 18:20	AR
PERCENT MOISTURE D2216								
Percent Moisture	15.3	0		wt%	R352400	1	09/19/2017 13:00	OO

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Sep-17

Client:	Sailors Engineering Associates	**Client Sample ID:**	DP-4 4'
Project Name:	Ideal Cleaners	**Collection Date:**	9/14/2017 9:34:00 AM
Lab ID:	1709A86-005	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	0.0046		mg/Kg-dry	248448	1	09/15/2017 22:31	CJ
1,1,2,2-Tetrachloroethane	BRL	0.0046		mg/Kg-dry	248448	1	09/15/2017 22:31	CJ
1,1,2-Trichloroethane	BRL	0.0046		mg/Kg-dry	248448	1	09/15/2017 22:31	CJ
1,1-Dichloroethane	BRL	0.0046		mg/Kg-dry	248448	1	09/15/2017 22:31	CJ
1,1-Dichloroethene	BRL	0.0046		mg/Kg-dry	248448	1	09/15/2017 22:31	CJ
1,2,4-Trichlorobenzene	BRL	0.0046		mg/Kg-dry	248448	1	09/15/2017 22:31	CJ
1,2-Dibromo-3-chloropropane	BRL	0.0046		mg/Kg-dry	248448	1	09/15/2017 22:31	CJ
1,2-Dibromoethane	BRL	0.0046		mg/Kg-dry	248448	1	09/15/2017 22:31	CJ
1,2-Dichlorobenzene	BRL	0.0046		mg/Kg-dry	248448	1	09/15/2017 22:31	CJ
1,2-Dichloroethane	BRL	0.0046		mg/Kg-dry	248448	1	09/15/2017 22:31	CJ
1,2-Dichloropropane	BRL	0.0046		mg/Kg-dry	248448	1	09/15/2017 22:31	CJ
1,3-Dichlorobenzene	BRL	0.0046		mg/Kg-dry	248448	1	09/15/2017 22:31	CJ
1,4-Dichlorobenzene	BRL	0.0046		mg/Kg-dry	248448	1	09/15/2017 22:31	CJ
2-Butanone	BRL	0.046		mg/Kg-dry	248448	1	09/15/2017 22:31	CJ
2-Hexanone	BRL	0.0092		mg/Kg-dry	248448	1	09/15/2017 22:31	CJ
4-Methyl-2-pentanone	BRL	0.0092		mg/Kg-dry	248448	1	09/15/2017 22:31	CJ
Acetone	0.34	0.092		mg/Kg-dry	248448	1	09/15/2017 22:31	CJ
Benzene	BRL	0.0046		mg/Kg-dry	248448	1	09/15/2017 22:31	CJ
Bromodichloromethane	BRL	0.0046		mg/Kg-dry	248448	1	09/15/2017 22:31	CJ
Bromoform	BRL	0.0046		mg/Kg-dry	248448	1	09/15/2017 22:31	CJ
Bromomethane	BRL	0.0046		mg/Kg-dry	248448	1	09/15/2017 22:31	CJ
Carbon disulfide	BRL	0.0092		mg/Kg-dry	248448	1	09/15/2017 22:31	CJ
Carbon tetrachloride	BRL	0.0046		mg/Kg-dry	248448	1	09/15/2017 22:31	CJ
Chlorobenzene	BRL	0.0046		mg/Kg-dry	248448	1	09/15/2017 22:31	CJ
Chloroethane	BRL	0.0092		mg/Kg-dry	248448	1	09/15/2017 22:31	CJ
Chloroform	BRL	0.0046		mg/Kg-dry	248448	1	09/15/2017 22:31	CJ
Chloromethane	BRL	0.0092		mg/Kg-dry	248448	1	09/15/2017 22:31	CJ
cis-1,2-Dichloroethene	BRL	0.0046		mg/Kg-dry	248448	1	09/15/2017 22:31	CJ
cis-1,3-Dichloropropene	BRL	0.0046		mg/Kg-dry	248448	1	09/15/2017 22:31	CJ
Cyclohexane	BRL	0.0046		mg/Kg-dry	248448	1	09/15/2017 22:31	CJ
Dibromochloromethane	BRL	0.0046		mg/Kg-dry	248448	1	09/15/2017 22:31	CJ
Dichlorodifluoromethane	BRL	0.0092		mg/Kg-dry	248448	1	09/15/2017 22:31	CJ
Ethylbenzene	BRL	0.0046		mg/Kg-dry	248448	1	09/15/2017 22:31	CJ
Freon-113	BRL	0.0092		mg/Kg-dry	248448	1	09/15/2017 22:31	CJ
Isopropylbenzene	BRL	0.0046		mg/Kg-dry	248448	1	09/15/2017 22:31	CJ
m,p-Xylene	BRL	0.0046		mg/Kg-dry	248448	1	09/15/2017 22:31	CJ
Methyl acetate	BRL	0.0046		mg/Kg-dry	248448	1	09/15/2017 22:31	CJ
Methyl tert-butyl ether	BRL	0.0046		mg/Kg-dry	248448	1	09/15/2017 22:31	CJ
Methylcyclohexane	BRL	0.0046		mg/Kg-dry	248448	1	09/15/2017 22:31	CJ
Methylene chloride	BRL	0.018		mg/Kg-dry	248448	1	09/15/2017 22:31	CJ
o-Xylene	BRL	0.0046		mg/Kg-dry	248448	1	09/15/2017 22:31	CJ

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Sep-17

Client:	Sailors Engineering Associates	**Client Sample ID:**	DP-4 4'
Project Name:	Ideal Cleaners	**Collection Date:**	9/14/2017 9:34:00 AM
Lab ID:	1709A86-005	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Styrene	BRL	0.0046		mg/Kg-dry	248448	1	09/15/2017 22:31	CJ
Tetrachloroethene	0.055	0.0046		mg/Kg-dry	248448	1	09/15/2017 22:31	CJ
Toluene	BRL	0.0046		mg/Kg-dry	248448	1	09/15/2017 22:31	CJ
trans-1,2-Dichloroethene	BRL	0.0046		mg/Kg-dry	248448	1	09/15/2017 22:31	CJ
trans-1,3-Dichloropropene	BRL	0.0046		mg/Kg-dry	248448	1	09/15/2017 22:31	CJ
Trichloroethene	BRL	0.0046		mg/Kg-dry	248448	1	09/15/2017 22:31	CJ
Trichlorofluoromethane	BRL	0.0046		mg/Kg-dry	248448	1	09/15/2017 22:31	CJ
Vinyl chloride	BRL	0.0092		mg/Kg-dry	248448	1	09/15/2017 22:31	CJ
Surr: 4-Bromofluorobenzene	68.9	63-125		%REC	248448	1	09/15/2017 22:31	CJ
Surr: Dibromofluoromethane	97.8	69.9-123		%REC	248448	1	09/15/2017 22:31	CJ
Surr: Toluene-d8	90.4	70-122		%REC	248448	1	09/15/2017 22:31	CJ
SPLP (1312) VOLATILE ORGANICS SW1312/8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	248761	1	09/22/2017 02:03	AR
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	248761	1	09/22/2017 02:03	AR
1,1,2-Trichloroethane	BRL	5.0		ug/L	248761	1	09/22/2017 02:03	AR
1,1-Dichloroethane	BRL	5.0		ug/L	248761	1	09/22/2017 02:03	AR
1,1-Dichloroethene	BRL	5.0		ug/L	248761	1	09/22/2017 02:03	AR
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	248761	1	09/22/2017 02:03	AR
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	248761	1	09/22/2017 02:03	AR
1,2-Dibromoethane	BRL	5.0		ug/L	248761	1	09/22/2017 02:03	AR
1,2-Dichlorobenzene	BRL	5.0		ug/L	248761	1	09/22/2017 02:03	AR
1,2-Dichloroethane	BRL	5.0		ug/L	248761	1	09/22/2017 02:03	AR
1,2-Dichloropropane	BRL	5.0		ug/L	248761	1	09/22/2017 02:03	AR
1,3-Dichlorobenzene	BRL	5.0		ug/L	248761	1	09/22/2017 02:03	AR
1,4-Dichlorobenzene	BRL	5.0		ug/L	248761	1	09/22/2017 02:03	AR
2-Butanone	BRL	50		ug/L	248761	1	09/22/2017 02:03	AR
2-Hexanone	BRL	10		ug/L	248761	1	09/22/2017 02:03	AR
4-Methyl-2-pentanone	BRL	10		ug/L	248761	1	09/22/2017 02:03	AR
Acetone	BRL	50		ug/L	248761	1	09/22/2017 02:03	AR
Benzene	BRL	5.0		ug/L	248761	1	09/22/2017 02:03	AR
Bromodichloromethane	BRL	5.0		ug/L	248761	1	09/22/2017 02:03	AR
Bromoform	BRL	5.0		ug/L	248761	1	09/22/2017 02:03	AR
Bromomethane	BRL	5.0		ug/L	248761	1	09/22/2017 02:03	AR
Carbon disulfide	BRL	5.0		ug/L	248761	1	09/22/2017 02:03	AR
Carbon tetrachloride	BRL	5.0		ug/L	248761	1	09/22/2017 02:03	AR
Chlorobenzene	BRL	5.0		ug/L	248761	1	09/22/2017 02:03	AR
Chloroethane	BRL	10		ug/L	248761	1	09/22/2017 02:03	AR
Chloroform	BRL	5.0		ug/L	248761	1	09/22/2017 02:03	AR
Chloromethane	BRL	10		ug/L	248761	1	09/22/2017 02:03	AR
cis-1,2-Dichloroethene	BRL	5.0		ug/L	248761	1	09/22/2017 02:03	AR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Sep-17

Client:	Sailors Engineering Associates	**Client Sample ID:**	DP-4 4'
Project Name:	Ideal Cleaners	**Collection Date:**	9/14/2017 9:34:00 AM
Lab ID:	1709A86-005	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
SPLP (1312) VOLATILE ORGANICS SW1312/8260B				**(SW5030B)**				
cis-1,3-Dichloropropene	BRL	5.0		ug/L	248761	1	09/22/2017 02:03	AR
Cyclohexane	BRL	5.0		ug/L	248761	1	09/22/2017 02:03	AR
Dibromochloromethane	BRL	5.0		ug/L	248761	1	09/22/2017 02:03	AR
Dichlorodifluoromethane	BRL	5.0		ug/L	248761	1	09/22/2017 02:03	AR
Ethylbenzene	BRL	5.0		ug/L	248761	1	09/22/2017 02:03	AR
Freon-113	BRL	10		ug/L	248761	1	09/22/2017 02:03	AR
Isopropylbenzene	BRL	5.0		ug/L	248761	1	09/22/2017 02:03	AR
Methyl acetate	BRL	5.0		ug/L	248761	1	09/22/2017 02:03	AR
Methyl tert-butyl ether	BRL	5.0		ug/L	248761	1	09/22/2017 02:03	AR
Methylcyclohexane	BRL	5.0		ug/L	248761	1	09/22/2017 02:03	AR
Methylene chloride	BRL	5.0		ug/L	248761	1	09/22/2017 02:03	AR
Styrene	BRL	5.0		ug/L	248761	1	09/22/2017 02:03	AR
Tetrachloroethene	5.6	5.0		ug/L	248761	1	09/22/2017 02:03	AR
Toluene	BRL	5.0		ug/L	248761	1	09/22/2017 02:03	AR
trans-1,2-Dichloroethene	BRL	5.0		ug/L	248761	1	09/22/2017 02:03	AR
trans-1,3-Dichloropropene	BRL	5.0		ug/L	248761	1	09/22/2017 02:03	AR
Trichloroethene	BRL	5.0		ug/L	248761	1	09/22/2017 02:03	AR
Trichlorofluoromethane	BRL	5.0		ug/L	248761	1	09/22/2017 02:03	AR
Vinyl chloride	BRL	2.0		ug/L	248761	1	09/22/2017 02:03	AR
Xylenes, Total	BRL	5.0		ug/L	248761	1	09/22/2017 02:03	AR
1,2-Dichloroethene, Total	BRL	5.0		ug/L	248761	1	09/22/2017 02:03	AR
Surr: 4-Bromofluorobenzene	104	68.3-122		%REC	248761	1	09/22/2017 02:03	AR
Surr: Dibromofluoromethane	101	70.1-125		%REC	248761	1	09/22/2017 02:03	AR
Surr: Toluene-d8	97.3	81.4-120		%REC	248761	1	09/22/2017 02:03	AR
PERCENT MOISTURE D2216								
Percent Moisture	15.6	0		wt%	R352400	1	09/19/2017 13:00	OO

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Sep-17

Client:	Sailors Engineering Associates	**Client Sample ID:**	HA-1 4'
Project Name:	Ideal Cleaners	**Collection Date:**	9/14/2017 10:47:00 AM
Lab ID:	1709A86-006	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	0.0054		mg/Kg-dry	248448	1	09/15/2017 21:42	CJ
1,1,2,2-Tetrachloroethane	BRL	0.0054		mg/Kg-dry	248448	1	09/15/2017 21:42	CJ
1,1,2-Trichloroethane	BRL	0.0054		mg/Kg-dry	248448	1	09/15/2017 21:42	CJ
1,1-Dichloroethane	BRL	0.0054		mg/Kg-dry	248448	1	09/15/2017 21:42	CJ
1,1-Dichloroethene	BRL	0.0054		mg/Kg-dry	248448	1	09/15/2017 21:42	CJ
1,2,4-Trichlorobenzene	BRL	0.0054		mg/Kg-dry	248448	1	09/15/2017 21:42	CJ
1,2-Dibromo-3-chloropropane	BRL	0.0054		mg/Kg-dry	248448	1	09/15/2017 21:42	CJ
1,2-Dibromoethane	BRL	0.0054		mg/Kg-dry	248448	1	09/15/2017 21:42	CJ
1,2-Dichlorobenzene	BRL	0.0054		mg/Kg-dry	248448	1	09/15/2017 21:42	CJ
1,2-Dichloroethane	BRL	0.0054		mg/Kg-dry	248448	1	09/15/2017 21:42	CJ
1,2-Dichloropropane	BRL	0.0054		mg/Kg-dry	248448	1	09/15/2017 21:42	CJ
1,3-Dichlorobenzene	BRL	0.0054		mg/Kg-dry	248448	1	09/15/2017 21:42	CJ
1,4-Dichlorobenzene	BRL	0.0054		mg/Kg-dry	248448	1	09/15/2017 21:42	CJ
2-Butanone	BRL	0.054		mg/Kg-dry	248448	1	09/15/2017 21:42	CJ
2-Hexanone	BRL	0.011		mg/Kg-dry	248448	1	09/15/2017 21:42	CJ
4-Methyl-2-pentanone	BRL	0.011		mg/Kg-dry	248448	1	09/15/2017 21:42	CJ
Acetone	BRL	0.11		mg/Kg-dry	248448	1	09/15/2017 21:42	CJ
Benzene	BRL	0.0054		mg/Kg-dry	248448	1	09/15/2017 21:42	CJ
Bromodichloromethane	BRL	0.0054		mg/Kg-dry	248448	1	09/15/2017 21:42	CJ
Bromoform	BRL	0.0054		mg/Kg-dry	248448	1	09/15/2017 21:42	CJ
Bromomethane	BRL	0.0054		mg/Kg-dry	248448	1	09/15/2017 21:42	CJ
Carbon disulfide	BRL	0.011		mg/Kg-dry	248448	1	09/15/2017 21:42	CJ
Carbon tetrachloride	BRL	0.0054		mg/Kg-dry	248448	1	09/15/2017 21:42	CJ
Chlorobenzene	BRL	0.0054		mg/Kg-dry	248448	1	09/15/2017 21:42	CJ
Chloroethane	BRL	0.011		mg/Kg-dry	248448	1	09/15/2017 21:42	CJ
Chloroform	BRL	0.0054		mg/Kg-dry	248448	1	09/15/2017 21:42	CJ
Chloromethane	BRL	0.011		mg/Kg-dry	248448	1	09/15/2017 21:42	CJ
cis-1,2-Dichloroethene	0.080	0.0054		mg/Kg-dry	248448	1	09/15/2017 21:42	CJ
cis-1,3-Dichloropropene	BRL	0.0054		mg/Kg-dry	248448	1	09/15/2017 21:42	CJ
Cyclohexane	BRL	0.0054		mg/Kg-dry	248448	1	09/15/2017 21:42	CJ
Dibromochloromethane	BRL	0.0054		mg/Kg-dry	248448	1	09/15/2017 21:42	CJ
Dichlorodifluoromethane	BRL	0.011		mg/Kg-dry	248448	1	09/15/2017 21:42	CJ
Ethylbenzene	BRL	0.0054		mg/Kg-dry	248448	1	09/15/2017 21:42	CJ
Freon-113	BRL	0.011		mg/Kg-dry	248448	1	09/15/2017 21:42	CJ
Isopropylbenzene	BRL	0.0054		mg/Kg-dry	248448	1	09/15/2017 21:42	CJ
m,p-Xylene	BRL	0.0054		mg/Kg-dry	248448	1	09/15/2017 21:42	CJ
Methyl acetate	BRL	0.0054		mg/Kg-dry	248448	1	09/15/2017 21:42	CJ
Methyl tert-butyl ether	BRL	0.0054		mg/Kg-dry	248448	1	09/15/2017 21:42	CJ
Methylcyclohexane	BRL	0.0054		mg/Kg-dry	248448	1	09/15/2017 21:42	CJ
Methylene chloride	BRL	0.022		mg/Kg-dry	248448	1	09/15/2017 21:42	CJ
o-Xylene	BRL	0.0054		mg/Kg-dry	248448	1	09/15/2017 21:42	CJ

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Sep-17

Client:	Sailors Engineering Associates	**Client Sample ID:**	HA-1 4'
Project Name:	Ideal Cleaners	**Collection Date:**	9/14/2017 10:47:00 AM
Lab ID:	1709A86-006	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Styrene	BRL	0.0054		mg/Kg-dry	248448	1	09/15/2017 21:42	CJ
Tetrachloroethene	0.87	0.0054	E	mg/Kg-dry	248448	1	09/15/2017 21:42	CJ
Toluene	BRL	0.0054		mg/Kg-dry	248448	1	09/15/2017 21:42	CJ
trans-1,2-Dichloroethene	BRL	0.0054		mg/Kg-dry	248448	1	09/15/2017 21:42	CJ
trans-1,3-Dichloropropene	BRL	0.0054		mg/Kg-dry	248448	1	09/15/2017 21:42	CJ
Trichloroethene	0.039	0.0054		mg/Kg-dry	248448	1	09/15/2017 21:42	CJ
Trichlorofluoromethane	BRL	0.0054		mg/Kg-dry	248448	1	09/15/2017 21:42	CJ
Vinyl chloride	BRL	0.011		mg/Kg-dry	248448	1	09/15/2017 21:42	CJ
Surr: 4-Bromofluorobenzene	69.4	63-125		%REC	248448	1	09/15/2017 21:42	CJ
Surr: Dibromofluoromethane	97.9	69.9-123		%REC	248448	1	09/15/2017 21:42	CJ
Surr: Toluene-d8	93.9	70-122		%REC	248448	1	09/15/2017 21:42	CJ
SPLP (1312) VOLATILE ORGANICS SW1312/8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	248761	1	09/22/2017 02:28	AR
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	248761	1	09/22/2017 02:28	AR
1,1,2-Trichloroethane	BRL	5.0		ug/L	248761	1	09/22/2017 02:28	AR
1,1-Dichloroethane	BRL	5.0		ug/L	248761	1	09/22/2017 02:28	AR
1,1-Dichloroethene	BRL	5.0		ug/L	248761	1	09/22/2017 02:28	AR
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	248761	1	09/22/2017 02:28	AR
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	248761	1	09/22/2017 02:28	AR
1,2-Dibromoethane	BRL	5.0		ug/L	248761	1	09/22/2017 02:28	AR
1,2-Dichlorobenzene	BRL	5.0		ug/L	248761	1	09/22/2017 02:28	AR
1,2-Dichloroethane	BRL	5.0		ug/L	248761	1	09/22/2017 02:28	AR
1,2-Dichloropropane	BRL	5.0		ug/L	248761	1	09/22/2017 02:28	AR
1,3-Dichlorobenzene	BRL	5.0		ug/L	248761	1	09/22/2017 02:28	AR
1,4-Dichlorobenzene	BRL	5.0		ug/L	248761	1	09/22/2017 02:28	AR
2-Butanone	BRL	50		ug/L	248761	1	09/22/2017 02:28	AR
2-Hexanone	BRL	10		ug/L	248761	1	09/22/2017 02:28	AR
4-Methyl-2-pentanone	BRL	10		ug/L	248761	1	09/22/2017 02:28	AR
Acetone	BRL	50		ug/L	248761	1	09/22/2017 02:28	AR
Benzene	BRL	5.0		ug/L	248761	1	09/22/2017 02:28	AR
Bromodichloromethane	BRL	5.0		ug/L	248761	1	09/22/2017 02:28	AR
Bromoform	BRL	5.0		ug/L	248761	1	09/22/2017 02:28	AR
Bromomethane	BRL	5.0		ug/L	248761	1	09/22/2017 02:28	AR
Carbon disulfide	BRL	5.0		ug/L	248761	1	09/22/2017 02:28	AR
Carbon tetrachloride	BRL	5.0		ug/L	248761	1	09/22/2017 02:28	AR
Chlorobenzene	BRL	5.0		ug/L	248761	1	09/22/2017 02:28	AR
Chloroethane	BRL	10		ug/L	248761	1	09/22/2017 02:28	AR
Chloroform	BRL	5.0		ug/L	248761	1	09/22/2017 02:28	AR
Chloromethane	BRL	10		ug/L	248761	1	09/22/2017 02:28	AR
cis-1,2-Dichloroethene	BRL	5.0		ug/L	248761	1	09/22/2017 02:28	AR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Sep-17

Client:	Sailors Engineering Associates	**Client Sample ID:**	HA-1 4'
Project Name:	Ideal Cleaners	**Collection Date:**	9/14/2017 10:47:00 AM
Lab ID:	1709A86-006	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
SPLP (1312) VOLATILE ORGANICS SW1312/8260B				**(SW5030B)**				
cis-1,3-Dichloropropene	BRL	5.0		ug/L	248761	1	09/22/2017 02:28	AR
Cyclohexane	BRL	5.0		ug/L	248761	1	09/22/2017 02:28	AR
Dibromochloromethane	BRL	5.0		ug/L	248761	1	09/22/2017 02:28	AR
Dichlorodifluoromethane	BRL	5.0		ug/L	248761	1	09/22/2017 02:28	AR
Ethylbenzene	BRL	5.0		ug/L	248761	1	09/22/2017 02:28	AR
Freon-113	BRL	10		ug/L	248761	1	09/22/2017 02:28	AR
Isopropylbenzene	BRL	5.0		ug/L	248761	1	09/22/2017 02:28	AR
Methyl acetate	BRL	5.0		ug/L	248761	1	09/22/2017 02:28	AR
Methyl tert-butyl ether	BRL	5.0		ug/L	248761	1	09/22/2017 02:28	AR
Methylcyclohexane	BRL	5.0		ug/L	248761	1	09/22/2017 02:28	AR
Methylene chloride	BRL	5.0		ug/L	248761	1	09/22/2017 02:28	AR
Styrene	BRL	5.0		ug/L	248761	1	09/22/2017 02:28	AR
Tetrachloroethene	12	5.0		ug/L	248761	1	09/22/2017 02:28	AR
Toluene	BRL	5.0		ug/L	248761	1	09/22/2017 02:28	AR
trans-1,2-Dichloroethene	BRL	5.0		ug/L	248761	1	09/22/2017 02:28	AR
trans-1,3-Dichloropropene	BRL	5.0		ug/L	248761	1	09/22/2017 02:28	AR
Trichloroethene	BRL	5.0		ug/L	248761	1	09/22/2017 02:28	AR
Trichlorofluoromethane	BRL	5.0		ug/L	248761	1	09/22/2017 02:28	AR
Vinyl chloride	BRL	2.0		ug/L	248761	1	09/22/2017 02:28	AR
Xylenes, Total	BRL	5.0		ug/L	248761	1	09/22/2017 02:28	AR
1,2-Dichloroethene, Total	BRL	5.0		ug/L	248761	1	09/22/2017 02:28	AR
Surr: 4-Bromofluorobenzene	106	68.3-122		%REC	248761	1	09/22/2017 02:28	AR
Surr: Dibromofluoromethane	108	70.1-125		%REC	248761	1	09/22/2017 02:28	AR
Surr: Toluene-d8	102	81.4-120		%REC	248761	1	09/22/2017 02:28	AR
PERCENT MOISTURE D2216								
Percent Moisture	19.8	0		wt%	R352400	1	09/19/2017 13:00	OO

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Sep-17

Client:	Sailors Engineering Associates	**Client Sample ID:**	HA-2 4'
Project Name:	Ideal Cleaners	**Collection Date:**	9/14/2017 11:31:00 AM
Lab ID:	1709A86-007	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 22:56	CJ
1,1,2,2-Tetrachloroethane	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 22:56	CJ
1,1,2-Trichloroethane	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 22:56	CJ
1,1-Dichloroethane	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 22:56	CJ
1,1-Dichloroethene	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 22:56	CJ
1,2,4-Trichlorobenzene	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 22:56	CJ
1,2-Dibromo-3-chloropropane	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 22:56	CJ
1,2-Dibromoethane	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 22:56	CJ
1,2-Dichlorobenzene	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 22:56	CJ
1,2-Dichloroethane	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 22:56	CJ
1,2-Dichloropropane	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 22:56	CJ
1,3-Dichlorobenzene	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 22:56	CJ
1,4-Dichlorobenzene	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 22:56	CJ
2-Butanone	BRL	0.051		mg/Kg-dry	248448	1	09/15/2017 22:56	CJ
2-Hexanone	BRL	0.010		mg/Kg-dry	248448	1	09/15/2017 22:56	CJ
4-Methyl-2-pentanone	BRL	0.010		mg/Kg-dry	248448	1	09/15/2017 22:56	CJ
Acetone	BRL	0.10		mg/Kg-dry	248448	1	09/15/2017 22:56	CJ
Benzene	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 22:56	CJ
Bromodichloromethane	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 22:56	CJ
Bromoform	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 22:56	CJ
Bromomethane	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 22:56	CJ
Carbon disulfide	BRL	0.010		mg/Kg-dry	248448	1	09/15/2017 22:56	CJ
Carbon tetrachloride	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 22:56	CJ
Chlorobenzene	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 22:56	CJ
Chloroethane	BRL	0.010		mg/Kg-dry	248448	1	09/15/2017 22:56	CJ
Chloroform	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 22:56	CJ
Chloromethane	BRL	0.010		mg/Kg-dry	248448	1	09/15/2017 22:56	CJ
cis-1,2-Dichloroethene	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 22:56	CJ
cis-1,3-Dichloropropene	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 22:56	CJ
Cyclohexane	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 22:56	CJ
Dibromochloromethane	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 22:56	CJ
Dichlorodifluoromethane	BRL	0.010		mg/Kg-dry	248448	1	09/15/2017 22:56	CJ
Ethylbenzene	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 22:56	CJ
Freon-113	BRL	0.010		mg/Kg-dry	248448	1	09/15/2017 22:56	CJ
Isopropylbenzene	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 22:56	CJ
m,p-Xylene	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 22:56	CJ
Methyl acetate	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 22:56	CJ
Methyl tert-butyl ether	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 22:56	CJ
Methylcyclohexane	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 22:56	CJ
Methylene chloride	BRL	0.021		mg/Kg-dry	248448	1	09/15/2017 22:56	CJ
o-Xylene	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 22:56	CJ

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Sep-17

Client:	Sailors Engineering Associates	**Client Sample ID:**	HA-2 4'
Project Name:	Ideal Cleaners	**Collection Date:**	9/14/2017 11:31:00 AM
Lab ID:	1709A86-007	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Styrene	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 22:56	CJ
Tetrachloroethene	0.014	0.0051		mg/Kg-dry	248448	1	09/15/2017 22:56	CJ
Toluene	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 22:56	CJ
trans-1,2-Dichloroethene	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 22:56	CJ
trans-1,3-Dichloropropene	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 22:56	CJ
Trichloroethene	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 22:56	CJ
Trichlorofluoromethane	BRL	0.0051		mg/Kg-dry	248448	1	09/15/2017 22:56	CJ
Vinyl chloride	BRL	0.010		mg/Kg-dry	248448	1	09/15/2017 22:56	CJ
Surr: 4-Bromofluorobenzene	76.1	63-125		%REC	248448	1	09/15/2017 22:56	CJ
Surr: Dibromofluoromethane	97.3	69.9-123		%REC	248448	1	09/15/2017 22:56	CJ
Surr: Toluene-d8	94.6	70-122		%REC	248448	1	09/15/2017 22:56	CJ
SPLP (1312) VOLATILE ORGANICS SW1312/8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	248761	1	09/22/2017 02:52	AR
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	248761	1	09/22/2017 02:52	AR
1,1,2-Trichloroethane	BRL	5.0		ug/L	248761	1	09/22/2017 02:52	AR
1,1-Dichloroethane	BRL	5.0		ug/L	248761	1	09/22/2017 02:52	AR
1,1-Dichloroethene	BRL	5.0		ug/L	248761	1	09/22/2017 02:52	AR
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	248761	1	09/22/2017 02:52	AR
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	248761	1	09/22/2017 02:52	AR
1,2-Dibromoethane	BRL	5.0		ug/L	248761	1	09/22/2017 02:52	AR
1,2-Dichlorobenzene	BRL	5.0		ug/L	248761	1	09/22/2017 02:52	AR
1,2-Dichloroethane	BRL	5.0		ug/L	248761	1	09/22/2017 02:52	AR
1,2-Dichloropropane	BRL	5.0		ug/L	248761	1	09/22/2017 02:52	AR
1,3-Dichlorobenzene	BRL	5.0		ug/L	248761	1	09/22/2017 02:52	AR
1,4-Dichlorobenzene	BRL	5.0		ug/L	248761	1	09/22/2017 02:52	AR
2-Butanone	BRL	50		ug/L	248761	1	09/22/2017 02:52	AR
2-Hexanone	BRL	10		ug/L	248761	1	09/22/2017 02:52	AR
4-Methyl-2-pentanone	BRL	10		ug/L	248761	1	09/22/2017 02:52	AR
Acetone	BRL	50		ug/L	248761	1	09/22/2017 02:52	AR
Benzene	BRL	5.0		ug/L	248761	1	09/22/2017 02:52	AR
Bromodichloromethane	BRL	5.0		ug/L	248761	1	09/22/2017 02:52	AR
Bromoform	BRL	5.0		ug/L	248761	1	09/22/2017 02:52	AR
Bromomethane	BRL	5.0		ug/L	248761	1	09/22/2017 02:52	AR
Carbon disulfide	BRL	5.0		ug/L	248761	1	09/22/2017 02:52	AR
Carbon tetrachloride	BRL	5.0		ug/L	248761	1	09/22/2017 02:52	AR
Chlorobenzene	BRL	5.0		ug/L	248761	1	09/22/2017 02:52	AR
Chloroethane	BRL	10		ug/L	248761	1	09/22/2017 02:52	AR
Chloroform	BRL	5.0		ug/L	248761	1	09/22/2017 02:52	AR
Chloromethane	BRL	10		ug/L	248761	1	09/22/2017 02:52	AR
cis-1,2-Dichloroethene	BRL	5.0		ug/L	248761	1	09/22/2017 02:52	AR

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Sep-17

Client:	Sailors Engineering Associates	**Client Sample ID:**	HA-2 4'
Project Name:	Ideal Cleaners	**Collection Date:**	9/14/2017 11:31:00 AM
Lab ID:	1709A86-007	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
SPLP (1312) VOLATILE ORGANICS SW1312/8260B				**(SW5030B)**				
cis-1,3-Dichloropropene	BRL	5.0		ug/L	248761	1	09/22/2017 02:52	AR
Cyclohexane	BRL	5.0		ug/L	248761	1	09/22/2017 02:52	AR
Dibromochloromethane	BRL	5.0		ug/L	248761	1	09/22/2017 02:52	AR
Dichlorodifluoromethane	BRL	5.0		ug/L	248761	1	09/22/2017 02:52	AR
Ethylbenzene	BRL	5.0		ug/L	248761	1	09/22/2017 02:52	AR
Freon-113	BRL	10		ug/L	248761	1	09/22/2017 02:52	AR
Isopropylbenzene	BRL	5.0		ug/L	248761	1	09/22/2017 02:52	AR
Methyl acetate	BRL	5.0		ug/L	248761	1	09/22/2017 02:52	AR
Methyl tert-butyl ether	BRL	5.0		ug/L	248761	1	09/22/2017 02:52	AR
Methylcyclohexane	BRL	5.0		ug/L	248761	1	09/22/2017 02:52	AR
Methylene chloride	BRL	5.0		ug/L	248761	1	09/22/2017 02:52	AR
Styrene	BRL	5.0		ug/L	248761	1	09/22/2017 02:52	AR
Tetrachloroethene	790	50		ug/L	248761	10	09/22/2017 17:31	AR
Toluene	BRL	5.0		ug/L	248761	1	09/22/2017 02:52	AR
trans-1,2-Dichloroethene	BRL	5.0		ug/L	248761	1	09/22/2017 02:52	AR
trans-1,3-Dichloropropene	BRL	5.0		ug/L	248761	1	09/22/2017 02:52	AR
Trichloroethene	26	5.0		ug/L	248761	1	09/22/2017 02:52	AR
Trichlorofluoromethane	BRL	5.0		ug/L	248761	1	09/22/2017 02:52	AR
Vinyl chloride	BRL	2.0		ug/L	248761	1	09/22/2017 02:52	AR
Xylenes, Total	BRL	5.0		ug/L	248761	1	09/22/2017 02:52	AR
1,2-Dichloroethene, Total	BRL	5.0		ug/L	248761	1	09/22/2017 02:52	AR
Surr: 4-Bromofluorobenzene	98.4	68.3-122		%REC	248761	10	09/22/2017 17:31	AR
Surr: 4-Bromofluorobenzene	103	68.3-122		%REC	248761	1	09/22/2017 02:52	AR
Surr: Dibromofluoromethane	97.3	70.1-125		%REC	248761	10	09/22/2017 17:31	AR
Surr: Dibromofluoromethane	101	70.1-125		%REC	248761	1	09/22/2017 02:52	AR
Surr: Toluene-d8	99.8	81.4-120		%REC	248761	10	09/22/2017 17:31	AR
Surr: Toluene-d8	100	81.4-120		%REC	248761	1	09/22/2017 02:52	AR
PERCENT MOISTURE D2216								
Percent Moisture	8.04	0		wt%	R352400	1	09/19/2017 13:00	OO

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Sep-17

Client:	Sailors Engineering Associates	**Client Sample ID:**	TRIP BLANK
Project Name:	Ideal Cleaners	**Collection Date:**	9/14/2017
Lab ID:	1709A86-008	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	248385	1	09/15/2017 14:54	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	248385	1	09/15/2017 14:54	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	248385	1	09/15/2017 14:54	NP
1,1-Dichloroethane	BRL	5.0		ug/L	248385	1	09/15/2017 14:54	NP
1,1-Dichloroethene	BRL	5.0		ug/L	248385	1	09/15/2017 14:54	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	248385	1	09/15/2017 14:54	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	248385	1	09/15/2017 14:54	NP
1,2-Dibromoethane	BRL	5.0		ug/L	248385	1	09/15/2017 14:54	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	248385	1	09/15/2017 14:54	NP
1,2-Dichloroethane	BRL	5.0		ug/L	248385	1	09/15/2017 14:54	NP
1,2-Dichloropropane	BRL	5.0		ug/L	248385	1	09/15/2017 14:54	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	248385	1	09/15/2017 14:54	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	248385	1	09/15/2017 14:54	NP
2-Butanone	BRL	10		ug/L	248385	1	09/15/2017 14:54	NP
2-Hexanone	BRL	10		ug/L	248385	1	09/15/2017 14:54	NP
4-Methyl-2-pentanone	BRL	10		ug/L	248385	1	09/15/2017 14:54	NP
Acetone	BRL	20		ug/L	248385	1	09/15/2017 14:54	NP
Benzene	BRL	5.0		ug/L	248385	1	09/15/2017 14:54	NP
Bromodichloromethane	BRL	5.0		ug/L	248385	1	09/15/2017 14:54	NP
Bromoform	BRL	5.0		ug/L	248385	1	09/15/2017 14:54	NP
Bromomethane	BRL	5.0		ug/L	248385	1	09/15/2017 14:54	NP
Carbon disulfide	BRL	5.0		ug/L	248385	1	09/15/2017 14:54	NP
Carbon tetrachloride	BRL	5.0		ug/L	248385	1	09/15/2017 14:54	NP
Chlorobenzene	BRL	5.0		ug/L	248385	1	09/15/2017 14:54	NP
Chloroethane	BRL	10		ug/L	248385	1	09/15/2017 14:54	NP
Chloroform	BRL	5.0		ug/L	248385	1	09/15/2017 14:54	NP
Chloromethane	BRL	10		ug/L	248385	1	09/15/2017 14:54	NP
cis-1,2-Dichloroethene	BRL	5.0		ug/L	248385	1	09/15/2017 14:54	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	248385	1	09/15/2017 14:54	NP
Cyclohexane	BRL	5.0		ug/L	248385	1	09/15/2017 14:54	NP
Dibromochloromethane	BRL	5.0		ug/L	248385	1	09/15/2017 14:54	NP
Dichlorodifluoromethane	BRL	10		ug/L	248385	1	09/15/2017 14:54	NP
Ethylbenzene	BRL	5.0		ug/L	248385	1	09/15/2017 14:54	NP
Freon-113	BRL	10		ug/L	248385	1	09/15/2017 14:54	NP
Isopropylbenzene	BRL	5.0		ug/L	248385	1	09/15/2017 14:54	NP
m,p-Xylene	BRL	10		ug/L	248385	1	09/15/2017 14:54	NP
Methyl acetate	BRL	5.0		ug/L	248385	1	09/15/2017 14:54	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	248385	1	09/15/2017 14:54	NP
Methylcyclohexane	BRL	5.0		ug/L	248385	1	09/15/2017 14:54	NP
Methylene chloride	BRL	5.0		ug/L	248385	1	09/15/2017 14:54	NP
o-Xylene	BRL	5.0		ug/L	248385	1	09/15/2017 14:54	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 26-Sep-17

Client:	Sailors Engineering Associates	**Client Sample ID:**	TRIP BLANK
Project Name:	Ideal Cleaners	**Collection Date:**	9/14/2017
Lab ID:	1709A86-008	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	248385	1	09/15/2017 14:54	NP
Tetrachloroethene	BRL	5.0		ug/L	248385	1	09/15/2017 14:54	NP
Toluene	BRL	5.0		ug/L	248385	1	09/15/2017 14:54	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	248385	1	09/15/2017 14:54	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	248385	1	09/15/2017 14:54	NP
Trichloroethene	BRL	5.0		ug/L	248385	1	09/15/2017 14:54	NP
Trichlorofluoromethane	BRL	5.0		ug/L	248385	1	09/15/2017 14:54	NP
Vinyl chloride	BRL	2.0		ug/L	248385	1	09/15/2017 14:54	NP
Surr: 4-Bromofluorobenzene	88.9	66.1-129		%REC	248385	1	09/15/2017 14:54	NP
Surr: Dibromofluoromethane	103	83.6-123		%REC	248385	1	09/15/2017 14:54	NP
Surr: Toluene-d8	103	81.8-118		%REC	248385	1	09/15/2017 14:54	NP

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Clear Save as

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: **Sailors Engineering Associates** AES Work Order Number: **1709A86**

2. Carrier: FedEx ☐ UPS ☐ USPS ☐ Client ■ Courier ☐ Other _____

		Yes	No	N/A	Details	Comments
3.	Shipping container/cooler received in good condition?	●	○	○	damaged ☐ leaking ☐ other ☐	
4.	Custody seals present on shipping container?	○	●	○		
5.	Custody seals intact on shipping container?	○	○	●		
6.	Temperature blanks present?	●	○	○		
7.	Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]	●	○	○	Cooling initiated for recently collected samples / ice present ☐	
8.	Chain of Custody (COC) present?	●	○	○		
9.	Chain of Custody signed, dated, and timed when relinquished and received?	●	○	○		
10.	Sampler name and/or signature on COC?	●	○	○		
11.	Were all samples received within holding time?	●	○	○		
12.	TAT marked on the COC?	●	○	○	If no TAT indicated, proceeded with standard TAT per Terms & Conditions. ☐	

13. Cooler 1 Temperature 3.1 °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C

14. Cooler 5 Temperature _____ °C Cooler 6 Temperature _____ °C Cooler 7 Temperature _____ °C Cooler 8 Temperature _____ °C

15. Comments: _____

I certify that I have completed sections 1-15 (dated initials). MJ 9/14/17

		Yes	No	N/A	Details	Comments
16.	Were sample containers intact upon receipt?	●	○	○		
17.	Custody seals present on sample containers?	○	●	○		
18.	Custody seals intact on sample containers?	○	○	●		
19.	Do sample container labels match the COC?	●	○	○	incomplete info ☐ illegible ☐ no label ☐ other ☐	
20.	Are analyses requested indicated on the COC?	●	○	○		
21.	Were all of the samples listed on the COC received?	●	○	○	samples received but not listed on COC ☐ samples listed on COC not received ☐	
22.	Was the sample collection date/time noted?	●	○	○		
23.	Did we receive sufficient sample volume for indicated analyses?	●	○	○		
24.	Were samples received in appropriate containers?	●	○	○		
25.	Were VOA samples received without headspace (< 1/4" bubble)?	●	○	○		
26.	Were trip blanks submitted?	●	○	○	listed on COC ☐ not listed on COC ■	

27. Comments: _____

I certify that I have completed sections 16-27 (dated initials). MJ 9/14/17

This section only applies to samples where pH can be checked at Sample Receipt.

		Yes	No	N/A	Details	Comments
28.	Have containers needing chemical preservation been checked? *	○	○	●		
29.	Containers meet preservation guidelines?	○	○	●		
30.	Was pH adjusted at Sample Receipt?	○	○	●		

* Note: Certain analyses require chemical preservation but must be checked in the laboratory and not upon Sample Receipt such as Coliforms, VOCs and Oil & Grease/TPH.

I certify that I have completed sections 28-30 (dated initials). MJ 9/14/17

Checklist 6.9.17 Rev 2

Locked

Client: Sailors Engineering Associates
Project Name: Ideal Cleaners
Workorder: 1709A86

ANALYTICAL QC SUMMARY REPORT

BatchID: 248385

Sample ID: **MB-248385** Client ID: Units: **ug/L** Prep Date: **09/15/2017** Run No: **352179**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **248385** Analysis Date: **09/15/2017** Seq No: **7745950**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	50									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	50									
Benzene	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Sailors Engineering Associates
Project Name: Ideal Cleaners
Workorder: 1709A86

ANALYTICAL QC SUMMARY REPORT

BatchID: 248385

Sample ID: **MB-248385** Client ID: Units: **ug/L** Prep Date: **09/15/2017** Run No: **352179**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **248385** Analysis Date: **09/15/2017** Seq No: **7745950**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	2.0									
Surr: 4-Bromofluorobenzene	35.74	0	50.00		71.5	66.1	129				
Surr: Dibromofluoromethane	52.54	0	50.00		105	83.6	123				
Surr: Toluene-d8	43.08	0	50.00		86.2	81.8	118				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Sailors Engineering Associates
Project Name: Ideal Cleaners
Workorder: 1709A86

ANALYTICAL QC SUMMARY REPORT

BatchID: 248385

Sample ID: **LCS-248385** Client ID: Units: **ug/L** Prep Date: **09/15/2017** Run No: **352179**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **248385** Analysis Date: **09/15/2017** Seq No: **7745951**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	46.99	5.0	50.00		94.0	68	139				
Benzene	49.52	5.0	50.00		99.0	74	125				
Chlorobenzene	49.11	5.0	50.00		98.2	75.7	123				
Toluene	49.64	5.0	50.00		99.3	75.9	126				
Trichloroethene	48.75	5.0	50.00		97.5	70.6	129				
Surr: 4-Bromofluorobenzene	40.48	0	50.00		81.0	66.1	129				
Surr: Dibromofluoromethane	48.76	0	50.00		97.5	83.6	123				
Surr: Toluene-d8	41.85	0	50.00		83.7	81.8	118				

Sample ID: **1709886-006AMS** Client ID: Units: **ug/L** Prep Date: **09/15/2017** Run No: **352179**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **248385** Analysis Date: **09/15/2017** Seq No: **7747937**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	631.7	50	500.0		126	64.3	149				
Benzene	578.1	50	500.0		116	71.6	132				
Chlorobenzene	531.5	50	500.0		106	73.1	126				
Toluene	583.2	50	500.0		117	72.5	135				
Trichloroethene	631.5	50	500.0	53.70	116	70.2	132				
Surr: 4-Bromofluorobenzene	359.1	0	500.0		71.8	66.1	129				
Surr: Dibromofluoromethane	567.3	0	500.0		113	83.6	123				
Surr: Toluene-d8	412.2	0	500.0		82.4	81.8	118				

Sample ID: **1709886-006AMSD** Client ID: Units: **ug/L** Prep Date: **09/15/2017** Run No: **352179**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **248385** Analysis Date: **09/15/2017** Seq No: **7747938**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	650.7	50	500.0		130	64.3	149	631.7	2.96	30.8	
Benzene	582.7	50	500.0		117	71.6	132	578.1	0.793	20.7	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Sailors Engineering Associates
Project Name: Ideal Cleaners
Workorder: 1709A86

ANALYTICAL QC SUMMARY REPORT

BatchID: 248385

Sample ID: **1709886-006AMSD** Client ID:
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B**
Units: **ug/L** Prep Date: **09/15/2017** Run No: **352179**
BatchID: **248385** Analysis Date: **09/15/2017** Seq No: **7747938**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	541.7	50	500.0		108	73.1	126	531.5	1.90	26.6	
Toluene	609.0	50	500.0		122	72.5	135	583.2	4.33	23.2	
Trichloroethene	638.1	50	500.0	53.70	117	70.2	132	631.5	1.04	27.7	
Surr: 4-Bromofluorobenzene	343.2	0	500.0		68.6	66.1	129	359.1	0	0	
Surr: Dibromofluoromethane	564.5	0	500.0		113	83.6	123	567.3	0	0	
Surr: Toluene-d8	420.9	0	500.0		84.2	81.8	118	412.2	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Sailors Engineering Associates
Project Name: Ideal Cleaners
Workorder: 1709A86

ANALYTICAL QC SUMMARY REPORT

BatchID: 248428

Sample ID: **MB-248428** Client ID: Units: **ug/Kg** Prep Date: **09/16/2017** Run No: **352252**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **248428** Analysis Date: **09/16/2017** Seq No: **7747153**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	250									
1,1,2,2-Tetrachloroethane	BRL	250									
1,1,2-Trichloroethane	BRL	250									
1,1-Dichloroethane	BRL	250									
1,1-Dichloroethene	BRL	250									
1,2,4-Trichlorobenzene	BRL	250									
1,2-Dibromo-3-chloropropane	BRL	250									
1,2-Dibromoethane	BRL	250									
1,2-Dichlorobenzene	BRL	250									
1,2-Dichloroethane	BRL	250									
1,2-Dichloropropane	BRL	250									
1,3-Dichlorobenzene	BRL	250									
1,4-Dichlorobenzene	BRL	250									
2-Butanone	BRL	2500									
2-Hexanone	BRL	500									
4-Methyl-2-pentanone	BRL	500									
Acetone	BRL	5000									
Benzene	BRL	250									
Bromodichloromethane	BRL	250									
Bromoform	BRL	250									
Bromomethane	BRL	250									
Carbon disulfide	BRL	500									
Carbon tetrachloride	BRL	250									
Chlorobenzene	BRL	250									
Chloroethane	BRL	500									
Chloroform	BRL	250									
Chloromethane	BRL	500									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Sailors Engineering Associates
Project Name: Ideal Cleaners
Workorder: 1709A86

ANALYTICAL QC SUMMARY REPORT

BatchID: 248428

Sample ID: **MB-248428** Client ID: Units: **ug/Kg** Prep Date: **09/16/2017** Run No: **352252**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **248428** Analysis Date: **09/16/2017** Seq No: **7747153**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	250									
cis-1,3-Dichloropropene	BRL	250									
Cyclohexane	BRL	250									
Dibromochloromethane	BRL	250									
Dichlorodifluoromethane	BRL	500									
Ethylbenzene	BRL	250									
Freon-113	BRL	500									
Isopropylbenzene	BRL	250									
m,p-Xylene	BRL	250									
Methyl acetate	BRL	250									
Methyl tert-butyl ether	BRL	250									
Methylcyclohexane	BRL	250									
Methylene chloride	BRL	1000									
o-Xylene	BRL	250									
Styrene	BRL	250									
Tetrachloroethene	BRL	250									
Toluene	BRL	250									
trans-1,2-Dichloroethene	BRL	250									
trans-1,3-Dichloropropene	BRL	250									
Trichloroethene	BRL	250									
Trichlorofluoromethane	BRL	250									
Vinyl chloride	BRL	500									
Surr: 4-Bromofluorobenzene	2310	0	2500		92.4	63	125				
Surr: Dibromofluoromethane	2638	0	2500		106	69.9	123				
Surr: Toluene-d8	2586	0	2500		103	70	122				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Sailors Engineering Associates
Project Name: Ideal Cleaners
Workorder: 1709A86

ANALYTICAL QC SUMMARY REPORT

BatchID: 248428

Sample ID: **LCS-248428** Client ID: Units: **ug/Kg** Prep Date: **09/16/2017** Run No: **352252**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **248428** Analysis Date: **09/16/2017** Seq No: **7747151**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	3372	250	2500		135	62	142				
Benzene	2870	250	2500		115	70.2	131				
Chlorobenzene	2598	250	2500		104	72.9	129				
Toluene	2916	250	2500		117	70.6	131				
Trichloroethene	2577	250	2500		103	70.1	136				
Surr: 4-Bromofluorobenzene	2207	0	2500		88.3	63	125				
Surr: Dibromofluoromethane	2632	0	2500		105	69.9	123				
Surr: Toluene-d8	2586	0	2500		103	70	122				

Sample ID: **1709A86-003AMS** Client ID: **DP-2 6'** Units: **mg/Kg-dry** Prep Date: **09/16/2017** Run No: **352252**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **248428** Analysis Date: **09/16/2017** Seq No: **7747281**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	32.92	2.5	24.85		132	55	143				
Benzene	29.29	2.5	24.85		118	68.5	128				
Chlorobenzene	25.78	2.5	24.85		104	67.7	126				
Toluene	29.91	2.5	24.85		120	66.9	128				
Trichloroethene	234.9	2.5	24.85	168.0	269	60.7	133				SE
Surr: 4-Bromofluorobenzene	27.13	0	24.85		109	63	125				
Surr: Dibromofluoromethane	24.97	0	24.85		100	69.9	123				
Surr: Toluene-d8	25.53	0	24.85		103	70	122				

Sample ID: **1709A86-003AMSD** Client ID: **DP-2 6'** Units: **mg/Kg-dry** Prep Date: **09/16/2017** Run No: **352252**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **248428** Analysis Date: **09/16/2017** Seq No: **7747283**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	30.75	2.5	24.85		124	55	143	32.92	6.81	19.3	
Benzene	28.13	2.5	24.85		113	68.5	128	29.29	4.03	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Sailors Engineering Associates
Project Name: Ideal Cleaners
Workorder: 1709A86

ANALYTICAL QC SUMMARY REPORT

BatchID: 248428

Sample ID: **1709A86-003AMSD** Client ID: **DP-2 6'** Units: **mg/Kg-dry** Prep Date: **09/16/2017** Run No: **352252**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **248428** Analysis Date: **09/16/2017** Seq No: **7747283**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	25.22	2.5	24.85		101	67.7	126	25.78	2.22	20	
Toluene	28.90	2.5	24.85		116	66.9	128	29.91	3.43	20	
Trichloroethene	225.6	2.5	24.85	168.0	232	60.7	133	234.9	4.03	20	SE
Surr: 4-Bromofluorobenzene	26.48	0	24.85		107	63	125	27.13	0	0	
Surr: Dibromofluoromethane	24.74	0	24.85		99.5	69.9	123	24.97	0	0	
Surr: Toluene-d8	25.24	0	24.85		102	70	122	25.53	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Sailors Engineering Associates
Project Name: Ideal Cleaners
Workorder: 1709A86

ANALYTICAL QC SUMMARY REPORT

BatchID: 248448

Sample ID: **MB-248448** Client ID: Units: **ug/Kg** Prep Date: **09/15/2017** Run No: **352280**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **248448** Analysis Date: **09/15/2017** Seq No: **7748061**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	50									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	100									
Benzene	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	10									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Sailors Engineering Associates
Project Name: Ideal Cleaners
Workorder: 1709A86

ANALYTICAL QC SUMMARY REPORT

BatchID: 248448

Sample ID: **MB-248448** Client ID: Units: **ug/Kg** Prep Date: **09/15/2017** Run No: **352280**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **248448** Analysis Date: **09/15/2017** Seq No: **7748061**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	20									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	10									
Surr: 4-Bromofluorobenzene	42.28	0	50.00		84.6	63	125				
Surr: Dibromofluoromethane	48.03	0	50.00		96.1	69.9	123				
Surr: Toluene-d8	48.26	0	50.00		96.5	70	122				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Sailors Engineering Associates
Project Name: Ideal Cleaners
Workorder: 1709A86

ANALYTICAL QC SUMMARY REPORT

BatchID: 248448

Sample ID: **LCS-248448** Client ID: Units: **ug/Kg** Prep Date: **09/15/2017** Run No: **352280**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **248448** Analysis Date: **09/15/2017** Seq No: **7748058**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	43.38	5.0	50.00		86.8	62	142				
Benzene	47.88	5.0	50.00		95.8	70.2	131				
Chlorobenzene	46.10	5.0	50.00		92.2	72.9	129				
Toluene	48.45	5.0	50.00		96.9	70.6	131				
Trichloroethene	48.14	5.0	50.00		96.3	70.1	136				
Surr: 4-Bromofluorobenzene	40.71	0	50.00		81.4	63	125				
Surr: Dibromofluoromethane	46.86	0	50.00		93.7	69.9	123				
Surr: Toluene-d8	48.03	0	50.00		96.1	70	122				

Sample ID: **1709B56-005AMS** Client ID: Units: **mg/Kg-dry** Prep Date: **09/15/2017** Run No: **352280**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **248448** Analysis Date: **09/15/2017** Seq No: **7748059**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	0.05895	0.0062	0.0617		95.5	55	143				
Benzene	0.06397	0.0062	0.0617		104	68.5	128				
Chlorobenzene	0.06384	0.0062	0.0617		103	67.7	126				
Toluene	0.06502	0.0062	0.0617		105	66.9	128				
Trichloroethene	0.06287	0.0062	0.0617		102	60.7	133				
Surr: 4-Bromofluorobenzene	0.05010	0	0.0617		81.1	63	125				
Surr: Dibromofluoromethane	0.05635	0	0.0617		91.3	69.9	123				
Surr: Toluene-d8	0.05872	0	0.0617		95.1	70	122				

Sample ID: **1709B56-005AMSD** Client ID: Units: **mg/Kg-dry** Prep Date: **09/15/2017** Run No: **352280**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **248448** Analysis Date: **09/15/2017** Seq No: **7748060**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	0.05942	0.0062	0.0617		96.2	55	143	0.05895	0.793	19.3	
Benzene	0.06209	0.0062	0.0617		101	68.5	128	0.06397	2.98	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Sailors Engineering Associates
Project Name: Ideal Cleaners
Workorder: 1709A86

ANALYTICAL QC SUMMARY REPORT

BatchID: 248448

Sample ID: **1709B56-005AMSD** Client ID:
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B**
Units: **mg/Kg-dry** Prep Date: **09/15/2017** Run No: **352280**
BatchID: **248448** Analysis Date: **09/15/2017** Seq No: **7748060**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	0.06082	0.0062	0.0617		98.5	67.7	126	0.06384	4.85	20	
Toluene	0.06304	0.0062	0.0617		102	66.9	128	0.06502	3.09	20	
Trichloroethene	0.06120	0.0062	0.0617		99.1	60.7	133	0.06287	2.69	20	
Surr: 4-Bromofluorobenzene	0.05006	0	0.0617		81.1	63	125	0.05010	0	0	
Surr: Dibromofluoromethane	0.05709	0	0.0617		92.5	69.9	123	0.05635	0	0	
Surr: Toluene-d8	0.05888	0	0.0617		95.4	70	122	0.05872	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Sailors Engineering Associates
Project Name: Ideal Cleaners
Workorder: 1709A86

ANALYTICAL QC SUMMARY REPORT

BatchID: 248761

Sample ID: **MB-248761** Client ID: Units: **ug/L** Prep Date: **09/21/2017** Run No: **352622**
SampleType: **MBLK** TestCode: **SPLP (1312) VOLATILE ORGANICS SW1312/8260B** BatchID: **248761** Analysis Date: **09/21/2017** Seq No: **7758338**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloroethene, Total	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	50									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	50									
Benzene	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Sailors Engineering Associates
Project Name: Ideal Cleaners
Workorder: 1709A86

ANALYTICAL QC SUMMARY REPORT

BatchID: 248761

Sample ID: **MB-248761** Client ID: Units: **ug/L** Prep Date: **09/21/2017** Run No: **352622**
SampleType: **MBLK** TestCode: **SPLP (1312) VOLATILE ORGANICS SW1312/8260B** BatchID: **248761** Analysis Date: **09/21/2017** Seq No: **7758338**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloromethane	BRL	10									
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	5.0									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	2.0									
Xylenes, Total	BRL	5.0									
Surr: 4-Bromofluorobenzene	49.89	0	50.00		99.8	68.3	122				
Surr: Dibromofluoromethane	48.96	0	50.00		97.9	70.1	125				
Surr: Toluene-d8	48.09	0	50.00		96.2	81.4	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Sailors Engineering Associates
Project Name: Ideal Cleaners
Workorder: 1709A86

ANALYTICAL QC SUMMARY REPORT

BatchID: 248761

Sample ID: **LCS-248761** Client ID: Units: **ug/L** Prep Date: **09/21/2017** Run No: **352622**
SampleType: **LCS** TestCode: **SPLP (1312) VOLATILE ORGANICS SW1312/8260B** BatchID: **248761** Analysis Date: **09/21/2017** Seq No: **7758337**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	36.68	5.0	50.00		73.4	58.8	139				
Benzene	43.83	5.0	50.00		87.7	75.4	127				
Chlorobenzene	43.86	5.0	50.00		87.7	77.9	122				
Toluene	43.95	5.0	50.00		87.9	77.4	121				
Trichloroethene	45.28	5.0	50.00		90.6	72.1	132				
Surr: 4-Bromofluorobenzene	50.07	0	50.00		100	68.3	122				
Surr: Dibromofluoromethane	49.50	0	50.00		99.0	70.1	125				
Surr: Toluene-d8	48.81	0	50.00		97.6	81.4	120				

Sample ID: **1709A86-004BMS** Client ID: **DP-3 4'** Units: **ug/L** Prep Date: **09/21/2017** Run No: **352622**
SampleType: **MS** TestCode: **SPLP (1312) VOLATILE ORGANICS SW1312/8260B** BatchID: **248761** Analysis Date: **09/22/2017** Seq No: **7758343**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	2445	250	2500		97.8	61.9	137				
Benzene	2880	250	2500		115	71.8	130				
Chlorobenzene	2854	250	2500		114	72	125				
Toluene	2912	250	2500		116	70.3	130				
Trichloroethene	2925	250	2500		117	70.3	133				
Surr: 4-Bromofluorobenzene	2543	0	2500		102	68.3	122				
Surr: Dibromofluoromethane	2536	0	2500		101	70.1	125				
Surr: Toluene-d8	2440	0	2500		97.6	81.4	120				

Sample ID: **1709A86-004BMSD** Client ID: **DP-3 4'** Units: **ug/L** Prep Date: **09/21/2017** Run No: **352622**
SampleType: **MSD** TestCode: **SPLP (1312) VOLATILE ORGANICS SW1312/8260B** BatchID: **248761** Analysis Date: **09/22/2017** Seq No: **7758344**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	2570	250	2500		103	61.9	137	2445	4.99	21.8	
Benzene	3078	250	2500		123	71.8	130	2880	6.66	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Sailors Engineering Associates
Project Name: Ideal Cleaners
Workorder: 1709A86

ANALYTICAL QC SUMMARY REPORT

BatchID: 248761

Sample ID: **1709A86-004BMSD** Client ID: **DP-3 4'** Units: **ug/L** Prep Date: **09/21/2017** Run No: **352622**
SampleType: **MSD** TestCode: **SPLP (1312) VOLATILE ORGANICS SW1312/8260B** BatchID: **248761** Analysis Date: **09/22/2017** Seq No: **7758344**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	2782	250	2500		111	72	125	2854	2.54	20	
Toluene	3064	250	2500		123	70.3	130	2912	5.10	14.9	
Trichloroethene	3162	250	2500		126	70.3	133	2925	7.80	18	
Surr: 4-Bromofluorobenzene	2574	0	2500		103	68.3	122	2543	0	0	
Surr: Dibromofluoromethane	2737	0	2500		109	70.1	125	2536	0	0	
Surr: Toluene-d8	2630	0	2500		105	81.4	120	2440	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES

September 29, 2017

Michael Haller
Sailors Engineering Associates

1675 Spectrum Drive
Lawrenceville GA 30043

RE: 172-094

Dear Michael Haller: Order No: 1709H66

Analytical Environmental Services, Inc. received 2 samples on 9/20/2017 4:14:00 PM
for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES's accreditations are as follows:
-NELAP/Florida State Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, Air & Emissions for Organics, and Drinking Water Microbiology & Metals, effective 07/01/17-06/30/18.
State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective 07/01/17-06/30/18 and Total Coliforms/ E. coli, effective 04/25/17-04/24/20.
-NELAP/Louisiana Agency Interest No. 100818 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 07/01/17-06/30/18.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Metals, PCM Asbestos, Gravimetric), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 11/01/17.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Tyrel Heckendorf

Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC

3080 Presidential Drive. Atlanta GA 30340-3704

TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1709H60

Date: 9/20/17 Page 1 of 1

COMPANY: Sailors ENS

ADDRESS: Lawrenceville, GA

PHONE: (770) 962-5922

FAX:

SAMPLED BY: Austin Haller

SIGNATURE: Austin Haller

ANALYSIS REQUESTED

VOCs, SVOC, VOA

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	PRESERVATION (See codes)	REMARKS	No # of Containers
1	HA-SB@3'	9/20/17	12:30	✓		SO	X X		5
2	HA-SB@10'	9/20/17	1300	✓		SO	X X		5
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: Austin Haller	9/20/17 4:M	1:	9/20/17 4:14
2:		2:	
3:		3:	

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD

OUT / / VIA:

IN / / VIA:

CLIENT FedEx UPS MAIL COURIER GREYHOUND OTHER_____

PROJECT INFORMATION

PROJECT NAME: 172-094

PROJECT #:

SITE ADDRESS:

SEND REPORT TO: Haller

INVOICE TO: (IF DIFFERENT FROM ABOVE)

QUOTE #:_____ PO#:_____

RECEIPT

Total # of Containers

Turnaround Time Request

- Standard 5 Business Days
- 2 Business Day Rush
- Next Business Day Rush
- Same Day Rush **(auth req.)**
- Other _____

STATE PROGRAM (if any): _____

E-mail? Y / N Fax? Y / N

DATA PACKAGE: I II III IV

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Client: Sailors Engineering Associates
Project: 172-094
Lab ID: 1709H66

Case Narrative

Volatile Organic Compounds Analysis by Method 8260B:

Percent recovery for the internal standard compound 1,4-Dichlorobenzene-d4 on sample 1709H66-001A was outside control limits biased low due to suspected matrix interference. All other internal standard recoveries were within control limits.

Due to sample matrix, sample 1709H66-002A required dilution during preparation and/or analysis resulting in elevated reporting limits.

Analytical Environmental Services, Inc **Date:** 29-Sep-17

Client:	Sailors Engineering Associates	**Client Sample ID:**	HA-5@3'
Project Name:	172-094	**Collection Date:**	9/20/2017 12:30:00 PM
Lab ID:	1709H66-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	0.0050		mg/Kg-dry	248760	1	09/22/2017 13:44	CJ
1,1,2,2-Tetrachloroethane	BRL	0.0050		mg/Kg-dry	248760	1	09/22/2017 13:44	CJ
1,1,2-Trichloroethane	BRL	0.0050		mg/Kg-dry	248760	1	09/22/2017 13:44	CJ
1,1-Dichloroethane	BRL	0.0050		mg/Kg-dry	248760	1	09/22/2017 13:44	CJ
1,1-Dichloroethene	BRL	0.0050		mg/Kg-dry	248760	1	09/22/2017 13:44	CJ
1,2,4-Trichlorobenzene	BRL	0.0050		mg/Kg-dry	248760	1	09/22/2017 13:44	CJ
1,2-Dibromo-3-chloropropane	BRL	0.0050		mg/Kg-dry	248760	1	09/22/2017 13:44	CJ
1,2-Dibromoethane	BRL	0.0050		mg/Kg-dry	248760	1	09/22/2017 13:44	CJ
1,2-Dichlorobenzene	BRL	0.0050		mg/Kg-dry	248760	1	09/22/2017 13:44	CJ
1,2-Dichloroethane	BRL	0.0050		mg/Kg-dry	248760	1	09/22/2017 13:44	CJ
1,2-Dichloropropane	BRL	0.0050		mg/Kg-dry	248760	1	09/22/2017 13:44	CJ
1,3-Dichlorobenzene	BRL	0.0050		mg/Kg-dry	248760	1	09/22/2017 13:44	CJ
1,4-Dichlorobenzene	BRL	0.0050		mg/Kg-dry	248760	1	09/22/2017 13:44	CJ
2-Butanone	BRL	0.050		mg/Kg-dry	248760	1	09/22/2017 13:44	CJ
2-Hexanone	BRL	0.0099		mg/Kg-dry	248760	1	09/22/2017 13:44	CJ
4-Methyl-2-pentanone	BRL	0.0099		mg/Kg-dry	248760	1	09/22/2017 13:44	CJ
Acetone	BRL	0.099		mg/Kg-dry	248760	1	09/22/2017 13:44	CJ
Benzene	BRL	0.0050		mg/Kg-dry	248760	1	09/22/2017 13:44	CJ
Bromodichloromethane	BRL	0.0050		mg/Kg-dry	248760	1	09/22/2017 13:44	CJ
Bromoform	BRL	0.0050		mg/Kg-dry	248760	1	09/22/2017 13:44	CJ
Bromomethane	BRL	0.0050		mg/Kg-dry	248760	1	09/22/2017 13:44	CJ
Carbon disulfide	BRL	0.0099		mg/Kg-dry	248760	1	09/22/2017 13:44	CJ
Carbon tetrachloride	BRL	0.0050		mg/Kg-dry	248760	1	09/22/2017 13:44	CJ
Chlorobenzene	BRL	0.0050		mg/Kg-dry	248760	1	09/22/2017 13:44	CJ
Chloroethane	BRL	0.0099		mg/Kg-dry	248760	1	09/22/2017 13:44	CJ
Chloroform	BRL	0.0050		mg/Kg-dry	248760	1	09/22/2017 13:44	CJ
Chloromethane	BRL	0.0099		mg/Kg-dry	248760	1	09/22/2017 13:44	CJ
cis-1,2-Dichloroethene	BRL	0.0050		mg/Kg-dry	248760	1	09/22/2017 13:44	CJ
cis-1,3-Dichloropropene	BRL	0.0050		mg/Kg-dry	248760	1	09/22/2017 13:44	CJ
Cyclohexane	BRL	0.0050		mg/Kg-dry	248760	1	09/22/2017 13:44	CJ
Dibromochloromethane	BRL	0.0050		mg/Kg-dry	248760	1	09/22/2017 13:44	CJ
Dichlorodifluoromethane	BRL	0.0099		mg/Kg-dry	248760	1	09/22/2017 13:44	CJ
Ethylbenzene	BRL	0.0050		mg/Kg-dry	248760	1	09/22/2017 13:44	CJ
Freon-113	BRL	0.0099		mg/Kg-dry	248760	1	09/22/2017 13:44	CJ
Isopropylbenzene	BRL	0.0050		mg/Kg-dry	248760	1	09/22/2017 13:44	CJ
m,p-Xylene	BRL	0.0050		mg/Kg-dry	248760	1	09/22/2017 13:44	CJ
Methyl acetate	BRL	0.0050		mg/Kg-dry	248760	1	09/22/2017 13:44	CJ
Methyl tert-butyl ether	BRL	0.0050		mg/Kg-dry	248760	1	09/22/2017 13:44	CJ
Methylcyclohexane	BRL	0.0050		mg/Kg-dry	248760	1	09/22/2017 13:44	CJ
Methylene chloride	BRL	0.020		mg/Kg-dry	248760	1	09/22/2017 13:44	CJ
o-Xylene	BRL	0.0050		mg/Kg-dry	248760	1	09/22/2017 13:44	CJ

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Sep-17

Client:	Sailors Engineering Associates	**Client Sample ID:**	HA-5@3'
Project Name:	172-094	**Collection Date:**	9/20/2017 12:30:00 PM
Lab ID:	1709H66-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Styrene	BRL	0.0050		mg/Kg-dry	248760	1	09/22/2017 13:44	CJ
Tetrachloroethene	0.14	0.0050		mg/Kg-dry	248760	1	09/22/2017 13:44	CJ
Toluene	BRL	0.0050		mg/Kg-dry	248760	1	09/22/2017 13:44	CJ
trans-1,2-Dichloroethene	BRL	0.0050		mg/Kg-dry	248760	1	09/22/2017 13:44	CJ
trans-1,3-Dichloropropene	BRL	0.0050		mg/Kg-dry	248760	1	09/22/2017 13:44	CJ
Trichloroethene	BRL	0.0050		mg/Kg-dry	248760	1	09/22/2017 13:44	CJ
Trichlorofluoromethane	BRL	0.0050		mg/Kg-dry	248760	1	09/22/2017 13:44	CJ
Vinyl chloride	BRL	0.0099		mg/Kg-dry	248760	1	09/22/2017 13:44	CJ
Surr: 4-Bromofluorobenzene	86.2	63-125		%REC	248760	1	09/22/2017 13:44	CJ
Surr: Dibromofluoromethane	94.1	69.9-123		%REC	248760	1	09/22/2017 13:44	CJ
Surr: Toluene-d8	94.4	70-122		%REC	248760	1	09/22/2017 13:44	CJ
SPLP (1312) VOLATILE ORGANICS SW1312/8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	249060	1	09/28/2017 12:42	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	249060	1	09/28/2017 12:42	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	249060	1	09/28/2017 12:42	NP
1,1-Dichloroethane	BRL	5.0		ug/L	249060	1	09/28/2017 12:42	NP
1,1-Dichloroethene	BRL	5.0		ug/L	249060	1	09/28/2017 12:42	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	249060	1	09/28/2017 12:42	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	249060	1	09/28/2017 12:42	NP
1,2-Dibromoethane	BRL	5.0		ug/L	249060	1	09/28/2017 12:42	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	249060	1	09/28/2017 12:42	NP
1,2-Dichloroethane	BRL	5.0		ug/L	249060	1	09/28/2017 12:42	NP
1,2-Dichloropropane	BRL	5.0		ug/L	249060	1	09/28/2017 12:42	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	249060	1	09/28/2017 12:42	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	249060	1	09/28/2017 12:42	NP
2-Butanone	BRL	50		ug/L	249060	1	09/28/2017 12:42	NP
2-Hexanone	BRL	10		ug/L	249060	1	09/28/2017 12:42	NP
4-Methyl-2-pentanone	BRL	10		ug/L	249060	1	09/28/2017 12:42	NP
Acetone	BRL	50		ug/L	249060	1	09/28/2017 12:42	NP
Benzene	BRL	5.0		ug/L	249060	1	09/28/2017 12:42	NP
Bromodichloromethane	BRL	5.0		ug/L	249060	1	09/28/2017 12:42	NP
Bromoform	BRL	5.0		ug/L	249060	1	09/28/2017 12:42	NP
Bromomethane	BRL	5.0		ug/L	249060	1	09/28/2017 12:42	NP
Carbon disulfide	BRL	5.0		ug/L	249060	1	09/28/2017 12:42	NP
Carbon tetrachloride	BRL	5.0		ug/L	249060	1	09/28/2017 12:42	NP
Chlorobenzene	BRL	5.0		ug/L	249060	1	09/28/2017 12:42	NP
Chloroethane	BRL	10		ug/L	249060	1	09/28/2017 12:42	NP
Chloroform	BRL	5.0		ug/L	249060	1	09/28/2017 12:42	NP
Chloromethane	BRL	10		ug/L	249060	1	09/28/2017 12:42	NP
cis-1,2-Dichloroethene	BRL	5.0		ug/L	249060	1	09/28/2017 12:42	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Sep-17

Client:	Sailors Engineering Associates	**Client Sample ID:**	HA-5@3'
Project Name:	172-094	**Collection Date:**	9/20/2017 12:30:00 PM
Lab ID:	1709H66-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
SPLP (1312) VOLATILE ORGANICS SW1312/8260B				**(SW5030B)**				
cis-1,3-Dichloropropene	BRL	5.0		ug/L	249060	1	09/28/2017 12:42	NP
Cyclohexane	BRL	5.0		ug/L	249060	1	09/28/2017 12:42	NP
Dibromochloromethane	BRL	5.0		ug/L	249060	1	09/28/2017 12:42	NP
Dichlorodifluoromethane	BRL	5.0		ug/L	249060	1	09/28/2017 12:42	NP
Ethylbenzene	BRL	5.0		ug/L	249060	1	09/28/2017 12:42	NP
Freon-113	BRL	10		ug/L	249060	1	09/28/2017 12:42	NP
Isopropylbenzene	BRL	5.0		ug/L	249060	1	09/28/2017 12:42	NP
Methyl acetate	BRL	5.0		ug/L	249060	1	09/28/2017 12:42	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	249060	1	09/28/2017 12:42	NP
Methylcyclohexane	BRL	5.0		ug/L	249060	1	09/28/2017 12:42	NP
Methylene chloride	BRL	5.0		ug/L	249060	1	09/28/2017 12:42	NP
Styrene	BRL	5.0		ug/L	249060	1	09/28/2017 12:42	NP
Tetrachloroethene	BRL	5.0		ug/L	249060	1	09/28/2017 12:42	NP
Toluene	BRL	5.0		ug/L	249060	1	09/28/2017 12:42	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	249060	1	09/28/2017 12:42	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	249060	1	09/28/2017 12:42	NP
Trichloroethene	BRL	5.0		ug/L	249060	1	09/28/2017 12:42	NP
Trichlorofluoromethane	BRL	5.0		ug/L	249060	1	09/28/2017 12:42	NP
Vinyl chloride	BRL	2.0		ug/L	249060	1	09/28/2017 12:42	NP
Xylenes, Total	BRL	5.0		ug/L	249060	1	09/28/2017 12:42	NP
1,2-Dichloroethene, Total	BRL	5.0		ug/L	249060	1	09/28/2017 12:42	NP
Surr: 4-Bromofluorobenzene	85.9	68.3-122		%REC	249060	1	09/28/2017 12:42	NP
Surr: Dibromofluoromethane	104	70.1-125		%REC	249060	1	09/28/2017 12:42	NP
Surr: Toluene-d8	97.7	81.4-120		%REC	249060	1	09/28/2017 12:42	NP
PERCENT MOISTURE D2216								
Percent Moisture	17.9	0		wt%	R352726	1	09/22/2017 14:00	OO

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Sep-17

Client:	Sailors Engineering Associates	**Client Sample ID:**	HA-5@10'
Project Name:	172-094	**Collection Date:**	9/20/2017 1:00:00 PM
Lab ID:	1709H66-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	0.24		mg/Kg-dry	248854	50	09/25/2017 13:56	NP
1,1,2,2-Tetrachloroethane	BRL	0.24		mg/Kg-dry	248854	50	09/25/2017 13:56	NP
1,1,2-Trichloroethane	BRL	0.24		mg/Kg-dry	248854	50	09/25/2017 13:56	NP
1,1-Dichloroethane	BRL	0.24		mg/Kg-dry	248854	50	09/25/2017 13:56	NP
1,1-Dichloroethene	BRL	0.24		mg/Kg-dry	248854	50	09/25/2017 13:56	NP
1,2,4-Trichlorobenzene	BRL	0.24		mg/Kg-dry	248854	50	09/25/2017 13:56	NP
1,2-Dibromo-3-chloropropane	BRL	0.24		mg/Kg-dry	248854	50	09/25/2017 13:56	NP
1,2-Dibromoethane	BRL	0.24		mg/Kg-dry	248854	50	09/25/2017 13:56	NP
1,2-Dichlorobenzene	BRL	0.24		mg/Kg-dry	248854	50	09/25/2017 13:56	NP
1,2-Dichloroethane	BRL	0.24		mg/Kg-dry	248854	50	09/25/2017 13:56	NP
1,2-Dichloropropane	BRL	0.24		mg/Kg-dry	248854	50	09/25/2017 13:56	NP
1,3-Dichlorobenzene	BRL	0.24		mg/Kg-dry	248854	50	09/25/2017 13:56	NP
1,4-Dichlorobenzene	BRL	0.24		mg/Kg-dry	248854	50	09/25/2017 13:56	NP
2-Butanone	BRL	2.4		mg/Kg-dry	248854	50	09/25/2017 13:56	NP
2-Hexanone	BRL	0.49		mg/Kg-dry	248854	50	09/25/2017 13:56	NP
4-Methyl-2-pentanone	BRL	0.49		mg/Kg-dry	248854	50	09/25/2017 13:56	NP
Acetone	BRL	4.9		mg/Kg-dry	248854	50	09/25/2017 13:56	NP
Benzene	BRL	0.24		mg/Kg-dry	248854	50	09/25/2017 13:56	NP
Bromodichloromethane	BRL	0.24		mg/Kg-dry	248854	50	09/25/2017 13:56	NP
Bromoform	BRL	0.24		mg/Kg-dry	248854	50	09/25/2017 13:56	NP
Bromomethane	BRL	0.24		mg/Kg-dry	248854	50	09/25/2017 13:56	NP
Carbon disulfide	BRL	0.49		mg/Kg-dry	248854	50	09/25/2017 13:56	NP
Carbon tetrachloride	BRL	0.24		mg/Kg-dry	248854	50	09/25/2017 13:56	NP
Chlorobenzene	BRL	0.24		mg/Kg-dry	248854	50	09/25/2017 13:56	NP
Chloroethane	BRL	0.49		mg/Kg-dry	248854	50	09/25/2017 13:56	NP
Chloroform	BRL	0.24		mg/Kg-dry	248854	50	09/25/2017 13:56	NP
Chloromethane	BRL	0.49		mg/Kg-dry	248854	50	09/25/2017 13:56	NP
cis-1,2-Dichloroethene	BRL	0.24		mg/Kg-dry	248854	50	09/25/2017 13:56	NP
cis-1,3-Dichloropropene	BRL	0.24		mg/Kg-dry	248854	50	09/25/2017 13:56	NP
Cyclohexane	BRL	0.24		mg/Kg-dry	248854	50	09/25/2017 13:56	NP
Dibromochloromethane	BRL	0.24		mg/Kg-dry	248854	50	09/25/2017 13:56	NP
Dichlorodifluoromethane	BRL	0.49		mg/Kg-dry	248854	50	09/25/2017 13:56	NP
Ethylbenzene	BRL	0.24		mg/Kg-dry	248854	50	09/25/2017 13:56	NP
Freon-113	BRL	0.49		mg/Kg-dry	248854	50	09/25/2017 13:56	NP
Isopropylbenzene	BRL	0.24		mg/Kg-dry	248854	50	09/25/2017 13:56	NP
m,p-Xylene	BRL	0.24		mg/Kg-dry	248854	50	09/25/2017 13:56	NP
Methyl acetate	BRL	0.24		mg/Kg-dry	248854	50	09/25/2017 13:56	NP
Methyl tert-butyl ether	BRL	0.24		mg/Kg-dry	248854	50	09/25/2017 13:56	NP
Methylcyclohexane	BRL	0.24		mg/Kg-dry	248854	50	09/25/2017 13:56	NP
Methylene chloride	BRL	0.97		mg/Kg-dry	248854	50	09/25/2017 13:56	NP
o-Xylene	BRL	0.24		mg/Kg-dry	248854	50	09/25/2017 13:56	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Sep-17

Client:	Sailors Engineering Associates	**Client Sample ID:**	HA-5@10'
Project Name:	172-094	**Collection Date:**	9/20/2017 1:00:00 PM
Lab ID:	1709H66-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Styrene	BRL	0.24		mg/Kg-dry	248854	50	09/25/2017 13:56	NP
Tetrachloroethene	5.9	0.24		mg/Kg-dry	248854	50	09/25/2017 13:56	NP
Toluene	BRL	0.24		mg/Kg-dry	248854	50	09/25/2017 13:56	NP
trans-1,2-Dichloroethene	BRL	0.24		mg/Kg-dry	248854	50	09/25/2017 13:56	NP
trans-1,3-Dichloropropene	BRL	0.24		mg/Kg-dry	248854	50	09/25/2017 13:56	NP
Trichloroethene	BRL	0.24		mg/Kg-dry	248854	50	09/25/2017 13:56	NP
Trichlorofluoromethane	BRL	0.24		mg/Kg-dry	248854	50	09/25/2017 13:56	NP
Vinyl chloride	BRL	0.49		mg/Kg-dry	248854	50	09/25/2017 13:56	NP
Surr: 4-Bromofluorobenzene	97.1	63-125		%REC	248854	50	09/25/2017 13:56	NP
Surr: Dibromofluoromethane	101	69.9-123		%REC	248854	50	09/25/2017 13:56	NP
Surr: Toluene-d8	98.5	70-122		%REC	248854	50	09/25/2017 13:56	NP
SPLP (1312) VOLATILE ORGANICS SW1312/8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	249060	1	09/28/2017 13:06	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	249060	1	09/28/2017 13:06	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	249060	1	09/28/2017 13:06	NP
1,1-Dichloroethane	BRL	5.0		ug/L	249060	1	09/28/2017 13:06	NP
1,1-Dichloroethene	BRL	5.0		ug/L	249060	1	09/28/2017 13:06	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	249060	1	09/28/2017 13:06	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	249060	1	09/28/2017 13:06	NP
1,2-Dibromoethane	BRL	5.0		ug/L	249060	1	09/28/2017 13:06	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	249060	1	09/28/2017 13:06	NP
1,2-Dichloroethane	BRL	5.0		ug/L	249060	1	09/28/2017 13:06	NP
1,2-Dichloropropane	BRL	5.0		ug/L	249060	1	09/28/2017 13:06	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	249060	1	09/28/2017 13:06	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	249060	1	09/28/2017 13:06	NP
2-Butanone	BRL	50		ug/L	249060	1	09/28/2017 13:06	NP
2-Hexanone	BRL	10		ug/L	249060	1	09/28/2017 13:06	NP
4-Methyl-2-pentanone	BRL	10		ug/L	249060	1	09/28/2017 13:06	NP
Acetone	BRL	50		ug/L	249060	1	09/28/2017 13:06	NP
Benzene	BRL	5.0		ug/L	249060	1	09/28/2017 13:06	NP
Bromodichloromethane	BRL	5.0		ug/L	249060	1	09/28/2017 13:06	NP
Bromoform	BRL	5.0		ug/L	249060	1	09/28/2017 13:06	NP
Bromomethane	BRL	5.0		ug/L	249060	1	09/28/2017 13:06	NP
Carbon disulfide	BRL	5.0		ug/L	249060	1	09/28/2017 13:06	NP
Carbon tetrachloride	BRL	5.0		ug/L	249060	1	09/28/2017 13:06	NP
Chlorobenzene	BRL	5.0		ug/L	249060	1	09/28/2017 13:06	NP
Chloroethane	BRL	10		ug/L	249060	1	09/28/2017 13:06	NP
Chloroform	BRL	5.0		ug/L	249060	1	09/28/2017 13:06	NP
Chloromethane	BRL	10		ug/L	249060	1	09/28/2017 13:06	NP
cis-1,2-Dichloroethene	BRL	5.0		ug/L	249060	1	09/28/2017 13:06	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 29-Sep-17

Client:	Sailors Engineering Associates	**Client Sample ID:**	HA-5@10'
Project Name:	172-094	**Collection Date:**	9/20/2017 1:00:00 PM
Lab ID:	1709H66-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
SPLP (1312) VOLATILE ORGANICS SW1312/8260B				**(SW5030B)**				
cis-1,3-Dichloropropene	BRL	5.0		ug/L	249060	1	09/28/2017 13:06	NP
Cyclohexane	BRL	5.0		ug/L	249060	1	09/28/2017 13:06	NP
Dibromochloromethane	BRL	5.0		ug/L	249060	1	09/28/2017 13:06	NP
Dichlorodifluoromethane	BRL	5.0		ug/L	249060	1	09/28/2017 13:06	NP
Ethylbenzene	BRL	5.0		ug/L	249060	1	09/28/2017 13:06	NP
Freon-113	BRL	10		ug/L	249060	1	09/28/2017 13:06	NP
Isopropylbenzene	BRL	5.0		ug/L	249060	1	09/28/2017 13:06	NP
Methyl acetate	BRL	5.0		ug/L	249060	1	09/28/2017 13:06	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	249060	1	09/28/2017 13:06	NP
Methylcyclohexane	BRL	5.0		ug/L	249060	1	09/28/2017 13:06	NP
Methylene chloride	BRL	5.0		ug/L	249060	1	09/28/2017 13:06	NP
Styrene	BRL	5.0		ug/L	249060	1	09/28/2017 13:06	NP
Tetrachloroethene	100	5.0		ug/L	249060	1	09/28/2017 13:06	NP
Toluene	BRL	5.0		ug/L	249060	1	09/28/2017 13:06	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	249060	1	09/28/2017 13:06	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	249060	1	09/28/2017 13:06	NP
Trichloroethene	5.2	5.0		ug/L	249060	1	09/28/2017 13:06	NP
Trichlorofluoromethane	BRL	5.0		ug/L	249060	1	09/28/2017 13:06	NP
Vinyl chloride	BRL	2.0		ug/L	249060	1	09/28/2017 13:06	NP
Xylenes, Total	BRL	5.0		ug/L	249060	1	09/28/2017 13:06	NP
1,2-Dichloroethene, Total	BRL	5.0		ug/L	249060	1	09/28/2017 13:06	NP
Surr: 4-Bromofluorobenzene	88.4	68.3-122		%REC	249060	1	09/28/2017 13:06	NP
Surr: Dibromofluoromethane	103	70.1-125		%REC	249060	1	09/28/2017 13:06	NP
Surr: Toluene-d8	96.4	81.4-120		%REC	249060	1	09/28/2017 13:06	NP
PERCENT MOISTURE D2216								
Percent Moisture	22.7	0		wt%	R352726	1	09/22/2017 14:00	OO

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 29-Sep-17

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: HA-5@3'				**Lab ID:** 1709H66-001			
Collection Date: 9/20/2017 12:30:00 PM				**Matrix:** Soil			
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**			
Tetrachloroethene	0.14		0.0015	0.0050	mg/Kg-dry	248760	1
PERCENT MOISTURE D2216							
Percent Moisture	17.9		0	0	wt%	R352726	1
Client Sample ID: HA-5@10'				**Lab ID:** 1709H66-002			
Collection Date: 9/20/2017 1:00:00 PM				**Matrix:** Soil			
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**			
Tetrachloroethene	5.9		0.074	0.24	mg/Kg-dry	248854	50
SPLP (1312) VOLATILE ORGANICS SW1312/8260B				**(SW5030B)**			
Tetrachloroethene	100		0.46	5.0	ug/L	249060	1
Trichloroethene	5.2		0.30	5.0	ug/L	249060	1
PERCENT MOISTURE D2216							
Percent Moisture	22.7		0	0	wt%	R352726	1

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

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AES ANALYTICAL ENVIRONMENTAL SERVICES, INC.

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: **Sailors Engineering Associates** AES Work Order Number: **1709H66**

2. Carrier: FedEx ☐ UPS ☐ USPS ☐ Client ■ Courier ☐ Other _____

		Yes	No	N/A	Details	Comments
3.	Shipping container/cooler received in good condition?	●	○	○	damaged ☐ leaking ☐ other ☐	
4.	Custody seals present on shipping container?	○	●	○		
5.	Custody seals intact on shipping container?	○	○	●		
6.	Temperature blanks present?	●	○	○		
7.	Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]	●	○	○	Cooling initiated for recently collected samples / ice present ☐	
8.	Chain of Custody (COC) present?	●	○	○		
9.	Chain of Custody signed, dated, and timed when relinquished and received?	●	○	○		
10.	Sampler name and/or signature on COC?	●	○	○		
11.	Were all samples received within holding time?	●	○	○		
12.	TAT marked on the COC?	●	○	○	If no TAT indicated, proceeded with standard TAT per Terms & Conditions. ☐	

13. Cooler 1 Temperature 2.2 °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C

14. Cooler 5 Temperature _____ °C Cooler 6 Temperature _____ °C Cooler 7 Temperature _____ °C Cooler 8 Temperature _____ °C

15. Comments:

I certify that I have completed sections 1-15 (dated initials). MJ 9/20/17

		Yes	No	N/A	Details	Comments
16.	Were sample containers intact upon receipt?	●	○	○		
17.	Custody seals present on sample containers?	○	●	○		
18.	Custody seals intact on sample containers?	○	○	●		
19.	Do sample container labels match the COC?	●	○	○	incomplete info ☐ illegible ☐ no label ☐ other ☐	
20.	Are analyses requested indicated on the COC?	●	○	○		
21.	Were all of the samples listed on the COC received?	●	○	○	samples received but not listed on COC ☐ samples listed on COC not received ☐	
22.	Was the sample collection date/time noted?	●	○	○		
23.	Did we receive sufficient sample volume for indicated analyses?	●	○	○		
24.	Were samples received in appropriate containers?	●	○	○		
25.	Were VOA samples received without headspace (< 1/4" bubble)?	○	○	●		
26.	Were trip blanks submitted?	○	○	●	listed on COC ☐ not listed on COC ■	

27. Comments:

I certify that I have completed sections 16-27 (dated initials). TR 9/21/17

This section only applies to samples where pH can be checked at Sample Receipt.

		Yes	No	N/A	Details	Comments
28.	Have containers needing chemical preservation been checked? *	○	○	●		
29.	Containers meet preservation guidelines?	○	○	●		
30.	Was pH adjusted at Sample Receipt?	○	○	●		

* Note: Certain analyses require chemical preservation but must be checked in the laboratory and not upon Sample Receipt such as Coliforms, VOCs and Oil & Grease/TPH.

I certify that I have completed sections 28-30 (dated initials). TR 9/21/17

Locked

Client: Sailors Engineering Associates
Project Name: 172-094
Workorder: 1709H66

ANALYTICAL QC SUMMARY REPORT

BatchID: 248760

Sample ID: **MB-248760** Client ID: Units: **ug/Kg** Prep Date: **09/22/2017** Run No: **352683**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **248760** Analysis Date: **09/22/2017** Seq No: **7758243**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	50									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	100									
Benzene	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	10									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Sailors Engineering Associates
Project Name: 172-094
Workorder: 1709H66

ANALYTICAL QC SUMMARY REPORT

BatchID: 248760

Sample ID: **MB-248760** Client ID: Units: **ug/Kg** Prep Date: **09/22/2017** Run No: **352683**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **248760** Analysis Date: **09/22/2017** Seq No: **7758243**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	20									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	10									
Surr: 4-Bromofluorobenzene	42.50	0	50.00		85.0	63	125				
Surr: Dibromofluoromethane	46.39	0	50.00		92.8	69.9	123				
Surr: Toluene-d8	47.76	0	50.00		95.5	70	122				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Sailors Engineering Associates
Project Name: 172-094
Workorder: 1709H66

ANALYTICAL QC SUMMARY REPORT

BatchID: 248760

Sample ID: **LCS-248760** Client ID: Units: **ug/Kg** Prep Date: **09/22/2017** Run No: **352683**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **248760** Analysis Date: **09/22/2017** Seq No: **7758240**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	38.76	5.0	50.00		77.5	62	142				
Benzene	47.13	5.0	50.00		94.3	70.2	131				
Chlorobenzene	45.78	5.0	50.00		91.6	72.9	129				
Toluene	47.81	5.0	50.00		95.6	70.6	131				
Trichloroethene	46.07	5.0	50.00		92.1	70.1	136				
Surr: 4-Bromofluorobenzene	45.47	0	50.00		90.9	63	125				
Surr: Dibromofluoromethane	44.30	0	50.00		88.6	69.9	123				
Surr: Toluene-d8	47.38	0	50.00		94.8	70	122				

Sample ID: **1709I88-001AMS** Client ID: Units: **mg/Kg-dry** Prep Date: **09/22/2017** Run No: **352683**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **248760** Analysis Date: **09/22/2017** Seq No: **7758241**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	0.04584	0.0055	0.0546		83.9	55	143				
Benzene	0.05242	0.0055	0.0546		95.9	68.5	128				
Chlorobenzene	0.05145	0.0055	0.0546		94.1	67.7	126				
Toluene	0.05420	0.0055	0.0546		99.2	66.9	128				
Trichloroethene	0.05314	0.0055	0.0546		97.2	60.7	133				
Surr: 4-Bromofluorobenzene	0.04691	0	0.0546		85.8	63	125				
Surr: Dibromofluoromethane	0.04949	0	0.0546		90.6	69.9	123				
Surr: Toluene-d8	0.05228	0	0.0546		95.7	70	122				

Sample ID: **1709I88-001AMSD** Client ID: Units: **mg/Kg-dry** Prep Date: **09/22/2017** Run No: **352683**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **248760** Analysis Date: **09/22/2017** Seq No: **7758242**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	0.04446	0.0055	0.0546		81.4	55	143	0.04584	3.05	19.3	
Benzene	0.05187	0.0055	0.0546		94.9	68.5	128	0.05242	1.05	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Sailors Engineering Associates
Project Name: 172-094
Workorder: 1709H66

ANALYTICAL QC SUMMARY REPORT

BatchID: 248760

Sample ID: **1709I88-001AMSD** Client ID:
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B**
Units: **mg/Kg-dry** Prep Date: **09/22/2017** Run No: **352683**
BatchID: **248760** Analysis Date: **09/22/2017** Seq No: **7758242**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	0.05020	0.0055	0.0546		91.9	67.7	126	0.05145	2.45	20	
Toluene	0.05372	0.0055	0.0546		98.3	66.9	128	0.05420	0.891	20	
Trichloroethene	0.05104	0.0055	0.0546		93.4	60.7	133	0.05314	4.03	20	
Surr: 4-Bromofluorobenzene	0.04769	0	0.0546		87.3	63	125	0.04691	0	0	
Surr: Dibromofluoromethane	0.04972	0	0.0546		91.0	69.9	123	0.04949	0	0	
Surr: Toluene-d8	0.05244	0	0.0546		96.0	70	122	0.05228	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Sailors Engineering Associates
Project Name: 172-094
Workorder: 1709H66

ANALYTICAL QC SUMMARY REPORT

BatchID: 248854

Sample ID: **MB-248854** Client ID: Units: **ug/Kg** Prep Date: **09/25/2017** Run No: **352841**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **248854** Analysis Date: **09/25/2017** Seq No: **7760826**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	250									
1,1,2,2-Tetrachloroethane	BRL	250									
1,1,2-Trichloroethane	BRL	250									
1,1-Dichloroethane	BRL	250									
1,1-Dichloroethene	BRL	250									
1,2,4-Trichlorobenzene	BRL	250									
1,2-Dibromo-3-chloropropane	BRL	250									
1,2-Dibromoethane	BRL	250									
1,2-Dichlorobenzene	BRL	250									
1,2-Dichloroethane	BRL	250									
1,2-Dichloropropane	BRL	250									
1,3-Dichlorobenzene	BRL	250									
1,4-Dichlorobenzene	BRL	250									
2-Butanone	BRL	2500									
2-Hexanone	BRL	500									
4-Methyl-2-pentanone	BRL	500									
Acetone	BRL	5000									
Benzene	BRL	250									
Bromodichloromethane	BRL	250									
Bromoform	BRL	250									
Bromomethane	BRL	250									
Carbon disulfide	BRL	500									
Carbon tetrachloride	BRL	250									
Chlorobenzene	BRL	250									
Chloroethane	BRL	500									
Chloroform	BRL	250									
Chloromethane	BRL	500									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Sailors Engineering Associates
Project Name: 172-094
Workorder: 1709H66

ANALYTICAL QC SUMMARY REPORT

BatchID: 248854

Sample ID: **MB-248854** Client ID: Units: **ug/Kg** Prep Date: **09/25/2017** Run No: **352841**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **248854** Analysis Date: **09/25/2017** Seq No: **7760826**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	250									
cis-1,3-Dichloropropene	BRL	250									
Cyclohexane	BRL	250									
Dibromochloromethane	BRL	250									
Dichlorodifluoromethane	BRL	500									
Ethylbenzene	BRL	250									
Freon-113	BRL	500									
Isopropylbenzene	BRL	250									
m,p-Xylene	BRL	250									
Methyl acetate	BRL	250									
Methyl tert-butyl ether	BRL	250									
Methylcyclohexane	BRL	250									
Methylene chloride	BRL	1000									
o-Xylene	BRL	250									
Styrene	BRL	250									
Tetrachloroethene	BRL	250									
Toluene	BRL	250									
trans-1,2-Dichloroethene	BRL	250									
trans-1,3-Dichloropropene	BRL	250									
Trichloroethene	BRL	250									
Trichlorofluoromethane	BRL	250									
Vinyl chloride	BRL	500									
Surr: 4-Bromofluorobenzene	2419	0	2500		96.8	63	125				
Surr: Dibromofluoromethane	2495	0	2500		99.8	69.9	123				
Surr: Toluene-d8	2516	0	2500		101	70	122				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Sailors Engineering Associates
Project Name: 172-094
Workorder: 1709H66

ANALYTICAL QC SUMMARY REPORT

BatchID: 248854

Sample ID: **LCS-248854** Client ID: Units: **ug/Kg** Prep Date: **09/25/2017** Run No: **352841**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **248854** Analysis Date: **09/25/2017** Seq No: **7760825**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	2133	250	2500		85.3	62	142				
Benzene	2332	250	2500		93.3	70.2	131				
Chlorobenzene	2270	250	2500		90.8	72.9	129				
Toluene	2313	250	2500		92.5	70.6	131				
Trichloroethene	2186	250	2500		87.5	70.1	136				
Surr: 4-Bromofluorobenzene	2374	0	2500		95.0	63	125				
Surr: Dibromofluoromethane	2459	0	2500		98.4	69.9	123				
Surr: Toluene-d8	2464	0	2500		98.5	70	122				

Sample ID: **1709H66-002AMS** Client ID: **HA-5@10'** Units: **mg/Kg-dry** Prep Date: **09/25/2017** Run No: **352841**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **248854** Analysis Date: **09/25/2017** Seq No: **7760862**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	2.635	0.24	2.435		108	55	143				
Benzene	2.518	0.24	2.435		103	68.5	128				
Chlorobenzene	2.396	0.24	2.435		98.4	67.7	126				
Toluene	2.534	0.24	2.435		104	66.9	128				
Trichloroethene	2.643	0.24	2.435	0.2007	100	60.7	133				
Surr: 4-Bromofluorobenzene	2.376	0	2.435		97.5	63	125				
Surr: Dibromofluoromethane	2.495	0	2.435		102	69.9	123				
Surr: Toluene-d8	2.418	0	2.435		99.3	70	122				

Sample ID: **1709H66-002AMSD** Client ID: **HA-5@10'** Units: **mg/Kg-dry** Prep Date: **09/25/2017** Run No: **352841**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **248854** Analysis Date: **09/25/2017** Seq No: **7760928**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	2.629	0.24	2.435		108	55	143	2.635	0.222	19.3	
Benzene	2.484	0.24	2.435		102	68.5	128	2.518	1.36	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Sailors Engineering Associates
Project Name: 172-094
Workorder: 1709H66

ANALYTICAL QC SUMMARY REPORT

BatchID: 248854

Sample ID: **1709H66-002AMSD** Client ID: **HA-5@10'** Units: **mg/Kg-dry** Prep Date: **09/25/2017** Run No: **352841**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **248854** Analysis Date: **09/25/2017** Seq No: **7760928**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	2.358	0.24	2.435		96.8	67.7	126	2.396	1.60	20	
Toluene	2.482	0.24	2.435		102	66.9	128	2.534	2.08	20	
Trichloroethene	2.672	0.24	2.435	0.2007	101	60.7	133	2.643	1.06	20	
Surr: 4-Bromofluorobenzene	2.331	0	2.435		95.7	63	125	2.376	0	0	
Surr: Dibromofluoromethane	2.476	0	2.435		102	69.9	123	2.495	0	0	
Surr: Toluene-d8	2.451	0	2.435		101	70	122	2.418	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Sailors Engineering Associates
Project Name: 172-094
Workorder: 1709H66

ANALYTICAL QC SUMMARY REPORT

BatchID: 249060

Sample ID: **MB-249060** Client ID: Units: **ug/L** Prep Date: **09/28/2017** Run No: **353127**
SampleType: **MBLK** TestCode: **SPLP (1312) VOLATILE ORGANICS SW1312/8260B** BatchID: **249060** Analysis Date: **09/28/2017** Seq No: **7767873**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloroethene, Total	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	50									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	50									
Benzene	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Sailors Engineering Associates
Project Name: 172-094
Workorder: 1709H66

ANALYTICAL QC SUMMARY REPORT

BatchID: 249060

Sample ID: **MB-249060** Client ID: Units: **ug/L** Prep Date: **09/28/2017** Run No: **353127**
SampleType: **MBLK** TestCode: **SPLP (1312) VOLATILE ORGANICS SW1312/8260B** BatchID: **249060** Analysis Date: **09/28/2017** Seq No: **7767873**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloromethane	BRL	10									
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	5.0									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	2.0									
Xylenes, Total	BRL	5.0									
Surr: 4-Bromofluorobenzene	42.73	0	50.00		85.5	68.3	122				
Surr: Dibromofluoromethane	49.49	0	50.00		99.0	70.1	125				
Surr: Toluene-d8	47.40	0	50.00		94.8	81.4	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Sailors Engineering Associates
Project Name: 172-094
Workorder: 1709H66

ANALYTICAL QC SUMMARY REPORT

BatchID: 249060

Sample ID: **LCS-249060**	Client ID:		Units: **ug/L**	Prep Date: **09/28/2017**	Run No: **353127**
SampleType: **LCS**	TestCode: **SPLP (1312) VOLATILE ORGANICS**	**SW1312/8260B**	BatchID: **249060**	Analysis Date: **09/28/2017**	Seq No: **7767872**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	45.92	5.0	50.00		91.8	58.8	139				
Benzene	44.57	5.0	50.00		89.1	75.4	127				
Chlorobenzene	46.55	5.0	50.00		93.1	77.9	122				
Toluene	45.93	5.0	50.00		91.9	77.4	121				
Trichloroethene	46.95	5.0	50.00		93.9	72.1	132				
Surr: 4-Bromofluorobenzene	42.37	0	50.00		84.7	68.3	122				
Surr: Dibromofluoromethane	51.54	0	50.00		103	70.1	125				
Surr: Toluene-d8	48.42	0	50.00		96.8	81.4	120				

Sample ID: **1709H66-001BMS**	Client ID: **HA-5@3'**		Units: **ug/L**	Prep Date: **09/28/2017**	Run No: **353127**
SampleType: **MS**	TestCode: **SPLP (1312) VOLATILE ORGANICS**	**SW1312/8260B**	BatchID: **249060**	Analysis Date: **09/28/2017**	Seq No: **7768161**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	50.34	5.0	50.00		101	61.9	137				
Benzene	47.42	5.0	50.00		94.8	71.8	130				
Chlorobenzene	48.22	5.0	50.00		96.4	72	125				
Toluene	49.64	5.0	50.00		99.3	70.3	130				
Trichloroethene	49.43	5.0	50.00		98.9	70.3	133				
Surr: 4-Bromofluorobenzene	43.58	0	50.00		87.2	68.3	122				
Surr: Dibromofluoromethane	50.97	0	50.00		102	70.1	125				
Surr: Toluene-d8	48.67	0	50.00		97.3	81.4	120				

Sample ID: **1709H66-001BMSD**	Client ID: **HA-5@3'**		Units: **ug/L**	Prep Date: **09/28/2017**	Run No: **353127**
SampleType: **MSD**	TestCode: **SPLP (1312) VOLATILE ORGANICS**	**SW1312/8260B**	BatchID: **249060**	Analysis Date: **09/28/2017**	Seq No: **7768231**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	50.94	5.0	50.00		102	61.9	137	50.34	1.18	21.8	
Benzene	47.33	5.0	50.00		94.7	71.8	130	47.42	0.190	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Sailors Engineering Associates
Project Name: 172-094
Workorder: 1709H66

ANALYTICAL QC SUMMARY REPORT

BatchID: 249060

Sample ID: **1709H66-001BMSD** Client ID: **HA-5@3'** Units: **ug/L** Prep Date: **09/28/2017** Run No: **353127**
SampleType: **MSD** TestCode: **SPLP (1312) VOLATILE ORGANICS SW1312/8260B** BatchID: **249060** Analysis Date: **09/28/2017** Seq No: **7768231**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	49.59	5.0	50.00		99.2	72	125	48.22	2.80	20	
Toluene	49.23	5.0	50.00		98.5	70.3	130	49.64	0.829	14.9	
Trichloroethene	49.61	5.0	50.00		99.2	70.3	133	49.43	0.363	18	
Surr: 4-Bromofluorobenzene	42.38	0	50.00		84.8	68.3	122	43.58	0	0	
Surr: Dibromofluoromethane	51.61	0	50.00		103	70.1	125	50.97	0	0	
Surr: Toluene-d8	47.44	0	50.00		94.9	81.4	120	48.67	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Appendix 7: Soil Disposal Manifests

012011141JJK

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
GAD 981 220 353	1	(706) 577-9702	012011141 JJK

5. Generator's Name and Mailing Address: IDEAL CLEANERS
224 GREENVILLE STREET
LAGRANGE, GA 30241

Generator's Site Address (if different than mailing address):
224 GREENVILLE STREET
LAGRANGE, GA 30241

Generator's Phone:

6. Transporter 1 Company Name: US Bulk Transport, Inc — U.S. EPA ID Number: PAD 987 347 515

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: MICHIGAN DISPOSAL WASTE TREATMENT Pl
49350 N I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: (800) 592-5489
U.S. EPA ID Number: MID 000 724 831

GENERATOR

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3077, Hazardous waste, solid, n.o.s. (TETRACHLOROETHYLENE), 9, PGIII, ERG #171	001	DT	17	T	U210 D039
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. C141049MDI / CONTAMINATED SOIL (TETRACHLOROETHYLENE)

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Tony D. Wright - KAM, INC. — Signature: [signature] — Month 3 Day 18 Year 14

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: William J Schaffner — Signature: [signature] — Month 3 Day 18 Year 14
Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
actual weight: [illegible] ton weight w/ kam environmental [illegible]
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H070			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: [handwritten name] — Signature: [signature] — Month 3 Day 19 Year 14

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR STATE (IF REQUIRED)

COD #2

CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 012011191JJK

have been properly disposed of in accordance with all local, state and federal regulations.

"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.

FACILITY NAME: *(Please check one)*

☒ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831)

☐ Wayne Disposal, Inc. (EPA I.D. # MID048090633)

ADDRESS: 49350 N. I-94 Service Drive
Belleville, Michigan 48111

PHONE NUMBER: 1-800-592-5489

FAX NUMBER: 1-800-593-5329

Authorized Signature: _____

Michigan Disposal, Inc.

Michigan Disposal Waste Treatment Plant

49350 North I-94 Service Drive, Belleville, Michigan 48111

Receipt

KAM INC
2723 MANCHESTER EXPRESSWAY
SUITE 9
COLUMBUS, GA 31904

Receipt ID: 527574
EQ Account #: 14028
Manifest / BOL: 012011141JJK
Transporter: US BULK
Date: 03/19/2014
Time In: 12:26 PM
Time Out: 8:44 PM

Line	Description Generator	Qty. Unit
1 - 1	C141048MDI - CONTAMINATED SOIL (TETRACHLOROETHYLENE)	21.560 TONS
	Hazardous Surcharge Ton	21.560 TONS
	GAD981220353 IDEAL CLEANERS	
	Gross: 75,460 **Tare:** 32,340 **Net:** 43,120	
2	C141048MDI-TONS Additional charge due to load minimum	0.440 TONS
	GAD981220353 IDEAL CLEANERS	
	Gross: 75,460 **Tare:** 32,340 **Net:** 43,120	

NO SALVAGING ON PREMISES

Invoice: 60611 Receipt 02-00 527591 Manifest 012011142JJK

U.S. Buck Trk # 182

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	GAD 981 220 353	1	(708) 577-9702	012011142 JJK

GENERATOR

5. Generator's Name and Mailing Address: IDEAL CLEANERS, 224 GREENVILLE STREET, LAGRANGE, GA 30241
Generator's Phone:

Generator's Site Address (if different than mailing address): 224 GREENVILLE STREET, LAGRANGE, GA 30241

6. Transporter 1 Company Name: US Bulk Transport, Inc — U.S. EPA ID Number: PAD 987 347 515

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: MICHIGAN DISPOSAL WASTE TREATMENT PI, 49350 N I-94 SERVICE DRIVE, BELLEVILLE, MI 48111 — U.S. EPA ID Number: MID 000 724 831
Facility's Phone: (800) 592-5489

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. NA3077, Hazardous waste, solid, n.o.s. (TETRACHLOROETHYLENE), 9, PGIII, ERG #171	001	DT	13	T	U210	D039	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. C141048MDI / CONTAMINATED SOIL (TETRACHLOROETHYLENE)

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Tony D. Wright KAMAN INC. — Signature: [signature] — Month 3 Day 10 Year 14

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Michael M. Gill — Signature: Michael M. Gill — Month 03 Day 18 Year 14

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H070			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Jessica Kuhlow — Signature: [signature] — Month 3 Day 19 Year 14

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO GENERATOR

6891518

Invoice: 60611

Receipt 02-00 527591

Cod COD #2

CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 6120111425JK

have been properly disposed of in accordance with all local, state and federal regulations.

"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.

FACILITY NAME: *(Please check one)*	☑ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831)	☐ Wayne Disposal, Inc. (EPA I.D. # MID048090633)
ADDRESS:	49350 N. I-94 Service Drive Belleville, Michigan 48111	
PHONE NUMBER:	1-800-592-5489	
FAX NUMBER:	1-800-593-5329	

Authorized Signature: _____

Michigan Disposal, Inc.

Michigan Disposal Waste Treatment Plant

49350 North I-94 Service Drive, Belleville, Michigan 48111

Receipt

KAM INC
2723 MANCHESTER EXPRESSWAY
SUITE 9
COLUMBUS, GA 31904

Receipt ID: 527591
EQ Account #: 14028
Manifest / BOL: 012011142JJK
Transporter: US BULK
Date: 03/19/2014
Time In: 3:00 PM
Time Out: 8:51 PM

Line	Description Generator	Qty. Unit
1 - 1	C141048MDI - CONTAMINATED SOIL (TETRACHLOROETHYLENE)	13.520 TONS
	Hazardous Surcharge Ton	13.520 TONS
	GAD981220353 IDEAL CLEANERS	
	Gross: 59,540 **Tare:** 32,500 **Net:** 27,040	
2	C141048MDI-TONS Additional charge due to load minimum	8.480 TONS
	GAD981220353 IDEAL CLEANERS	
	Gross: 59,540 **Tare:** 32,500 **Net:** 27,040	

NO SALVAGING ON PREMISES