Genesis Project, Inc.
ENVIRONMENTAL SERVICES

September 21, 2015

Mr. Charles D. Williams
Program Manager
Response and Remediation Program
Land Protection Branch
State of Georgia EPD
Martin Luther King Dr.
Suite 1054 East
Atlanta, GA 30334

SUBJECT: Voluntary Remediation Program
September 2015 Semi-Annual Progress Report
Former Vogue Cleaners, HSI #10394
4018 Washington Road, Martinez, Columbia County

Dear Mr. Williams:

Genesis Project, the consultant for AXA Equitable Life Insurance Company, has prepared the enclosed Semi-Annual Progress Report in fulfillment of the criteria set forth by the Voluntary Investigation and Remediation Program (VIRP) application approved on March 21, 2011. This progress report presents the activities performed since the submittal of the Voluntary Remediation Program – Revised Compliance Status Report (VRP-CSR) on April 28, 2015. Based on the VRP-CSR, it is anticipated that this will be the final semi-annual report that will be needed.

If you have any questions regarding this progress report, please do not hesitate to contact our office at (770) 319-7217.

Sincerely,
Genesis Project, Inc.

Mark D. Mitchell, PG
Principal

Cc: Preston McFarland, Quadrant
Douglas Cloud, KMCL

September 2015 Semi-Annual Progress Report

Former Vogue Cleaners
Columbia Square Shopping Center
Martinez, Columbia County, Georgia
HSI No. 10394

Submitted to:

Georgia Environmental Protection Division
Hazardous Sites Response Program
2 Martin Luther King Jr. Drive, Suite 1462
Atlanta, Georgia 30334

Prepared for:

The AXA Equitable Life Insurance Company

c/o Quadrant Real Estate Advisors
12735 Morris Road
Alpharetta, GA 30004

Prepared by

Genesis Project, Inc.
1258 Concord Road
Smyrna, Georgia 30080
(770) 319-7217

Genesis Project, Inc.

Table of Contents

TECHNICAL CERTIFICATION
1.0 INTRODUCTION 1
1.1 Background 1
2.0 WORK PERFORMED DURING THIS MONITORING PERIOD 2
2.2 Interim Corrective Action Measures 2
2.2.1 Enhanced Fluid Recovery 2
2.3 Groundwater Sampling 2
3.0 REPORTING PERIOD RESULTS 3
3.1 Groundwater Flow 3
3.2 Groundwater Sampling Results 3
3.3 Compliance with VRP Clean-Up Standards 3
3.4 Updated Three-Dimensional Conceptual Model 4
4.0 FUTURE SITE ACTIVITIES 5
4.1 Ongoing Groundwater Monitoring 5
4.2 Completion of the Uniform Environmental Covenant 5
5.0 MILESTONE SCHEDULE 6
6.0 SERVICE HOURS FOR THIS PERIOD 7
7.0 LIFE-CYCLE COST ESTIMATE 8

APPENDICES

APPENDIX I

Figure 1. Site Location Map
Figure 2 Potentiometric Surface Map for Shallow Wells,
Figure 3 Horizontal Groundwater Quality Map of PCE, TCE and cis-1,2 DCE results,
Figure 4 Trend of PCE Concentrations in MW-2R and MW-8R
Figure 5 Trend of TCE Concentrations in MW-2R and MW-8R
Figure 6 Trend of cis-1,2 DCE Concentrations in MW-2R and MW-8R

APPENDIX II

Table 1 Summary of Groundwater Elevations
Table 2 Summary of Groundwater Analytical Data

APPENDIX III
Voluntary Remediation Program
Summary of Additional Corrective Action Activity

APPENDIX IV
Groundwater Sample Logs

APPENDIX V
Laboratory Analytical Reports

APPENDIX VI
Milestone Schedule
Monthly Service Hours

SIGNED AND SEALED PE/PG CERTIFICATION:

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

Mark D Mitchell PG# 761
Printed Name and GA PE/PG Number

Sept. 21, 2015
Date

Signature and Stamp

1.0 INTRODUCTION

Genesis Project, Inc. has prepared this Semi-Annual Progress Report in fulfillment of the criteria set forth by the Voluntary Investigation and Remediation Program (VIRP) application approved on March 21, 2011. This progress report presents the activities performed since the submittal of the Voluntary Remediation Program – Revised Compliance Status Report (VRP-CSR) on April 28, 2015. Based on the VRP-CSR, it is anticipated that this will be the final semi-annual report that will be needed.

1.1 Background

The former Vogue Cleaners facility is located in the Columbia Square Shopping Center – Phase II in Martinez, Columbia County, Georgia (Figure 1). The site is currently listed on the Georgia Hazardous Site Inventory (HSI No.10394), pursuant to the Hazardous Site Response Act (HSRA) program administered by the Georgia Environmental Protection Division (GAEPD), due to a release of tetrachloroethene (PCE) along with its associated degradation products (constituents of concern [COCs]). Several investigations were conducted and a HSRA Compliance Status Report was submitted to GAEPD in April 1999.

The AXA Equitable Life Insurance Company (formerly known as The Equitable Life Assurance Society of the United States) sold the Property on September 14, 2001, retaining the right of access and with express permission for performance of corrective action.

In February 2007, Genesis Project Inc. submitted to GAEPD a Corrective Action Plan Addendum, which presented the results of a pilot test and recommended the use of ART technology as an appropriate remedial alternative. The approved ART remediation technology was fully implemented in October 2007.

On March 21, 2011, the GAEPD approved an application for this Property to enter into the Voluntary Remediation Program (VRP). Upon acceptance into the program, additional investigation and remediation activities were conducted at the Property until it was determined that conditions met the exposure scenarios and site-specific cleanup standards developed for the Property.

On April 28, 2015, a VRP-CSR was submitted to GAEPD in order to fulfill the requirements of the VIRP. This submittal included a response to comments to the initial VRP-CSR submitted in December 2013.

2.0 WORK PERFORMED DURING THIS MONITORING PERIOD

Several activities were completed during this period. These activities included:

1) Completion of remediation activities presented in the April 2015 VRP-CSR; and
2) Completion of groundwater sampling as presented in the April 2015 VRP-CSR.

2.2 Interim Corrective Action Measures

As presented in the VRP-CSR, interim corrective measures were conducted at the site. These activities consisted of the completion of an enhanced fluid recovery event.

2.2.1 Enhanced Fluid Recovery

On June 11-12, 2015 an Enhanced Fluid Recovery (EFR) event was conducted on monitor well MW-8R. The event extracted a total of 5,525 gallons of impacted groundwater, with an equivalent of **0.119 gallons** of chlorinated compounds removed from the well. A confirmation sample was collected on June 12, 2015 to determine if the event had addressed the impacted groundwater onsite. The samples were submitted to AES for analysis of total VOCs. The results of the laboratory analysis showed a groundwater concentration of PCE of 350ug/L. The details of the event were submitted to EPD in a June 30, 2015 letter and presented in Appendix III.

2.3 Groundwater Sampling

On June 30, 2015 depth-to-water and dissolved oxygen content measurements were recorded from select monitor wells (POD-1, MW-2R, MW-5 and MW-8R). Following these activities, groundwater samples were collected from designated wells utilizing low-flow sampling techniques. Low-flow sampling techniques are utilized in order to minimize the loss of volatile components during the groundwater sample collection. In accordance with the USEPA, Region IV, Science and Ecosystem Support Division standard operating procedure dated November 1, 2007, water quality parameters such as pH, conductivity, temperature, dissolved oxygen and groundwater drawdown rate are evaluated during purging to ensure groundwater samples are representative of formational groundwater. Stabilization criterion is based on dissolved oxygen (DO) concentrations as well as three successive readings ranging within +/- 0.10 for pH, +/- 0.30 (S/cm) conductivity, and < 10 ntu for turbidity. Once the parameters have stabilized, the groundwater sample is collected within the laboratory provided containers and placed in an ice-filled cooler and submitted to Analytical Environmental Services, AES for VOCs analysis via EPA method 8260B. The groundwater sampling logs for this sampling event are presented in Appendix IV.

3.0 REPORTING PERIOD RESULTS

3.1 Groundwater Flow

The potentiometric surface on June 2015 is presented on Figure 2. In general, there was little change in the potentiometric surface between the January and June sampling events, with the exception of monitor well MW-5. At this location, the groundwater elevation rose ~0.26 feet between these events, which is an anomaly at this site since little change in water level was observed in the other site monitor wells.

This increase at MW-5 is likely due to apparent over excavation activities that had taken place at the Columbia Car Care Center. A large area of asphalt and/or concrete had been removed, leaving a large area of uncovered fill material. This lack of an impervious surface is likely serving as a large recharge area for rainwater to the shallow water table. This feature would result in the localized mounding of the water table in the vicinity of MW-5. The depth to water readings are presented in Table 1.

3.2 Groundwater Sampling Results

Groundwater analytical results revealed COCs above laboratory reporting limits during the June 2015 sampling events in monitor wells MW-8R, MW-5, and MW-2R (Figure 3).

However, as with the January 2015 sampling event, the results show that impacts to groundwater in the former source area have continued to drop over the past 12 months. A summary of recent and historic groundwater analytical results is provided in Table 2. The laboratory analytical reports are presented Appendix V.

3.3 Compliance with VRP Clean-Up Standards

As presented in the April 28, 2015 VRP-CSR, on-site soil and soil vapor are in compliance with the calculated VRP Cleanup Standards. On-site groundwater will be in compliance with the VRP Clean-up Standards once the Uniform Environmental Covenant for the property has been executed.

Since the concentration of COCs at the point of demonstration (POD-1) is below the laboratory-reporting limit, off-site groundwater is also in compliance with the VRP. Detailed presentations of these acceptable risk criteria for off-site groundwater are found in the April 28, 2015 VRP- CSR.

3.4 Updated Three-Dimensional Conceptual Model

As per the requirements of the VIRP, a conceptual site model (CSM) is updated on a semi-annual basis using all available data until the completion of the VRP-CSR. A CSM describes the criteria necessary to have a completed exposure pathway including 1) contaminant sources, 2) release and transport mechanisms, 3) receiving media, 4) exposure media, 5) exposure routes and 6) potentially exposed populations. The final three-dimensional CSM is presented in the April 2015 VRP-CSR.

4.0 FUTURE SITE ACTIVITIES

The following activities will be completed at the site during the upcoming reporting period.

4.1 Ongoing Groundwater Monitoring

Sampling of select monitoring wells MW-2R, MW-5, MW-8R, and POD-1 is planned for December 2015 as per the April 2015 VRP-CSR and results will be reported to GAEPD.

4.2 Completion of the Uniform Environmental Covenant

A Uniform Environmental Covenant (UEC) is in process of being finalized with EPD for the affected property. The covenant includes, among other provisions, the following restrictions:

- The use or extraction of groundwater beneath the property for drinking water or for any other non-remedial purposes shall be prohibited;
- The property shall be used only for non-residential uses;
- Prior to conducting any subsurface excavation into the area of the impacted groundwater as delineated in the VRP CSR, the party intending to engage in such excavation shall contact EPD and follow such instructions as EPD may provide for appropriate protective measures to be employed in such excavation.

Under the terms of the UEC, within thirty days after the date of the Director's signature, the Property owner shall file the UEC with the Columbia County Clerk of Superior Court. The UEC constitutes an institutional control to eliminate potential on-site exposure pathway to groundwater and comply with the VRP Cleanup Standards.

5.0 MILESTONE SCHEDULE

A milestone schedule is included in Appendix VI.

6.0 SERVICE HOURS FOR THIS PERIOD

78.5 professional service hours have been completed by Genesis Project, Inc. from April 28, 2015 to August 31, 2015. The professional services hours were for each of the items is presented in Appendix VI.

7.0 LIFE-CYCLE COST ESTIMATE

The life cycle cost estimate is based on the anticipated activities necessary to finalize corrective action at this site. These activities will include:

1. Sampling of select monitoring wells MW-2R, MW-5, MW-8R, and POD-1 is planned for December 2015 as per the April 2015 CSR.

2. System decommission and monitor well abandonment

Based on these activities the remaining estimated life cycle cost for this site is **$36,000**.

APPENDIX I
Figures

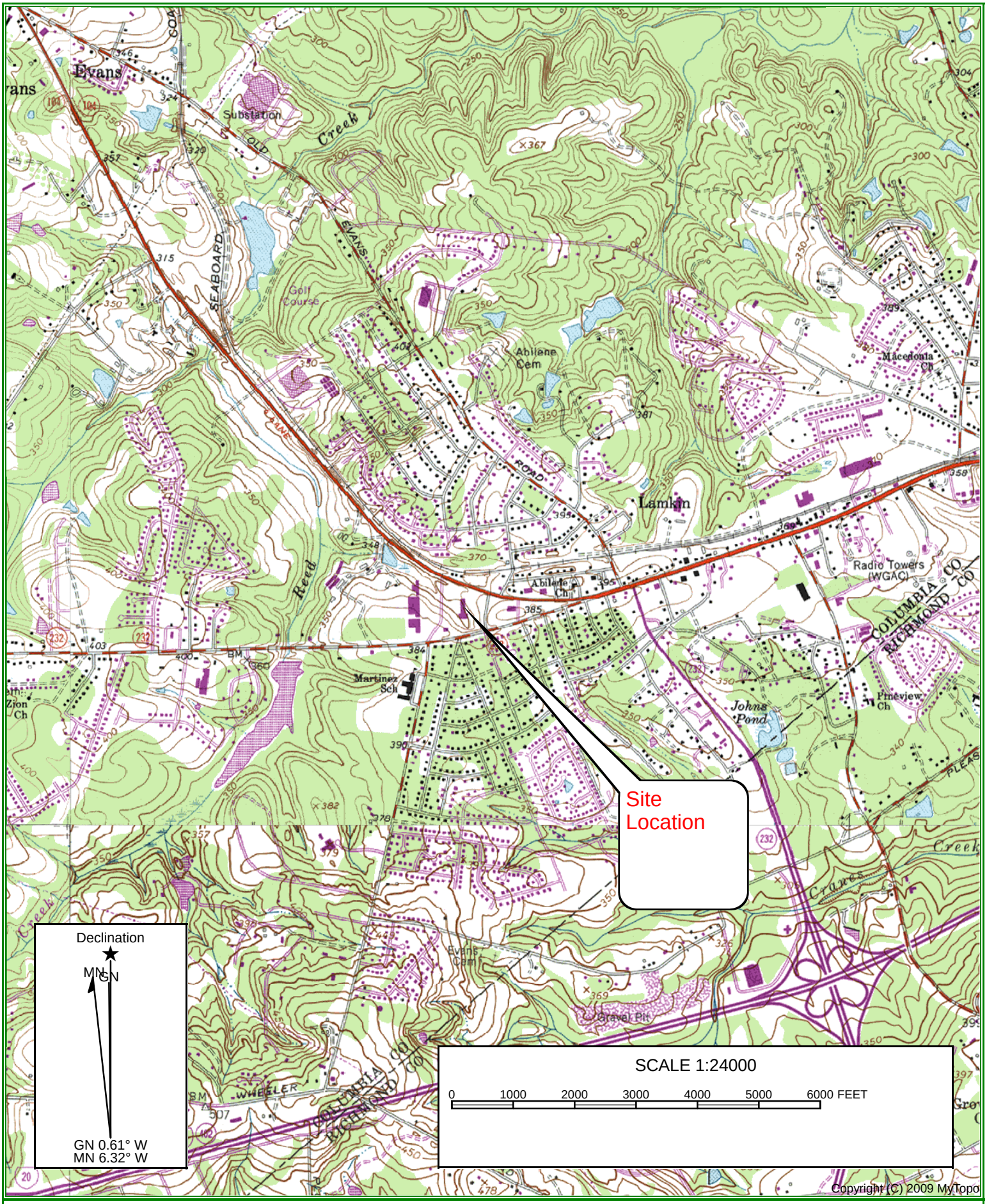


Figure 1: Site Location Map
Former Vogue Cleaners
Martinez, Georgia

Map: MARTINEZ QUAD

Copyright (C) 2009 MyTopo

Datum: NAD27

MONTEREY MEXICAN RESTAURANT BUILDING

PARCEL 079088

END OF CURB

350.5

MW-6
350.48

PARCEL 079133

MW-7
350.52

PARCEL 079087

POD-1
350.48

MW-12D
NA

MW-5
350.78

SYSTEM ENCLOSURE

350.6

MW-8D*
350.25

MW-13
NA

350.7

FORMER VOGUE CLEANERS

MW-22
350.55

MW-2R
350.73

MW-8R
350.59

MW-4
350.82

MW-1
351.51

RETENTION WALL

PROPERTY LINE

COLUMBIA SQUARE SHOPPING CENTER

SAFELITE AUTO GLAS
AND DUNLOP TIRES
(COLUMBIA CAR CARE

LEGEND

PROPERTY LINE

EXISTING MONITOR WELL LOCATION

MW-1 WELL ID

351.45 GROUNDWATER ELEVATION

POTENTIOMETRIC CONTOUR

GROUNDWATER FLOW DIRECTION

*NOTE – Not used in calculating potentiometric surface

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
0	--	--	--	WFM	MDM	MDM

SCALE 0 25 scale feet

Potentiometric Surface Map June 30, 2015
Vogue Cleaners
Martinez, Georgia

Genesis Project, Inc.
ENVIRONMENTAL SERVICES.
Smyrna, GA

PROJECT No.	--	FILE No.	--
DESIGN	WFM 8/14/15	SCALE AS SHOWN	REV. 0
CADD	WFM 8/14/15		
CHECK	MDM 8/14/15		
REVIEW	MDM 8/14/15		

Figure 2

MONTEREY MEXICAN RESTAURANT BUILDING

PARCEL 079088

END OF CURB

MW-6
NS

PARCEL 079133

MW-7
NS

PARCEL 079087

POD-1
<5
<5
<5

MW-5
160
<5
<5

MW-12D
NS

SYSTEM ENCLOSURE

MW-8D
NS

MW-13
NS

MW-22
NS

FORMER VOGUE CLEANERS

MW-2R
180
34
65

MW-8R
6,500
1,400
960

MW-4
NS

MW-1
NS

RETENTION WALL

PROPERTY LINE

COLUMBIA SQUARE SHOPPING CENTER

SAFELITE AUTO GLAS
AND DUNLOP TIRES
(COLUMBIA CAR CARE

LEGEND

PROPERTY LINE

EXISTING MONITOR WELL LOCATION

MW-1 WELL ID
<5 PCE RESULT (ug/L)
<5 TCE RESULT (ug/L)
<5 cis-1,2-DCE RESULT (ug/L)

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
0	--	WFM	--	WFM	MDM	MDM

SCALE 0 25 scale feet

Groundwater Analytical Map June 30, 2015
Vogue Cleaners
Martinez, Georgia

Genesis Project, Inc.
ENVIRONMENTAL SERVICES.
Smyrna, GA

PROJECT No.	--	FILE No.	--
DESIGN	WFM 8/14/15	SCALE AS SHOWN	REV. 0
CADD	WFM 8/14/15		
CHECK	MDM 8/14/15		
REVIEW	MDM 8/14/15		

Figure 3

Figure 4: Trend of PCE Concentration MW-2R AND MW-8R

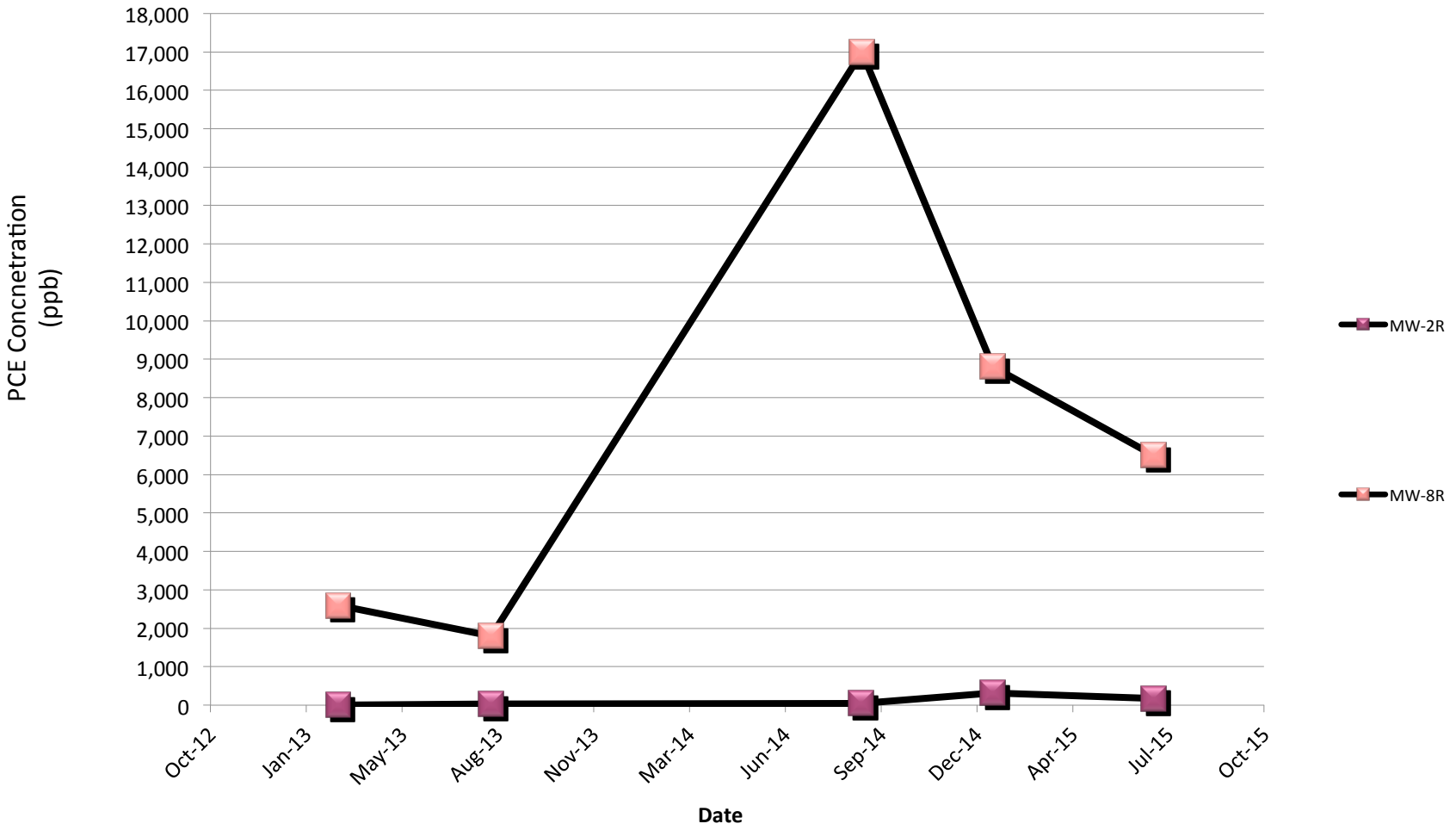


Figure 5: Trend in Dissolved TCE - MW-2R and MW-8R

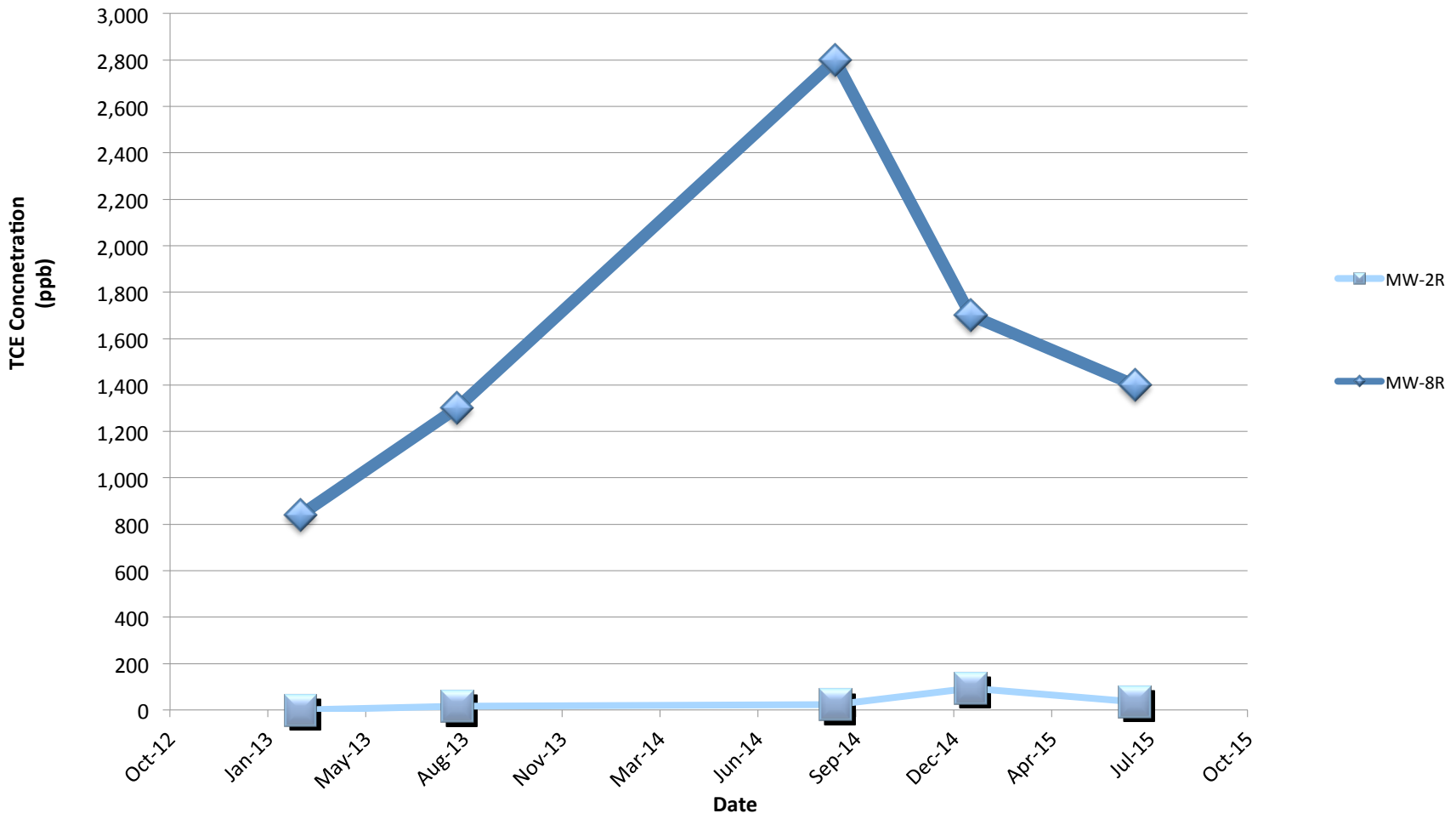
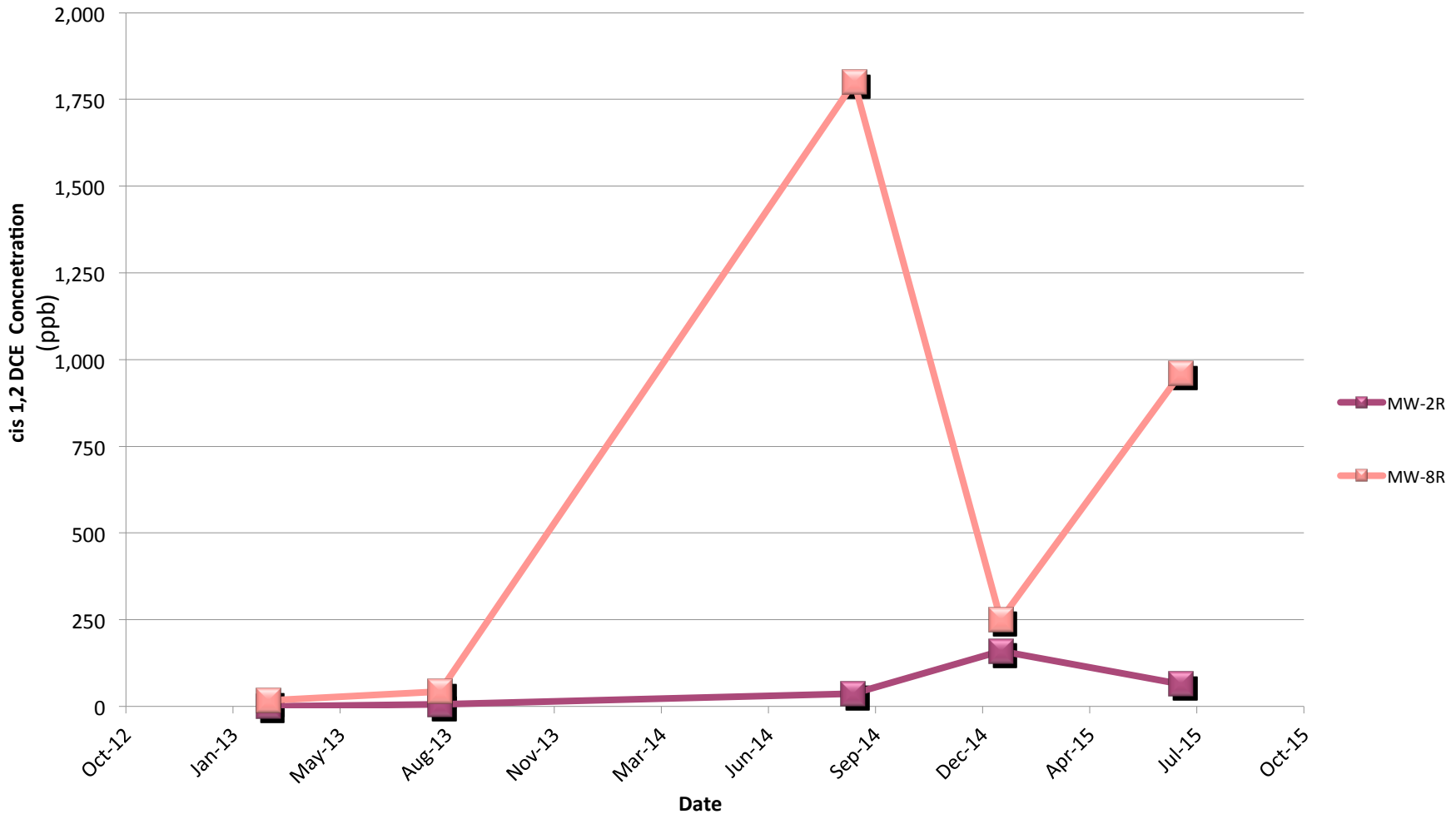


Figure 6: Trend of cis 1,2 DCE Concentration - MW-2R and MW-8R



APPENDIX II
Tables

Table 1.
Summary of Groundwater Elevations
Vogue Cleaners
Martinez, Georgia

Sample ID	Sample Date	Top of Casing Elevation	Depth to Water (feet bls)	Corrected Groundwater Elevation
MW-1	08/15/12	363.61	5.53	358.08
	02/26/13		5.49	358.12
	08/07/13	356.91	5.21	351.70
	08/28/14		5.36	351.55
	01/13/15		5.46	351.45
	06/30/15		5.40	351.51
MW-2R	02/26/12	363.50	5.67	357.83
	08/08/13	356.39	5.63	350.76
	08/28/14		5.63	350.76
	01/13/15		5.64	350.75
	06/30/15		5.66	350.73
MW-4	08/15/12	362.89	5.04	357.85
	02/26/13		5.00	357.89
	08/07/13	355.74	4.90	350.84
	08/28/14		4.95	350.79
	01/13/15		5.00	350.74
	06/30/15		4.92	350.82
MW-5	08/15/12	362.89	5.82	357.55
	02/26/13		5.77	357.60
	08/07/13	356.26	5.71	350.55
	08/28/14		5.69	350.57
	01/13/15		5.74	350.52
	06/30/15		5.48	350.78
MW-6	02/22/12	363.71	6.08	357.63
	08/15/12		6.07	357.64
	02/26/13		6.00	357.71
	08/07/13	356.53	5.86	350.67
	08/28/14		6.01	350.52
	01/13/15		6.02	350.51
	06/30/15		6.05	350.48
MW-7	08/15/12	364.43	5.76	358.67
	02/26/13		5.72	358.71
	08/07/13	356.26	5.64	350.62
	08/28/14		5.73	350.53
	01/13/15		5.74	350.52
	06/30/15		5.74	350.52
MW-8R	02/26/13	363.1	6.52	356.58
	08/08/13	360.93	5.87	355.06
	08/28/14		10.22	350.71
	01/13/15		10.31	350.62
	06/30/15		10.34	350.59
MW-8D	08/15/12	363.9	6.23	357.67
	02/26/13		6.52	357.38
	08/08/13	356.75	5.87	350.88
	08/28/14		6.01	350.74
	01/13/15		5.93	350.82
	06/30/15		6.50	350.25
MW-12D	08/15/12	363.58	10.18	353.40
	02/26/13		0.15	363.43
	08/07/13	356.45	14.50	341.95
	08/28/14		NA	NA
	01/13/15		NA	NA
	06/30/15		NA	NA
MW-13	08/15/12	363.99	6.16	357.83
	02/26/13		5.91	358.08
	08/08/13	356.99	5.97	351.02
	08/28/14		6.61	350.38
	01/13/15		6.05	350.94
	06/30/15		NA	NA
MW-22	08/15/12	363.1	5.55	357.55
	02/26/13		5.50	357.60
	08/07/13	356.05	5.41	350.64
	08/28/14		5.41	350.64
	01/13/15		5.50	350.55
	06/30/15		5.50	350.55
POD-1	08/15/12	362.86	5.59	357.27
	02/26/13		5.60	357.26
	08/07/14	356.06	5.45	350.61
	08/28/14		5.54	350.52
	01/13/15		5.55	350.51
	06/30/15		5.58	350.48

Notes:
NA Not Accessible
ft bls: Feet Below Land Surface

Table 2.
Summary of Groundwater Analytical Results
Vogue Cleaners
Martinez, Georgia

Sample ID	Sample Date	Screened Interval (ft bls)	VOCs (ug/L) cis-1,2-DCE	PCE	TCE
MW-2R	02/28/13	2.00-22.05	<5	<5	<5
	08/07/13	2.00-22.05	5	25	16
	08/28/14	2.00-22.05	36	49	22
	01/13/15	2.00-22.05	160	320	93
	03/05/15	2.00-22.05	19	85	12
	06/30/15	2.00-22.05	65	180	34
MW-5	08/15/12	3.08 - 13.08	< 5	< 5	< 5
	02/27/13	3.08 - 13.08	< 5	< 5	< 5
	08/07/13	3.08 - 13.08	9	820	180
	08/28/14	3.08 - 13.08	< 5	110	< 5
	01/13/15	3.08 - 13.08	< 5	96	< 5
	03/05/15	3.08 - 13.08	N/S	N/S	N/S
	06/30/15	3.08 - 13.08	< 5	160	< 5
MW-8R	02/28/13	2.00-19.05	17	2,600	840
	08/07/13	2.00-19.05	43	1,800	1,300
	08/23/13	2.00-19.05	< 5	16	< 5
	08/29/14	2.00-19.05	1,800	17,000	2,800
	09/30/14	2.00-19.05	73	1,000	340
	01/13/15	2.00-19.05	250	8,800	1,700
	03/05/15	2.00-19.05	430	8,700	1,700
	06/30/15	2.00-19.05	960	6,500	1,400
POD-1	08/15/12	3.1 - 13.1	< 5	12	< 5
	10/29/12	3.1 - 13.1	< 5	6	< 5
	02/27/13	3.1 - 13.1	< 5	< 5	< 5
	08/07/13	3.1 - 13.1	< 5	< 5	< 5
	08/28/14	3.1 - 13.1	< 5	< 5	< 5
	01/13/15	3.1 - 13.1	< 5	< 5	< 5
	03/05/15	3.1 - 13.1	N/S	N/S	N/S
	06/30/15	3.1 - 13.1	< 5	< 5	< 5

Notes:

VOCs	Volatile Organic Compounds
ug/L	micrograms per Liter
ft bls	feet below land surface
DCE	dichloroethene
PCE	tetrachloroethene
TCE	trichloroethene
<5	Below Laboratory Detection Limit

APPENDIX III

Voluntary Remediation Program
Summary of Additional Corrective Action Activity

Genesis Project, Inc.
ENVIRONMENTAL SERVICES

June 30, 2015

Mr. Charles D. Williams
Program Manager
Response and Remediation Program
Land Protection Branch
State of Georgia EPD
Martin Luther King Dr.
Suite 1054 East
Atlanta, GA 30334

SUBJECT: Voluntary Remediation Program
Summary of Additional Voluntary Corrective Action Activity
Former Vogue Cleaners, HSI #10394
4018 Washington Road, Martinez, Columbia County

Dear Mr. Williams:

As presented in the Voluntary Remediation Program Revised Compliance Status Report (April 28, 2015), Genesis Project has completed a 24-hour enhanced fluid recovery (EFR) event at the former Vogue Cleaners. The EFR event was completed on June 11-12, 2015 in monitor well MW-8R. The purpose of the event was to address constituents of concern that were de-sorbed during the in-situ chemical oxidation event completed in early 2015. A summary of the event is as follows:

- The event began at 9:30am/June 11, 2015 and termininated at 9:30am/June 12, 2015.
- A total of 5,525 gallons of groundwater was extracted from the subsurface;
- A total of 0.119 gallons of volatiles were removed during the event.

The EFR Summary Report is included in Attachment 1.

A groundwater sample was collected from monitor well MW-8R in order to evaluate groundwater quality in monitor well MW-8R after completion of the EFR event. The groundwater sample was collected, using low-flow groundwater sampling methodologies, after obtaining a sediment-free discharge. A summary of the results are presented in Table 1 below:

TABLE 1: MW-8R Groundwater Sampling Results

Constituent	Result (ug/L)	Source Area Concentration Criteria (ug/L)
Tetrachloroethene	350	700
Trichloroethene	23	100
Cis-1, 2-Dichloroethene	<5.0	1,300

The groundwater sampling log and the laboroartory report are presented in Attachment 2.

It should be noted that additional confirmation groundwater sampling, from select groundwater monitoring wells, will be completed as presented in the Revised Compliance Status Report.

If you have any questions regarding this summary letter, please do not hesitate to contact our office at (770) 319-7217.

Sincerely,
Genesis Project, Inc.

Mark D. Mitchell, PG
Principal

Cc: Preston McFarland, Quadrant
Douglas Cloud, KMCL

Attachment 1
EFR Event Summary Report

FRUITS
Associates, Inc

June 30, 2015

Mark Mitchell
Genesis Project, Inc.
1258 Concord Road
Smyrna, GA 30080name

Subject:
24.0 hour High-Vacuum Remediation Event #2
Former Vogue Cleaners
4020 Washington Road
Martinez, Georgia

Dear Mr. Mitchell:

Fruits & Associates, Inc. is pleased to provide this summary of the High-Vacuum Remediation event conducted on June 11th, 2015 at the above referenced facility. Below is a summary of both the technology as well as the results of the actual event.

Technology:

High-Vacuum Remediation (HVR) involves the extraction of subsurface vapors and liquids via a monitoring well or recovery well. This is accomplished by applying high levels of vacuum pressure to the extraction point. To eliminate mounding of the water table, a drop tube (commonly known as a stinger) is inserted in the well to the static water level depth. The applied vacuum and airflow extracted from the well is pulled through this drop tube. As the water table attempts to mound due to the application of vacuum, the liquids are "slurped" through this drop tube. This slurping effectively maintains the static conditions of the water table while the elevated vacuum is applied to the well during the event. In order to minimize any change to the current smear zone associated with the site, seasonal water level data is analyzed. Once the extraction process is underway, the inlet of the stinger assembly is slowly lowered to the maximum historical water level observed for each extraction well. This draw down (one to ten feet below the static water level) depresses the water table and creates a cone of influence, which maximizes the efficiency of the high vacuum process.

Occasionally, fresh air (5 to 25 CFM) is introduced at the well surface to increase the airflow and enhance the liquid removal rate. In order to accurately record the actual removal rate from the well, an airflow gauge is mounted on the well head to measure the amount of fresh air that is introduced. This extra fresh air is subtracted from the total flow calculated for each extraction well. Additionally, a set of two vacuum gauges are installed on the well head assembly; one on the stinger assembly (well head vacuum), and one on the well casing (influence vacuum). If fresh air is introduced at the well head, the influence vacuum reading will be artificially lower than the actual applied vacuum because the inlet for fresh air is adjacent to this vacuum gauge port. The setup and piping configuration are shown in Figure #1.

During the extraction process, the combined air and liquids are transferred to the mobile treatment system where the liquids are separated with a liquid scrubber / knockout system and discharged into a storage tank for future disposal. The halogenated vapors are transferred to the off-gas treatment system and are incinerated in a forced air Thermal Oxidation (ThOx) unit at 1500 degrees Fahrenheit. After thorough destruction of the contaminants in the air stream, the clean air is discharged into the atmosphere. A complete flow diagram of this process is shown in Figure #2.

Calculations:

During the HVR event, measurements are taken of both the influent and effluent flow rates, the concentrations of the vapors removed (before off-gas treatment), and the off-gas treatment system concentrations. These measurements are used to calculate the removal rates and the off-gas emission rates. The flow rates were measured using a Dwyer DS-300 Pitot tube attached to a differential pressure gauge. These flow rate measurements are reported in Actual Cubic Feet per Minute (ACFM). Before each event, these flow assemblies are calibrated to insure an accurate flow measurement. A separate flow rate is calculated for each influent well (if more than one well is connected), as well as for any additional fresh air that is introduced into the influent stream. These individual flow rates are combined to achieve the total flow and velocity derived from the extraction points. Because of the extremely high concentrations involved with a High Vacuum event, additional quench air (0 to 2,000 SCFM) is added to the vapor stream, just before entering the ThOx unit. An additional Pitot tube assembly is installed at the inlet of the ThOx unit and is used to measure the total flow. Combined with the off-gas concentration readings, this total flow rate is used to calculate the destruction efficiency of the system.

The concentration measurements are taken using a TVA-1000A FID instrument calibrated to methane. For comparison purposes, the removal rates are calculated in total carbon, as well as total halogenated compounds. This FID instrument has a dynamic range of 0-50,000 PPM as methane. Our concentration samples are collected before any additional bleed or quench air is added to the extracted flow rate. These undiluted concentration measurements exceed the dynamic range of any FID instrument. In order to accurately record the high concentrations observed during a HVR event, a calibrated 10:1 dilution valve is used to cut the sample. This dilution valve, along with the FID instrument, is calibrated before the start of each event.

In order to eliminate the naturally occurring methane that is present during a typical HVR event, each concentration sample is measured twice. The first sample is collected directly from the system, and recorded as the total VOC concentration. The second sample is collected using an in-line activated carbon filter, which adsorbs the halogenated compounds leaving only methane present in the sample measured. This methane only result is then subtracted from the total VOC concentration measurement (first sample), resulting in a Non Methane Organic Compound (NMOC) concentration. This NMOC concentration is used in the mass removal calculations. However, as with any FID instrument, the NMOC results are recorded as parts per million by volume (PPM_v) as if the concentrations were methane. A conversion from the NMOC results to a halogenated solvent, and from a volume to a weight is necessary to calculate an accurate mass removal rate. Using the NMOC concentration results and the TVA-1000's factory certified response ratio (0.940) for Trichloroethane (TCE) (1.062) for Tetrachloroethylene (PCE), the NMOC results are converted to an equivalent halogenated result. Summaries of these calculations are shown in figure #3.

Results:

Once static water levels were established (well locations are shown in figure #4), the system was connected to MW-8R. At the extraction point a stinger was located at the static fluid level, and once the ThOx unit's normal operating temperature was reached, the inlet flow valve was opened for this well. Once the extraction process was underway, the stinger assembly was lowered into the static fluid level approximately 1.0 to 2.0 feet, creating a cone of influence.

During the 24.0 hour HVR event, the average ACFM was calculated at 31.87 for MW-8R, with an additional 5.00 ACFM recorded at the fresh air breather port. The fresh air breather port is used during an event to enhance the volatilization and fluid recovery rates from the monitoring wells. A summary of the recovered flow rates is shown in figure # 5. The combined total airflow from the extraction well and breather port averaged 36.87 ACFM.

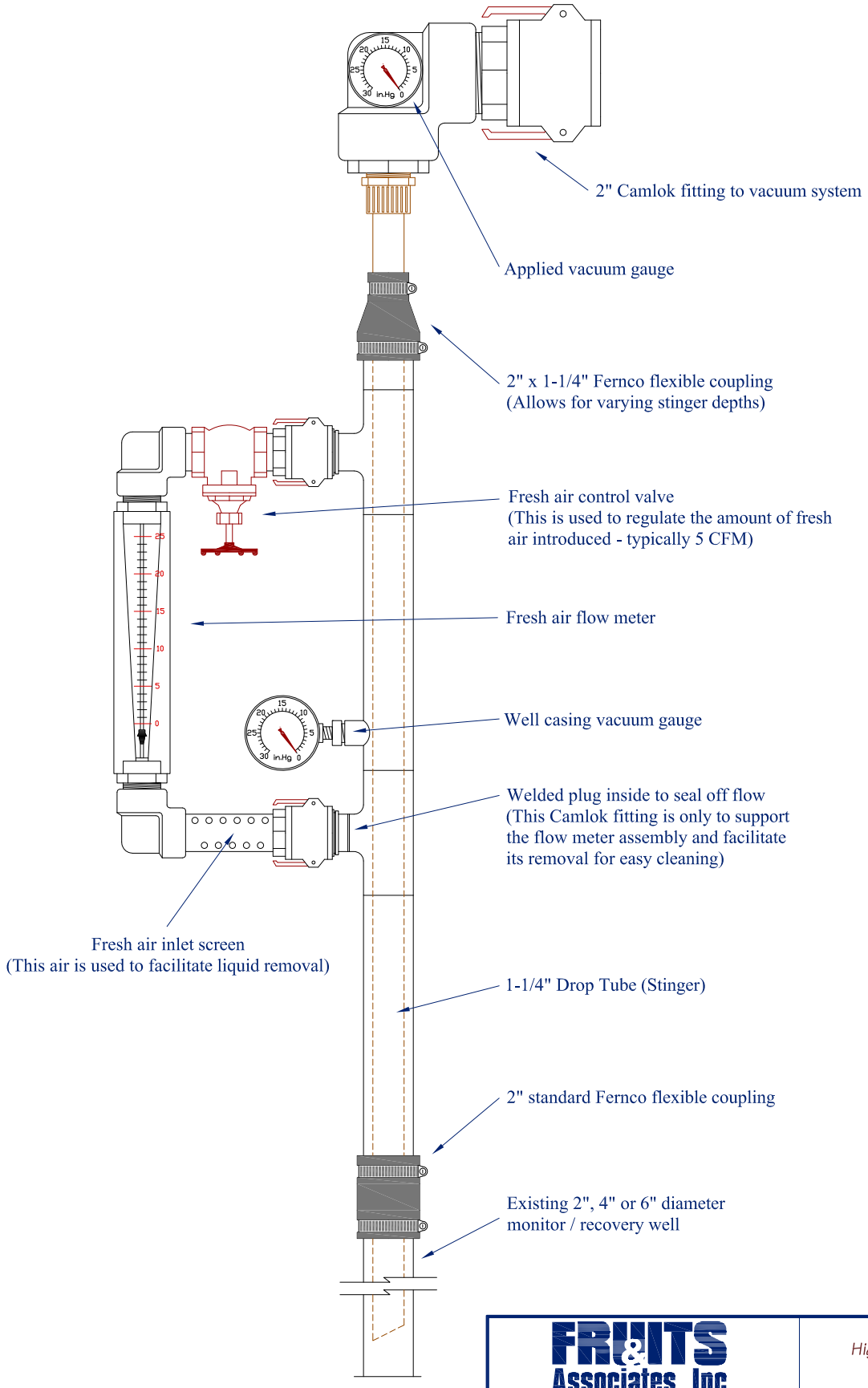
Throughout the event, air concentration measurements were recorded periodically from both the influent and effluent sample ports. The concentration results were entered into the HVR field monitoring log (Attachment A) and during the event, 0.12 pounds of carbon was removed (1.60 pounds of halogenated solvent, 0.119 equivalent gallons of Trichloroethane Tetrachloroethylene). A summary of the total equivalent halogenated recovery rate is shown in figure #6. The total off-gas discharge (to the atmosphere) was 0.030208611 pounds of carbon (0.386390997 pounds of halogenated solvent), thus yielding a 57.86% destruction rate for the ThOx unit. Induced vacuum readings (in inches of water column) were recorded during this event (See Attachment A for Results).

Once the HVR event was complete, a second round of water level measurements was recorded in which the results are showed in Attachment A. During the event, 5,525 gallons of halogenated contact water (HCW) was removed and collected in a holding tank on the system and once the event was complete, was processed thru a 24" diameter portable air stripping tower. The vapors from the air stripping process were redirected back thru the ThOx unit for complete destruction. The filtered water was then transferred to Aqua-Terra Recycling and Treatment located in Oxford, Georgia for disposal. Fruits and Associates provided transportation of the HCW. Copies of the manifested waste transportation and disposal tickets are included in Attachment B.

Sincerely,

Fruits & Associates, Inc.

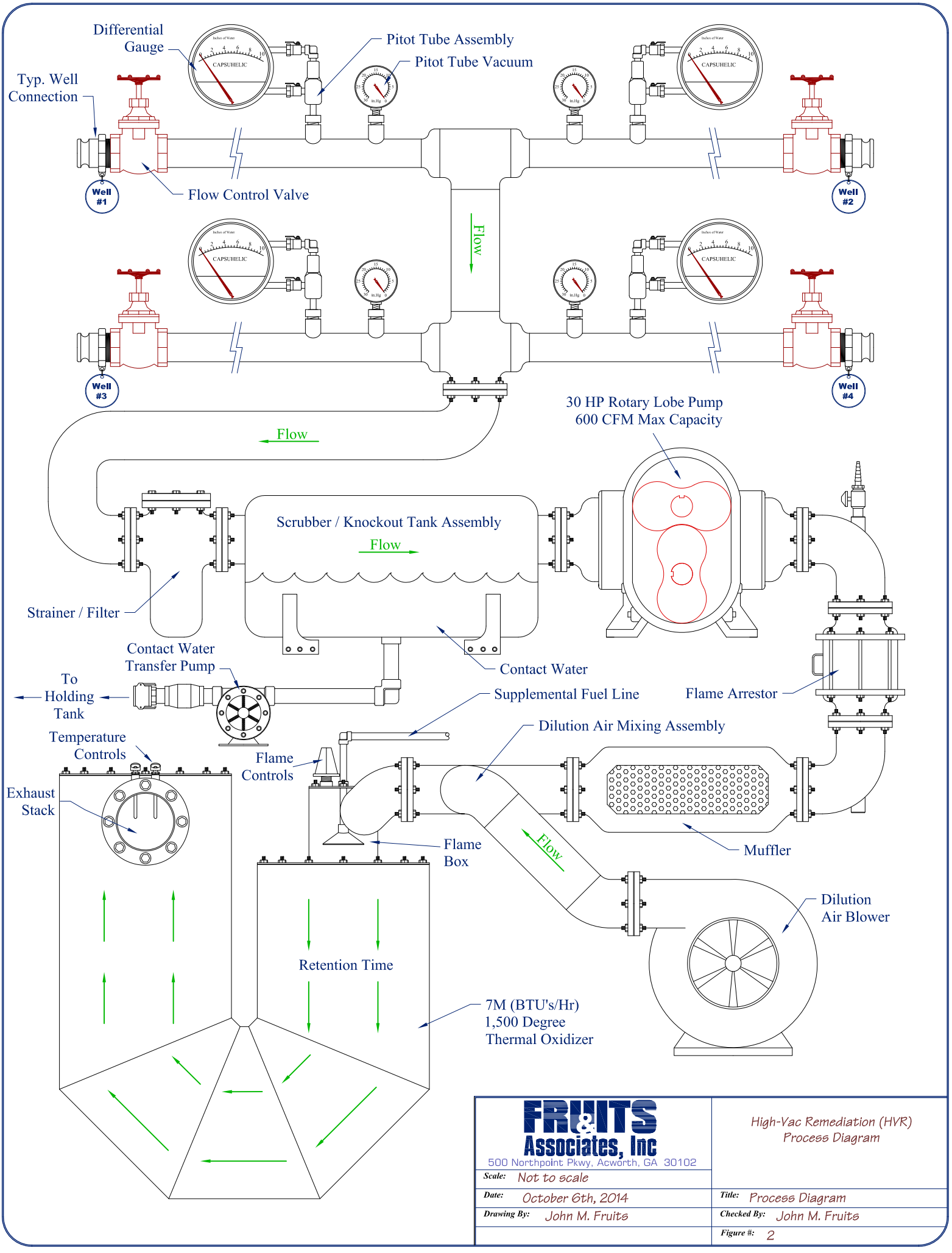
FIGURES



FRUITS & Associates, Inc
500 Northpoint Pkwy, Acworth, GA 30102

High-Vac Remediation (HVR)
Well Manifold Assembly
(Stinger Assembly)

Scale: Not to scale	
Date: October 6th, 2014	Title: Well Connection Diagram
Drawing By: John M. Fruits	Checked By: John M. Fruits
	Figure #: 1



FRUITS & Associates, Inc
500 Northpoint Pkwy, Acworth, GA 30102

High-Vac Remediation (HVR)
Process Diagram

Scale: Not to scale	
Date: October 6th, 2014	Title: Process Diagram
Drawing By: John M. Fruits	Checked By: John M. Fruits
	Figure #: 2

Calculation of Hydrocarbon Loading Rate

Formula:

$$\dot{m} = Q \times C \times CF$$

Where:

$\dot{m}$ = Contaminant Loading Rate (lbs/hr)

Q = Air Flow Rate (CFM)

C = Contaminant Concentration (mg/m³)

CF = Conversion Factor = 0.000003743 = $\frac{1\ m^3}{35.31\ ft^3}$ **X** $\frac{1\ lb}{454 \times 10^3\ mg}$ **X** $\frac{60\ min}{1\ hr}$

Since all field measurements are in PPM_V, the following formula is used to convert to mg/m³.

$$C = \frac{PPM_V}{R} \textbf{ X } \frac{1{,}000\ L}{1 m^3}$$

Where:

R = TVA Response Ratio*

*According to the manufacture's documentation, *The Foxboro Monitor, Volume 3, Issue 1A, Page 5, Response Ratio of Fuel Samples,* the Foxboro TVA-1000 has a response ratio of approximately $\frac{600\ PPM_V}{1\ mg/L}$ for Gasoline, $\frac{200\ PPM_V}{1\ mg/L}$ for Diesel Fuel.

Example:

Q = Air Flow Rate = 200 CFM

C = TVA-1000 Reading = 20,400 PPM_V

R = Response Ratio for Gasoline = 600

Results:

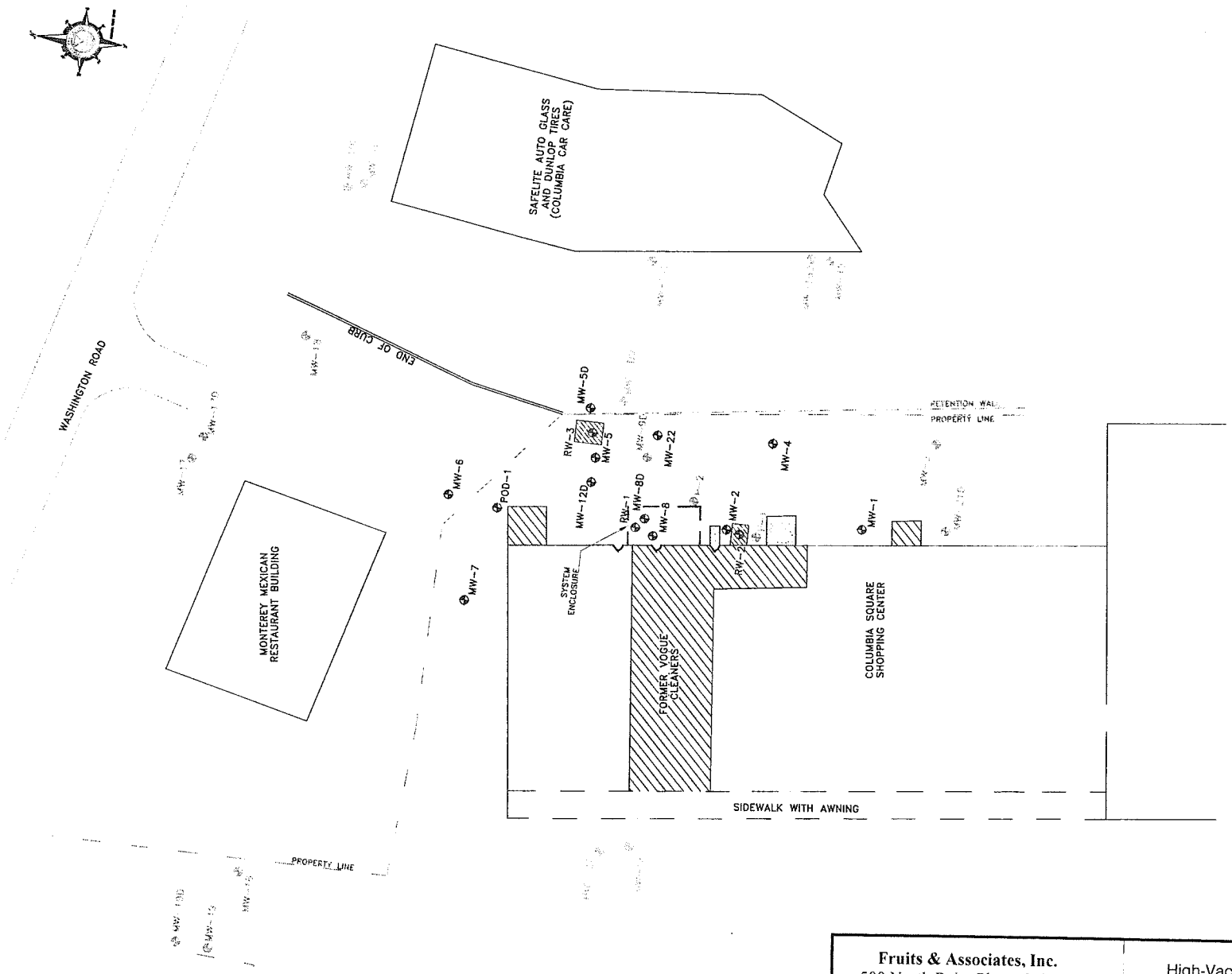
$$25.45\ \text{lbs/hr} = 200 \times \left(\frac{20{,}400}{600} \times 1{,}000\right) \times 0.000003743$$

($\dot{m}$ = 25.45 lbs/hr; Q = 200; C = 20,400; R = 600; CF = 0.000003743)

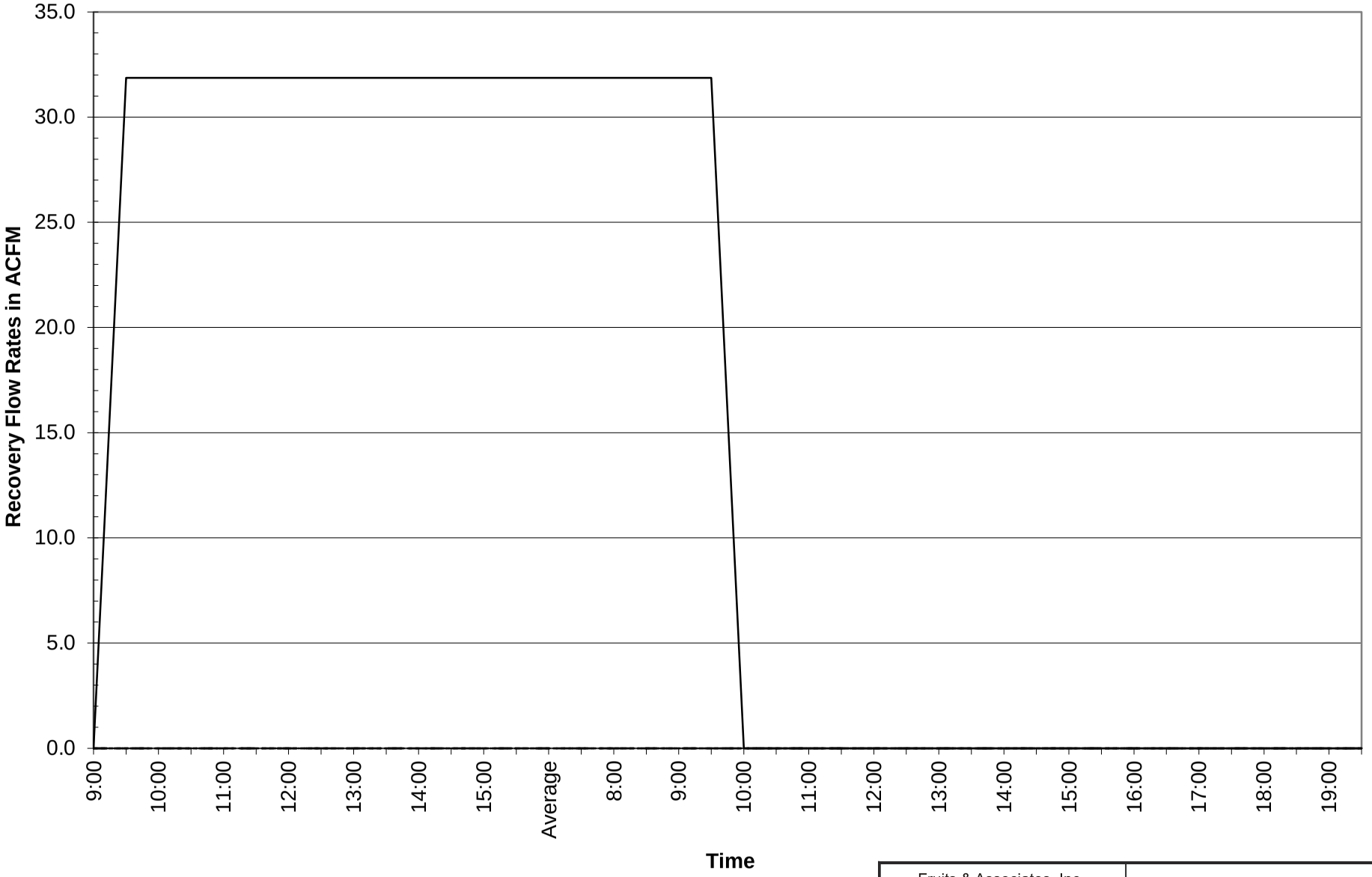
Note:

To convert *lbs* to equivalent gallons, the following formula is used:
Specific Gravity (Gasoline =0.74, Diesel = 0.84) x Conversion Factor (8.333) = *lbs/gal.*
(Gasoline = 6.16 *lbs/gal.* Diesel = 6.99 *lbs/gal.)*

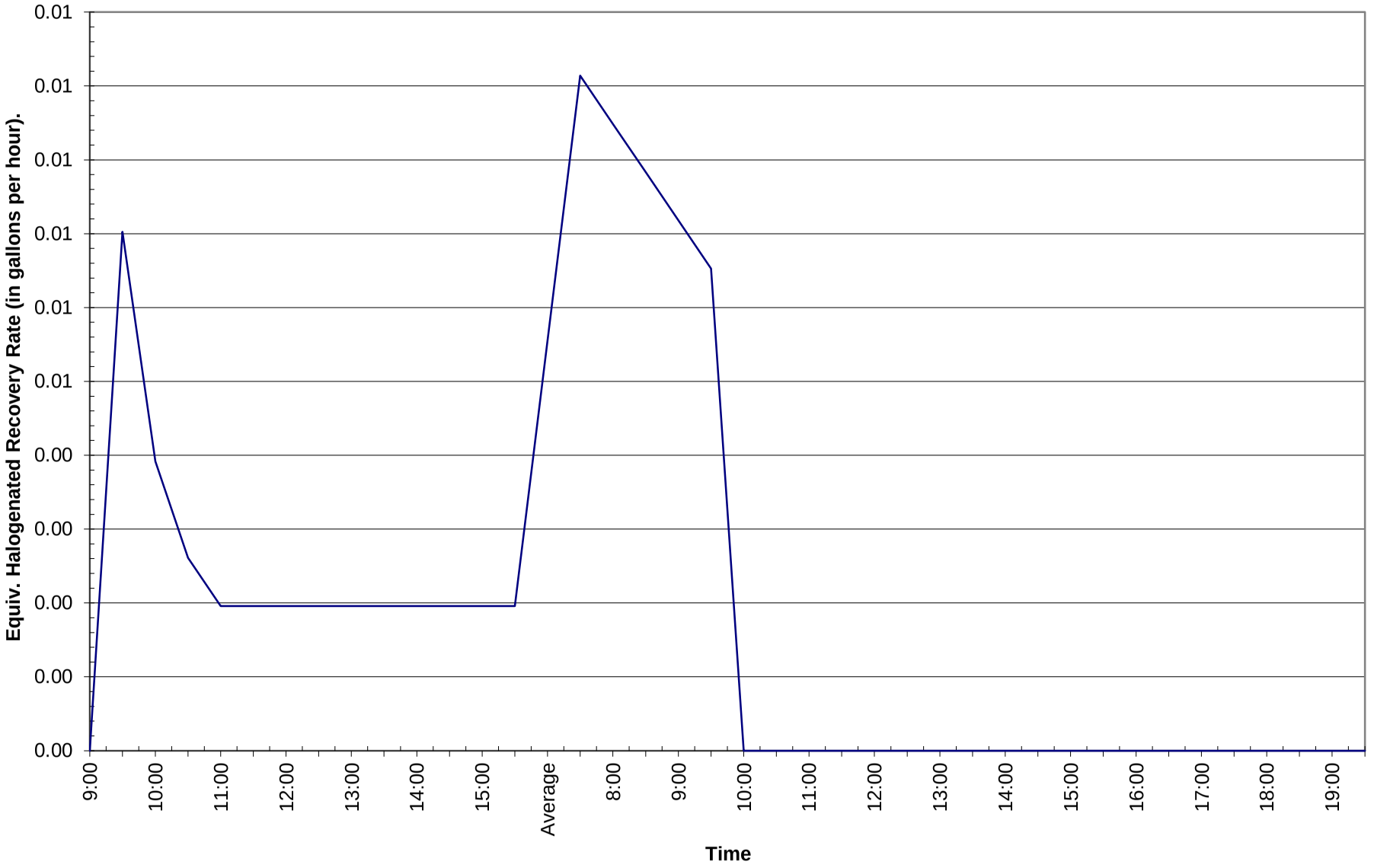
FR&ITS Associates, Inc 500 Northpoint Pkwy, Acworth, GA 30102	High-Vac Remediation (HVR) Process Diagram
Scale: Not to scale	
Date: October 6th, 2014	Title: Concentration Calculations
Drawing By: John M. Fruits	Checked By: John M. Fruits
	Figure #: 3



Fruits & Associates, Inc. 500 North Point Pkwy, Suite A Acworth, GA 30102	High-Vac Remediation (HVR)
Scale: As shown	
Date:	*Title:* Site Map / Diagram
Drawing By: Others	*Checked By:*
	Figure #: 4



Fruits & Associates, Inc. 500 North Point Pkwy, Suite A Acworth, Georgia 30102	High-Vac Remediation (HVR) Recovery Well Flow Rates
Scale: Not Applicable	
Date:	*Title:* Hydrocarbon Removal Rates
Drawing By: John M. Fruits	*Checked By:* John M. Fruits
	Figure #: 5



Fruits & Associates, Inc. 500 North Point Pkwy, Suite A Acworth, Georgia 30102	High-Vac Remediation (HVR) Halogenated Recovery Rate
Scale: Not Applicable	
Date:	*Title:* Hydrocarbon Removal Rates
Drawing By: John M. Fruits	*Checked By:* John M. Fruits
	Figure #: 6

ATTACHMENT A

Fruits & Associates, Inc.
500 North Point Pkwy Suite A Acworth, GA 30102

HVR FIELD MONITORING LOG

Date:	June 11, 2015	**Facility Name:**	Former Vogue Claeners	**Facility ID#:**		**Personnel:**	John M. Fruits
Event #:	2	**Facility Address:**	4020 Washington Road Martinez, GA	**Consultant:**	Genesis Project		Carl (Nick) Zehler

Time	Interval Time	Extraction Wells	Applied Well Head Vacuum and Well Head Total Flow Rates								Addl. Bleed Air	Total Velocity	Total Flow as	Total Flow as	Influent Flow Temp.	Total Influent FID Results	Filterted (CH_4) FID Results	N.M.O.C.	Before off-gas treatment: Carbon Removal Rate	Before off-gas treatment: Equivalant Tetrachloroethylene Removal Rate		After off-gas treatment: Temp. of Stack Gas	After off-gas treatment: Effluent Conc. Data	After off-gas treatment: ThOx Unit Total Flow Rate	After off-gas treatment: Carbon Emmision Rate	After off-gas treatment: Equiv. PCE Discharge Rate	After off-gas treatment: Destruction Efficiency Rating
			MW-8R																								
	(in Minutes)		(in/Hg)	ACFM	(in/Hg)	ACFM	(in/Hg)	ACFM	(in/Hg)	ACFM	(ACFM)	Ft/sec.	(ACFM)	(DACFM)	(F^{o})	(PPMv)	(PPMv)	(Total - CH_4) (PPMv)	(lbs.)	Lbs	Gal	(F^{o})	(PPMv)	(ACFM)	(lbs.)	(lbs.)	%
09:00 AM	0 min.																										
09:30 AM	0 min.	MW-8R	8.0	31.9							5.0	28.2	36.9	36.1	71.0	110	0	110	0.00	0.00000	0.00000	1193.0	2.00	336.73	0.0000	0.0000	83.02%
10:00 AM	30 min.	MW-8R	8.0	31.9							5.0	28.2	36.9	36.1	71.0	60	0	60	0.00	0.02644	0.00196	1205.0	2.00	336.73	0.0006	0.0080	69.55%
10:30 AM	30 min.	MW-8R	8.0	31.9							5.0	28.2	36.9	36.0	72.0	40	0	40	0.00	0.01763	0.00131	1192.0	2.00	336.73	0.0006	0.0080	54.33%
11:00 AM	30 min.	MW-8R	8.0	31.9							5.0	28.2	36.9	36.0	72.0	30	0	30	0.00	0.01322	0.00098	1208.0	2.00	336.73	0.0006	0.0080	39.11%
11:30 AM	30 min.	MW-8R	8.0	31.9							5.0	28.2	36.9	35.9	73.0	30	0	30	0.00	0.01322	0.00098	1206.0	2.00	336.73	0.0006	0.0080	39.11%
12:00 PM	30 min.	MW-8R	8.0	31.9							5.0	28.2	36.9	35.9	73.0	30	0	30	0.00	0.01322	0.00098	1205.0	2.00	336.73	0.0006	0.0080	39.11%
12:30 PM	30 min.	MW-8R	8.0	31.9							5.0	28.2	36.9	35.9	73.0	30	0	30	0.00	0.01322	0.00098	1200.0	2.00	336.73	0.0006	0.0080	39.11%
01:00 PM	30 min.	MW-8R	8.0	31.9							5.0	28.2	36.9	35.9	73.0	30	0	30	0.00	0.01322	0.00098	1198.0	2.00	336.73	0.0006	0.0080	39.11%
01:30 PM	30 min.	MW-8R	8.0	31.9							5.0	28.2	36.9	35.9	73.0	30	0	30	0.00	0.01322	0.00098	1203.0	2.00	336.73	0.0006	0.0080	39.11%
02:00 PM	30 min.	MW-8R	8.0	31.9							5.0	28.2	36.9	35.9	73.0	30	0	30	0.00	0.01322	0.00098	1201.0	2.00	336.73	0.0006	0.0080	39.11%
02:30 PM	30 min.	MW-8R	8.0	31.9							5.0	28.2	36.9	35.9	73.0	30	0	30	0.00	0.01322	0.00098	1196.0	2.00	336.73	0.0006	0.0080	39.11%
03:00 PM	30 min.	MW-8R	8.0	31.9							5.0	28.2	36.9	35.9	73.0	30	0	30	0.00	0.01322	0.00098	1207.0	2.00	336.73	0.0006	0.0080	39.11%
03:30 PM	30 min.	MW-8R	8.0	31.9							5.0	28.2	36.9	35.9	73.0	30	0	30	0.00	0.01322	0.00098	1203.0	2.00	336.73	0.0006	0.0080	39.11%
Average	930 min.	MW-8R	8.0	31.9							5.0	28.2	36.9	36.0	72.0	85	0	85	0.09	1.16115	0.08601	1204.5	2.00	336.73	0.0195	0.2495	78.51%
07:30 AM	30 min.	MW-8R	8.0	31.9							5.0	28.2	36.9	36.1	71.0	140	0	140	0.00	0.06169	0.00457	1206.0	2.00	336.73	0.0006	0.0080	86.95%
08:00 AM	30 min.	MW-8R	8.0	31.9							5.0	28.2	36.9	36.1	71.0	130	0	130	0.00	0.05729	0.00424	1203.0	2.00	336.73	0.0006	0.0080	85.95%
08:30 AM	30 min.	MW-8R	8.0	31.9							5.0	28.2	36.9	36.0	72.0	120	0	120	0.00	0.05288	0.00392	1200.0	2.00	336.73	0.0006	0.0080	84.78%
09:00 AM	30 min.	MW-8R	8.0	31.9							5.0	28.2	36.9	36.0	72.0	110	0	110	0.00	0.04847	0.00359	1205.0	2.00	336.73	0.0006	0.0080	83.39%
09:30 AM	30 min.	MW-8R	8.0	31.9							5.0	28.2	36.9	35.9	73.0	100	0	100	0.00	0.04407	0.00326	1203.0	2.00	336.73	0.0006	0.0080	81.73%
10:00 AM	30 min.																										
10:30 AM	30 min.																										
11:00 AM	30 min.																										
11:30 AM	30 min.																										
12:00 PM	30 min.																										
12:30 PM	30 min.																										
01:00 PM	30 min.																										
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05:00 PM	30 min.																										
05:30 PM	30 min.																										
06:00 PM	30 min.																										
06:30 PM	30 min.																										
07:00 PM	30 min.																										
07:30 PM	30 min.																										
																	Total removed:		0.12	1.60	0.119	**Total Pounds discharged:**		0.03021	0.38639	57.86%

Comments:

Monitoring Well Gauging Data

Well Number	Before Event DTP	Before Event DTW	Before Event Prod.(ft)	Influence Vacuum 3:00 PM		After Event DTP	After Event DTW	After Event Prod.(ft)
MW-2R	5.62	5.62		0.00 WC		5.90	5.90	
MW-22	5.51	5.51		0.00 WC		5.79	5.79	
MW-8R	10.30	10.30		2" Hg		10.72	10.72	

Calibration Information

TVA Calibration Gas	Methane	
TVA Response Ratio / Molecular Weight	1.062	165.85
Number of Carbons in Methane	1	
Influent Pipe Dia.	2	
Effluent Stack Dia.	6	

Event Totals

Total Lbs of Carbon	0.12
Total Lbs of Tetrachloroethylene	1.60
Equiv. Gal. of Tetrachloroethylene	0.119
Total Gallons of Liquid	5525.00
Total Hours	24.0

Cumulative Totals

Total Lbs of Carbon	0.20
Total Lbs of Tetrachloroethylene	2.66
Equiv. Gal. of Tetrachloroethylene	0.198
Total Gallons of Liquid	8175.00

ATTACHMENT B

FRUITS & Associates, Inc

500 North Point Parkway, Suite A
Acworth, Georgia 30102
(770) 974-6999 Fax: (770) 974-4888

NON-HAZARDOUS WASTE MANIFEST

F&A Project #: GA15-6584 **Manifest Number:** No. 9506

Section 1: GENERATOR

Generator Name: Former Vogue Cleaners
Address: 4020 Washington Rd
City: Martinez State: GA Zip:
Phone No.: 770-319-7217 Fax:

Generating Location: Same
Address:
City: State: Zip:
Phone No.: Fax:

Description of Waste: Petroleum Contacted Water

Quantity
5525
in U.S. Gallons

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name: [illegible] Signature: [signature] Ship Date: 6-12-2015

Section 2: TRANSPORTER

Transport Company

Company Name: Fruits & Associates, Inc.
Address: 500 North Point Parkway
Suite A
City: Acworth State: GA Zip: 30102
Phone No.: 770-974-6999 Fax: 770-974-4888
Driver Name / Title: Bradley Boyer
Truck #: 595640 Vehicle Tag: 1200920
Driver Signature: [signature] Date: 6-12-15

Additional Transport Company

Company Name:
Address:
City: State: Zip:
Phone No.: Fax:
Driver Name / Title:
Truck #: Vehicle Tag:
Driver Signature: Date:

Section 3: DESTINATION / DISPOSAL FACILITY

Company Name: Aqua-Terra
Address: 710 Moore St.
City: Oxford State: GA Zip: 30054
Phone No.: Fax:

I hereby certify that the above material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent / Title: Misty Lefebvre
Signature: [signature] Date: 6/12/15

Discrepancy:

Attachment 2
Groundwater Sampling Log
Laboratory Report

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

June 19, 2015

Mark D. Mitchell
Genesis Project, Inc.
1258 Concord Rd. SE
Smyrna GA 30016

TEL: (770) 319-7217
FAX: (770) 319-7219

RE: Vogue Cleaners

Dear Mark D. Mitchell: Order No: 1506F07

Analytical Environmental Services, Inc. received 1 samples on 6/12/2015 1:03:00 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' certifications are as follows:
-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/14-06/30/15.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 09/01/15.

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.

Dorothy deBruyn
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

AES

CHAIN OF CUSTODY

Work Order: 1506F07

Date: 6/12/15 Page 1 of 1

COMPANY:	ADDRESS:
Genesis Project Inc	258 Concordia Smyrna GA 30080
PHONE: 770-319-7217	FAX: 770-319-7219
SAMPLED BY: Will Mitchell	SIGNATURE:

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	PRESERVATION (See codes) H+I	ANALYSIS REQUESTED Total VOCs	REMARKS	No # of Containers
1	MW-8R	6/12/15	1020	X		GW	X			2
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										

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

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1:	6/12/15 1103	1: Cataya Reeves	6/12/15 1:03
2:		2:	
3:		3:	

PROJECT INFORMATION

PROJECT NAME: Vogue Cleaners
PROJECT #:
SITE ADDRESS:
SEND REPORT TO: mmitchell@genproject.com
INVOICE TO: (IF DIFFERENT FROM ABOVE)
QUOTE #: PO#:

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
CLIENT FedEx UPS MAIL COURIER GREYHOUND OTHER

RECEIPT
Total # of Containers: 2

Turnaround Time 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? (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

Analytical Environmental Services, Inc **Date:** 19-Jun-15

Client:	Genesis Project, Inc.	**Client Sample ID:**	MW-8R
Project Name:	Vogue Cleaners	**Collection Date:**	6/12/2015 10:20:00 AM
Lab ID:	1506F07-001	**Matrix:**	Groundwater

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	208897	1	06/16/2015 08:44	CH
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	208897	1	06/16/2015 08:44	CH
1,1,2-Trichloroethane	BRL	5.0		ug/L	208897	1	06/16/2015 08:44	CH
1,1-Dichloroethane	BRL	5.0		ug/L	208897	1	06/16/2015 08:44	CH
1,1-Dichloroethene	BRL	5.0		ug/L	208897	1	06/16/2015 08:44	CH
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	208897	1	06/16/2015 08:44	CH
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	208897	1	06/16/2015 08:44	CH
1,2-Dibromoethane	BRL	5.0		ug/L	208897	1	06/16/2015 08:44	CH
1,2-Dichlorobenzene	BRL	5.0		ug/L	208897	1	06/16/2015 08:44	CH
1,2-Dichloroethane	BRL	5.0		ug/L	208897	1	06/16/2015 08:44	CH
1,2-Dichloropropane	BRL	5.0		ug/L	208897	1	06/16/2015 08:44	CH
1,3-Dichlorobenzene	BRL	5.0		ug/L	208897	1	06/16/2015 08:44	CH
1,4-Dichlorobenzene	BRL	5.0		ug/L	208897	1	06/16/2015 08:44	CH
2-Butanone	BRL	50		ug/L	208897	1	06/16/2015 08:44	CH
2-Hexanone	BRL	10		ug/L	208897	1	06/16/2015 08:44	CH
4-Methyl-2-pentanone	BRL	10		ug/L	208897	1	06/16/2015 08:44	CH
Acetone	BRL	50		ug/L	208897	1	06/16/2015 08:44	CH
Benzene	BRL	5.0		ug/L	208897	1	06/16/2015 08:44	CH
Bromodichloromethane	BRL	5.0		ug/L	208897	1	06/16/2015 08:44	CH
Bromoform	BRL	5.0		ug/L	208897	1	06/16/2015 08:44	CH
Bromomethane	BRL	5.0		ug/L	208897	1	06/16/2015 08:44	CH
Carbon disulfide	BRL	5.0		ug/L	208897	1	06/16/2015 08:44	CH
Carbon tetrachloride	BRL	5.0		ug/L	208897	1	06/16/2015 08:44	CH
Chlorobenzene	BRL	5.0		ug/L	208897	1	06/16/2015 08:44	CH
Chloroethane	BRL	10		ug/L	208897	1	06/16/2015 08:44	CH
Chloroform	BRL	5.0		ug/L	208897	1	06/16/2015 08:44	CH
Chloromethane	BRL	10		ug/L	208897	1	06/16/2015 08:44	CH
cis-1,2-Dichloroethene	BRL	5.0		ug/L	208897	1	06/16/2015 08:44	CH
cis-1,3-Dichloropropene	BRL	5.0		ug/L	208897	1	06/16/2015 08:44	CH
Cyclohexane	BRL	5.0		ug/L	208897	1	06/16/2015 08:44	CH
Dibromochloromethane	BRL	5.0		ug/L	208897	1	06/16/2015 08:44	CH
Dichlorodifluoromethane	BRL	10		ug/L	208897	1	06/16/2015 08:44	CH
Ethylbenzene	BRL	5.0		ug/L	208897	1	06/16/2015 08:44	CH
Freon-113	BRL	10		ug/L	208897	1	06/16/2015 08:44	CH
Isopropylbenzene	BRL	5.0		ug/L	208897	1	06/16/2015 08:44	CH
m,p-Xylene	BRL	5.0		ug/L	208897	1	06/16/2015 08:44	CH
Methyl acetate	BRL	5.0		ug/L	208897	1	06/16/2015 08:44	CH
Methyl tert-butyl ether	BRL	5.0		ug/L	208897	1	06/16/2015 08:44	CH
Methylcyclohexane	BRL	5.0		ug/L	208897	1	06/16/2015 08:44	CH
Methylene chloride	BRL	5.0		ug/L	208897	1	06/16/2015 08:44	CH
o-Xylene	BRL	5.0		ug/L	208897	1	06/16/2015 08:44	CH

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:** 19-Jun-15

Client:	Genesis Project, Inc.	**Client Sample ID:**	MW-8R
Project Name:	Vogue Cleaners	**Collection Date:**	6/12/2015 10:20:00 AM
Lab ID:	1506F07-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	208897	1	06/16/2015 08:44	CH
Tetrachloroethene	350	50		ug/L	208897	10	06/16/2015 22:57	NP
Toluene	BRL	5.0		ug/L	208897	1	06/16/2015 08:44	CH
trans-1,2-Dichloroethene	BRL	5.0		ug/L	208897	1	06/16/2015 08:44	CH
trans-1,3-Dichloropropene	BRL	5.0		ug/L	208897	1	06/16/2015 08:44	CH
Trichloroethene	23	5.0		ug/L	208897	1	06/16/2015 08:44	CH
Trichlorofluoromethane	BRL	5.0		ug/L	208897	1	06/16/2015 08:44	CH
Vinyl chloride	BRL	2.0		ug/L	208897	1	06/16/2015 08:44	CH
Surr: 4-Bromofluorobenzene	88.5	70.6-123		%REC	208897	1	06/16/2015 08:44	CH
Surr: 4-Bromofluorobenzene	89.5	70.6-123		%REC	208897	10	06/16/2015 22:57	NP
Surr: Dibromofluoromethane	104	78.7-124		%REC	208897	1	06/16/2015 08:44	CH
Surr: Dibromofluoromethane	107	78.7-124		%REC	208897	10	06/16/2015 22:57	NP
Surr: Toluene-d8	97.6	81.3-120		%REC	208897	10	06/16/2015 22:57	NP
Surr: Toluene-d8	103	81.3-120		%REC	208897	1	06/16/2015 08:44	CH

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.

Sample/Cooler Receipt Checklist

Client Genesis Project, INC Work Order Number 1506F07

Checklist completed by [signature] 06/12/2015
Signature Date

Carrier name: FedEx __ UPS __ Courier __ Client ✓ US Mail __ Other _____

Shipping container/cooler in good condition? Yes ✓ No __ Not Present __

Custody seals intact on shipping container/cooler? Yes __ No __ Not Present ✓

Custody seals intact on sample bottles? Yes __ No __ Not Present ✓

Container/Temp Blank temperature in compliance? (0°≤6°C)* Yes ✓ No __

Cooler #1 3.2C Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

Chain of custody signed when relinquished and received? Yes ✓ No __

Chain of custody agrees with sample labels? Yes ✓ No __

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes ✓ No __

Was TAT marked on the COC? Yes ✓ No __

Proceed with Standard TAT as per project history? Yes __ No __ Not Applicable ✓

Water - VOA vials have zero headspace? No VOA vials submitted __ Yes ✓ No __

Water - pH acceptable upon receipt? Yes ✓ No __ Not Applicable __

Adjusted? _____ Checked by _____

Sample Condition: Good ✓ Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes __ No ✓

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

Client: Genesis Project, Inc.
Project Name: Vogue Cleaners
Workorder: 1506F07

ANALYTICAL QC SUMMARY REPORT

BatchID: **208897**

Sample ID: **MB-208897**	Client ID:	Units: **ug/L**	Prep Date: **06/15/2015**	Run No: **294014**
SampleType: **MBLK**	TestCode: **TCL VOLATILE ORGANICS SW8260B**	BatchID: **208897**	Analysis Date: **06/15/2015**	Seq No: **6264410**

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: Genesis Project, Inc.
Project Name: Vogue Cleaners
Workorder: 1506F07

ANALYTICAL QC SUMMARY REPORT

BatchID: 208897

Sample ID: **MB-208897**	Client ID:	Units: **ug/L**	Prep Date: **06/15/2015**	Run No: **294014**	
SampleType: **MBLK**	TestCode: **TCL VOLATILE ORGANICS SW8260B**	BatchID: **208897**	Analysis Date: **06/15/2015**	Seq No: **6264410**	

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	48.21	0	50.00		96.4	70.6	123				
Surr: Dibromofluoromethane	50.39	0	50.00		101	78.7	124				
Surr: Toluene-d8	50.50	0	50.00		101	81.3	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: Genesis Project, Inc.
Project Name: Vogue Cleaners
Workorder: 1506F07

ANALYTICAL QC SUMMARY REPORT

BatchID: 208897

Sample ID: **LCS-208897**	Client ID:			Units: **ug/L**		Prep Date: **06/15/2015**		Run No: **294014**	
SampleType: **LCS**	TestCode: **TCL VOLATILE ORGANICS SW8260B**			BatchID: **208897**		Analysis Date: **06/15/2015**		Seq No: **6264409**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	56.84	5.0	50.00		114	64.2	137				
Benzene	50.40	5.0	50.00		101	72.8	128				
Chlorobenzene	47.67	5.0	50.00		95.3	72.3	126				
Toluene	49.89	5.0	50.00		99.8	74.9	127				
Trichloroethene	48.97	5.0	50.00		97.9	70.5	134				
Surr: 4-Bromofluorobenzene	48.60	0	50.00		97.2	70.6	123				
Surr: Dibromofluoromethane	49.86	0	50.00		99.7	78.7	124				
Surr: Toluene-d8	50.59	0	50.00		101	81.3	120				

Sample ID: **1506F09-002AMS**	Client ID:			Units: **ug/L**		Prep Date: **06/15/2015**		Run No: **294056**	
SampleType: **MS**	TestCode: **TCL VOLATILE ORGANICS SW8260B**			BatchID: **208897**		Analysis Date: **06/16/2015**		Seq No: **6265355**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	51.38	5.0	50.00		103	60.5	156				
Benzene	52.75	5.0	50.00		106	70	135				
Chlorobenzene	52.86	5.0	50.00		106	70.5	132				
Toluene	29.00	5.0	50.00		58.0	70.5	137				S
Trichloroethene	52.19	5.0	50.00		104	71.8	139				
Surr: 4-Bromofluorobenzene	45.38	0	50.00		90.8	70.6	123				
Surr: Dibromofluoromethane	51.71	0	50.00		103	78.7	124				
Surr: Toluene-d8	46.62	0	50.00		93.2	81.3	120				

Sample ID: **1506F09-002AMSD**	Client ID:			Units: **ug/L**		Prep Date: **06/15/2015**		Run No: **294056**	
SampleType: **MSD**	TestCode: **TCL VOLATILE ORGANICS SW8260B**			BatchID: **208897**		Analysis Date: **06/17/2015**		Seq No: **6265356**	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	46.64	5.0	50.00		93.3	60.5	156	51.38	9.67	20	
Benzene	50.60	5.0	50.00		101	70	135	52.75	4.16	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: Genesis Project, Inc.
Project Name: Vogue Cleaners
Workorder: 1506F07

ANALYTICAL QC SUMMARY REPORT

BatchID: 208897

Sample ID: **1506F09-002AMSD** Client ID:
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B**
Units: **ug/L** Prep Date: **06/15/2015** Run No: **294056**
BatchID: **208897** Analysis Date: **06/17/2015** Seq No: **6265356**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	50.66	5.0	50.00		101	70.5	132	52.86	4.25	20	
Toluene	25.27	5.0	50.00		50.5	70.5	137	29.00	13.7	20	S
Trichloroethene	48.92	5.0	50.00		97.8	71.8	139	52.19	6.47	20	
Surr: 4-Bromofluorobenzene	45.79	0	50.00		91.6	70.6	123	45.38	0	0	
Surr: Dibromofluoromethane	52.40	0	50.00		105	78.7	124	51.71	0	0	
Surr: Toluene-d8	46.70	0	50.00		93.4	81.3	120	46.62	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		

Low-Flow Purging and Sampling Log

Project: Vogue Cleaners Date: 6/12/15 Well ID: MW-8R Page: 1

Sampling Instrument: ~~QED~~ Peristaltic Pump Pump Rate: ~~100/2~~ ~200 (mL/min)

Intial Readings
Well Depth: _____ Screened Interval: _____ Water Level: 10.30 Depth to Pump Intake: ~11.50

Time (24hr)	Water Level (ft) (TOC)	Purge Volume (gal)	pH	Temp ©	Specific Conductance (mS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Redox (Eh)	Comments
1005	10.30	0.05							Discharge was
1010	10.30	0.1							sediment free
1015	10.30	0.15							throughout purge,
									equipment not on
									site for readings

Depth to Water after sample collection: 10.30 Total Gallons Purged: ~0.2

Date/Time Sample Collection 6/12/15 1020

Parameter Standards:
pH +/- 0.1, +/-3% conductivity, +/-10mv for Redox potential, and +/-%10 for turbidity or DO.
Turbidity range (<5/=) NTU, if turbidity exceeds 5 NTUs: sample must be filtered for metals
water level drawdown in the well not to exceed 0.2 ft.

APPENDIX IV
Groundwater Sample Logs

Low-Flow Purging and Sampling Log

Project: Vogue Cleaners Date: 6/29/15 Well ID: MW-5 Page: 1

Sampling Instrument: ~~QED~~ Peristaltic Pump Rate: 100/2 (mL/min)

Intial Readings
Well Depth: _____ Screened Interval: _____ Water Level: 5.48 Depth to Pump Intake: 17.00

Time (24hr)	Water Level (ft) (TOC)	Purge Volume (gal)	pH	Temp ©	Specific Conductance (mS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Redox (Eh)	Comments
19.25	5.48	0.1	6.98	26.42	0.434	8.26	7.74		
1930	5.48	0.2	6.81	26.28	0.391	7.55	3.14		
1935	5.48	0.3	6.78	26.20	0.379	7.00	2.37		
1940	5.48	0.4	6.78	26.27	0.381	6.77	2.48		
1945	5.48	0.5	6.73	26.13	0.356	6.06	1.64		
1950	5.48	0.6	6.68	26.09	342	6.15	1.49		
1955	5.48	0.7	6.66	26.01	321	6.56	0.75		
2000	5.48	0.9	6.63	26.00	314	5.76	0.75		
2005	5.48	1.1	6.61	26.01	306	5.51	0.67		
2010	5.48	1.3	6.61	25.98	301	5.29	0.68		
2015	5.48	1.5	6.60	25.88	297	4.88	0.35		

Depth to Water after sample collection: 5.46 Total Gallons Purged: 1.7

Date/Time Sample Collection 6/29/15 2020

Parameter Standards:
pH +/- 0.1, +/-3% conductivity, +/-10mv for Redox potential, and +/-%10 for turbidity or DO.
Turbidity range (<5/=) NTU, if turbidity exceeds 5 NTUs: sample must be filtered for metals
water level drawdown in the well not to exceed 0.2 ft.

Low-Flow Purging and Sampling Log

Project: Vogue Cleaners Date: 6/29/15 Well ID: POD-1 Page: 1

Sampling Instrument: ~~QED~~ Peristaltic Pump Rate: 100/2 (mL/min)

Intial Readings
Well Depth: _____ Screened Interval: _____ Water Level: 5.58 Depth to Pump Intake: _____

Time (24hr)	Water Level (ft) (TOC)	Purge Volume (gal)	pH	Temp ©	Specific Conductance (mS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Redox (Eh)	Comments
1755	5.59	0.2	5.85	22.68	0.237	7.66	5.58		
1800	5.58	0.3	5.84	27.20	0.258	7.57	2.05		
1805	5.58	0.4	5.78	27.01	0.296	7.33	4.98		
1810	5.58	0.5	5.70	26.95	0.340	7.76	1.08		
1815	5.58	0.6	5.65	26.78	0.383	7.54	0.62		
1820	5.58	0.7	5.60	26.80	0.420	8.00	1.27		
1825	5.58	0.8	5.58	26.87	0.458	8.00	0.68		
1830	5.58	0.9	5.59	26.86	0.478	7.95	0.53		
1835	5.58	1.0	5.58	26.68	0.497	7.83	0.64		
1840	5.58	1.1	5.57	26.71	0.505	7.77	0.47		
1845	5.58	1.2	5.59	26.68	0.509	7.84	0.55		

Depth to Water after sample collection: 5.58 Total Gallons Purged: 1.3

Date/Time Sample Collection 6/29/15 1850

Parameter Standards:
pH +/- 0.1, +/-3% conductivity, +/-10mv for Redox potential, and +/-%10 for turbidity or DO.
Turbidity range (<5/=) NTU, if turbidity exceeds 5 NTUs: sample must be filtered for metals
water level drawdown in the well not to exceed 0.2 ft.

Low-Flow Purging and Sampling Log

Project: Vogue Cleaners Date: 6/26/15 Well ID: MW-2R Page: 1

Sampling Instrument: QED (Peristaltic) Pump Rate: 100/2 (mL/min)

Intial Readings
Well Depth: _____ Screened Interval: _____ Water Level: 5.66 Depth to Pump Intake: ~7.00

Time (24hr)	Water Level (ft) (TOC)	Purge Volume (gal)	pH	Temp ©	Specific Conductance (mS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Redox (Eh)	Comments
1625	5.66	0.1	6.95	28.22	0.196	0.37	24.1		
1630	5.66	0.2	6.90	28.22	0.194	0.25	17.1		
1635	5.66	0.3	6.89	28.23	0.193	0.22	10.2		
1640	5.66	0.4	6.86	27.79	0.182	0.21	9.44		
1645	5.66	0.5	6.82	27.68	0.172	0.28	23.2		
1650	5.66	0.6	6.83	27.64	0.173	0.26			Calibrating turbidity meter again
1655	5.66	0.7	6.84	27.70	0.173	0.26	5.5		

Depth to Water after sample collection: 5.66 Total Gallons Purged: 0.8

Date/Time Sample Collection 6/26/15 1700

Parameter Standards:
pH +/- 0.1, +/-3% conductivity, +/-10mv for Redox potential, and +/-%10 for turbidity or DO.
Turbidity range (<5/=) NTU, if turbidity exceeds 5 NTUs: sample must be filtered for metals
water level drawdown in the well not to exceed 0.2 ft.

Low-Flow Purging and Sampling Log

Project: Vogue Cleaners Date: 6/29/15 Well ID: MW-8R Page: 1

Sampling Instrument: ~~QED~~ Peristaltic Pump Rate: 100/2 (mL/min)

Intial Readings

Well Depth: _____ Screened Interval: _____ Water Level: 10.34 Depth to Pump Intake: ~12.00

Time (24hr)	Water Level (ft) (TOC)	Purge Volume (gal)	pH	Temp ©	Specific Conductance (mS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Redox (Eh)	Comments
1235	10.34	1.2	5.09	22.27	1.246	2.48	76.2		
1240	10.34	1.3	5.05	26.99	1.225	2.45	85.3		
1245	10.34	1.4	5.00	26.93	1.215	2.53	63.6		
1250	10.34	1.5	4.96	26.78	1.199	2.65	56.1		
1255	10.34	1.6	4.91	26.89	1.196	2.72	50.6		
1300	10.34	1.7	4.91	27.02	1.182	3.00	48.9		
1305	10.34	1.9	4.82	27.72	1.196	2.96	46.5		
1310	10.34	2.1	4.85	26.81	1.161	3.05	46.1		
1315	10.34	2.3	4.85	26.30	1.168	3.19	64.6		
1320	10.34	2.55	4.88	25.69	1.194	3.04	80.3		
1330	10.34	2.7	3.98	26.90	1.203	4.18	73.2		
1340	10.34	2.9	5.06	26.73	1.184	5.33	74.7		
1345	10.34	3.1	5.01	25.85	1.115	5.61	67.2		
1350	10.34	3.3	5.04	26.94	1.137	5.50	59.1		
1355	10.34	3.5	4.98	26.87	1.130	5.23	62.1		
1400	10.34	3.7	4.96	26.93	1.120	5.43	58.9		
1405	10.34	3.9	4.94	27.06	1.111	4.86	52.7		
1410	10.34	4.1	4.90	27.01	1.0996	5.00	59.5		

Depth to Water after sample collection: _____ Total Gallons Purged: _____

Date/Time Sample Collection _____

Parameter Standards:

pH +/- 0.1, +/-3% conductivity, +/-10mv for Redox potential, and +/-%10 for turbidity or DO.

Turbidity range (<5/=) NTU, if turbidity exceeds 5 NTUs: sample must be filtered for metals

water level drawdown in the well not to exceed 0.2 ft.

Low-Flow Purging and Sampling Log

Project: Vogue Cleaners Date: 6/29/15 Well ID: MW-8R Page: 2

Sampling Instrument: QED Pump Rate: 100/2 (mL/min)

Intial Readings
Well Depth: _____ Screened Interval: _____ Water Level: 10.34 Depth to Pump Intake: ~20

Time (24hr)	Water Level (ft) (TOC)	Purge Volume (gal)	pH	Temp ©	Specific Conductance (mS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Redox (Eh)	Comments
1410 15	10.34	4.3	4.87	27.06	1.083	4.63	55.3		
1420	10.34	4.5	4.87	27.09	1.073	4.80	54.7		
1425	10.34	4.7	4.87	27.09	1.063	4.33	52.6		
1430	10.34	4.9	4.90	27.03	1.047	4.50	49.0		
1435	10.34	5.1	4.89	27.12	1.047	4.52	47.1		
1440	10.34	5.3	4.88	27.32	1.042	4.32	45.2		
1445	10.34	5.5	4.90	27.10	1.026	4.71	45.9		
1450	10.34	5.7	4.90	26.89	1.008	4.54	41.8		
1455	10.34	5.9	4.94	26.86	0.998	4.37	40.2		
1500	10.34	6.1	4.93	26.73	0.987	4.35	42.2		
1505	10.34	6.3	4.96	26.64	0.969	4.28	39.4		
1510	10.34	6.5	4.97	26.69	0.964	4.30	37.5		
1515	10.34	6.7	4.97	26.63	0.956	4.29	35.0		
1520	10.34	6.9	4.95	27.02	0.957	4.43	35.5		
1525	10.34	7.1	4.94	27.22	0.957	4.05	34.4		
1530	10.34	7.3	4.90	27.93	0.960	4.45	36.5		
1535	10.34	7.5	4.94	27.21	0.933	4.12	35.6		
1540	10.34	7.7	4.92	27.35	0.930	3.87	35.9		

Depth to Water after sample collection: _____ Total Gallons Purged: _____

Date/Time Sample Collection _____

Parameter Standards:
pH +/- 0.1, +/-3% conductivity, +/-10mv for Redox potential, and +/-%10 for turbidity or DO.
Turbidity range (<5/=) NTU, if turbidity exceeds 5 NTUs: sample must be filtered for metals
water level drawdown in the well not to exceed 0.2 ft.

Low-Flow Purging and Sampling Log

Project: Vogue Cleaners Date: 6/29/15 Well ID: MW-8R Page: 3

Sampling Instrument: QED Pump Rate: 100/2 (mL/min)

Intial Readings
Well Depth: _____ Screened Interval: _____ Water Level: 10.34 Depth to Pump Intake: ~12.00

Time (24hr)	Water Level (ft) (TOC)	Purge Volume (gal)	pH	Temp ©	Specific Conductance (mS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Redox (Eh)	Comments
1545	10.34	7.9	4.94	22.13	0.919	3.99	34.8		
1550	10.34	8.1	4.95	22.15	0.914	3.97	35.5		

Depth to Water after sample collection: 10.34 Total Gallons Purged: 8.2

Date/Time Sample Collection 6/29/15 1555

Parameter Standards:
pH +/- 0.1, +/-3% conductivity, +/-10mv for Redox potential, and +/-%10 for turbidity or DO.
Turbidity range (<5/=) NTU, if turbidity exceeds 5 NTUs: sample must be filtered for metals
water level drawdown in the well not to exceed 0.2 ft.

APPENDIX V
Laboratory Analytical Reports

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

July 08, 2015

Mark D. Mitchell
Genesis Project, Inc.
1258 Concord Rd. SE
Smyrna GA 30016

TEL: (770) 319-7217
FAX: (770) 319-7219

RE: Vogue Cleaners

Dear Mark D. Mitchell: Order No: 1506U17

Analytical Environmental Services, Inc. received 4 samples on 6/30/2015 10:50:00 AM 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' certifications are as follows:
-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/15-06/30/16.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 09/01/15.

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.

Dorothy deBruyn
Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Drive, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1506U17

Date: 6/30/15 Page 1 of 1

COMPANY:	ADDRESS:
Genesis Project Inc	1258 Concord Rd Smyrna GA 30080
PHONE: 770 319 7217	FAX: 770 319 7219
SAMPLED BY: Will Mitchell	SIGNATURE:

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	Total VOCs	No # of Containers
1	MW-8R	6/29/15	1555	X		GW	X	2
2	MW-2R	"	1700	"		"	"	"
3	POD-1	"	1856	"		"	"	"
4	MW-5	6/29/15	2020	X		GW	X	2
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								

ANALYSIS REQUESTED

PRESERVATION (See codes): HCl

REMARKS

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

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1:	6/30/15 1050	1:	6/30/15
2:		2:	10:50
3:		3:	

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
CLIENT FedEx UPS MAIL COURIER
GREYHOUND OTHER

PROJECT INFORMATION
PROJECT NAME: Vogue
PROJECT #:
SITE ADDRESS:
SEND REPORT TO: mmitchell@genesisproject.com
INVOICE TO:
(IF DIFFERENT FROM ABOVE)
QUOTE #: PO#:

RECEIPT
Total # of Containers: 8

Turnaround Time 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? 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

Analytical Environmental Services, Inc **Date:** 8-Jul-15

Client:	Genesis Project, Inc.	**Client Sample ID:**	MW-8R
Project Name:	Vogue Cleaners	**Collection Date:**	6/29/2015 3:55:00 PM
Lab ID:	1506U17-001	**Matrix:**	Groundwater

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	209810	1	07/07/2015 07:22	MD
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	209810	1	07/07/2015 07:22	MD
1,1,2-Trichloroethane	BRL	5.0		ug/L	209810	1	07/07/2015 07:22	MD
1,1-Dichloroethane	BRL	5.0		ug/L	209810	1	07/07/2015 07:22	MD
1,1-Dichloroethene	BRL	5.0		ug/L	209810	1	07/07/2015 07:22	MD
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	209810	1	07/07/2015 07:22	MD
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	209810	1	07/07/2015 07:22	MD
1,2-Dibromoethane	BRL	5.0		ug/L	209810	1	07/07/2015 07:22	MD
1,2-Dichlorobenzene	BRL	5.0		ug/L	209810	1	07/07/2015 07:22	MD
1,2-Dichloroethane	BRL	5.0		ug/L	209810	1	07/07/2015 07:22	MD
1,2-Dichloropropane	BRL	5.0		ug/L	209810	1	07/07/2015 07:22	MD
1,3-Dichlorobenzene	BRL	5.0		ug/L	209810	1	07/07/2015 07:22	MD
1,4-Dichlorobenzene	BRL	5.0		ug/L	209810	1	07/07/2015 07:22	MD
2-Butanone	BRL	50		ug/L	209810	1	07/07/2015 07:22	MD
2-Hexanone	BRL	10		ug/L	209810	1	07/07/2015 07:22	MD
4-Methyl-2-pentanone	BRL	10		ug/L	209810	1	07/07/2015 07:22	MD
Acetone	BRL	50		ug/L	209810	1	07/07/2015 07:22	MD
Benzene	BRL	5.0		ug/L	209810	1	07/07/2015 07:22	MD
Bromodichloromethane	BRL	5.0		ug/L	209810	1	07/07/2015 07:22	MD
Bromoform	BRL	5.0		ug/L	209810	1	07/07/2015 07:22	MD
Bromomethane	BRL	5.0		ug/L	209810	1	07/07/2015 07:22	MD
Carbon disulfide	BRL	5.0		ug/L	209810	1	07/07/2015 07:22	MD
Carbon tetrachloride	BRL	5.0		ug/L	209810	1	07/07/2015 07:22	MD
Chlorobenzene	BRL	5.0		ug/L	209810	1	07/07/2015 07:22	MD
Chloroethane	BRL	10		ug/L	209810	1	07/07/2015 07:22	MD
Chloroform	BRL	5.0		ug/L	209810	1	07/07/2015 07:22	MD
Chloromethane	BRL	10		ug/L	209810	1	07/07/2015 07:22	MD
cis-1,2-Dichloroethene	960	50		ug/L	209810	10	07/07/2015 07:46	MD
cis-1,3-Dichloropropene	BRL	5.0		ug/L	209810	1	07/07/2015 07:22	MD
Cyclohexane	BRL	5.0		ug/L	209810	1	07/07/2015 07:22	MD
Dibromochloromethane	BRL	5.0		ug/L	209810	1	07/07/2015 07:22	MD
Dichlorodifluoromethane	BRL	10		ug/L	209810	1	07/07/2015 07:22	MD
Ethylbenzene	BRL	5.0		ug/L	209810	1	07/07/2015 07:22	MD
Freon-113	BRL	10		ug/L	209810	1	07/07/2015 07:22	MD
Isopropylbenzene	BRL	5.0		ug/L	209810	1	07/07/2015 07:22	MD
m,p-Xylene	BRL	5.0		ug/L	209810	1	07/07/2015 07:22	MD
Methyl acetate	BRL	5.0		ug/L	209810	1	07/07/2015 07:22	MD
Methyl tert-butyl ether	BRL	5.0		ug/L	209810	1	07/07/2015 07:22	MD
Methylcyclohexane	BRL	5.0		ug/L	209810	1	07/07/2015 07:22	MD
Methylene chloride	BRL	5.0		ug/L	209810	1	07/07/2015 07:22	MD
o-Xylene	BRL	5.0		ug/L	209810	1	07/07/2015 07:22	MD

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:** 8-Jul-15

Client:	Genesis Project, Inc.	**Client Sample ID:**	MW-8R
Project Name:	Vogue Cleaners	**Collection Date:**	6/29/2015 3:55:00 PM
Lab ID:	1506U17-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	209810	1	07/07/2015 07:22	MD
Tetrachloroethene	6500	500		ug/L	209810	100	07/07/2015 13:47	CH
Toluene	BRL	5.0		ug/L	209810	1	07/07/2015 07:22	MD
trans-1,2-Dichloroethene	160	5.0		ug/L	209810	1	07/07/2015 07:22	MD
trans-1,3-Dichloropropene	BRL	5.0		ug/L	209810	1	07/07/2015 07:22	MD
Trichloroethene	1400	50		ug/L	209810	10	07/07/2015 07:46	MD
Trichlorofluoromethane	BRL	5.0		ug/L	209810	1	07/07/2015 07:22	MD
Vinyl chloride	BRL	2.0		ug/L	209810	1	07/07/2015 07:22	MD
Surr: 4-Bromofluorobenzene	90.7	70.6-123		%REC	209810	10	07/07/2015 07:46	MD
Surr: 4-Bromofluorobenzene	91.2	70.6-123		%REC	209810	100	07/07/2015 13:47	CH
Surr: 4-Bromofluorobenzene	93.4	70.6-123		%REC	209810	1	07/07/2015 07:22	MD
Surr: Dibromofluoromethane	95	78.7-124		%REC	209810	100	07/07/2015 13:47	CH
Surr: Dibromofluoromethane	99.3	78.7-124		%REC	209810	10	07/07/2015 07:46	MD
Surr: Dibromofluoromethane	105	78.7-124		%REC	209810	1	07/07/2015 07:22	MD
Surr: Toluene-d8	100	81.3-120		%REC	209810	100	07/07/2015 13:47	CH
Surr: Toluene-d8	104	81.3-120		%REC	209810	1	07/07/2015 07:22	MD
Surr: Toluene-d8	104	81.3-120		%REC	209810	10	07/07/2015 07:46	MD

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:** 8-Jul-15

Client:	Genesis Project, Inc.	**Client Sample ID:**	MW-2R
Project Name:	Vogue Cleaners	**Collection Date:**	6/29/2015 5:00:00 PM
Lab ID:	1506U17-002	**Matrix:**	Groundwater

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	209810	1	07/07/2015 17:11	TH
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	209810	1	07/07/2015 17:11	TH
1,1,2-Trichloroethane	BRL	5.0		ug/L	209810	1	07/07/2015 17:11	TH
1,1-Dichloroethane	BRL	5.0		ug/L	209810	1	07/07/2015 17:11	TH
1,1-Dichloroethene	BRL	5.0		ug/L	209810	1	07/07/2015 17:11	TH
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	209810	1	07/07/2015 17:11	TH
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	209810	1	07/07/2015 17:11	TH
1,2-Dibromoethane	BRL	5.0		ug/L	209810	1	07/07/2015 17:11	TH
1,2-Dichlorobenzene	BRL	5.0		ug/L	209810	1	07/07/2015 17:11	TH
1,2-Dichloroethane	BRL	5.0		ug/L	209810	1	07/07/2015 17:11	TH
1,2-Dichloropropane	BRL	5.0		ug/L	209810	1	07/07/2015 17:11	TH
1,3-Dichlorobenzene	BRL	5.0		ug/L	209810	1	07/07/2015 17:11	TH
1,4-Dichlorobenzene	BRL	5.0		ug/L	209810	1	07/07/2015 17:11	TH
2-Butanone	BRL	50		ug/L	209810	1	07/07/2015 17:11	TH
2-Hexanone	BRL	10		ug/L	209810	1	07/07/2015 17:11	TH
4-Methyl-2-pentanone	BRL	10		ug/L	209810	1	07/07/2015 17:11	TH
Acetone	BRL	50		ug/L	209810	1	07/07/2015 17:11	TH
Benzene	BRL	5.0		ug/L	209810	1	07/07/2015 17:11	TH
Bromodichloromethane	BRL	5.0		ug/L	209810	1	07/07/2015 17:11	TH
Bromoform	BRL	5.0		ug/L	209810	1	07/07/2015 17:11	TH
Bromomethane	BRL	5.0		ug/L	209810	1	07/07/2015 17:11	TH
Carbon disulfide	BRL	5.0		ug/L	209810	1	07/07/2015 17:11	TH
Carbon tetrachloride	BRL	5.0		ug/L	209810	1	07/07/2015 17:11	TH
Chlorobenzene	BRL	5.0		ug/L	209810	1	07/07/2015 17:11	TH
Chloroethane	BRL	10		ug/L	209810	1	07/07/2015 17:11	TH
Chloroform	BRL	5.0		ug/L	209810	1	07/07/2015 17:11	TH
Chloromethane	BRL	10		ug/L	209810	1	07/07/2015 17:11	TH
cis-1,2-Dichloroethene	65	5.0		ug/L	209810	1	07/07/2015 17:11	TH
cis-1,3-Dichloropropene	BRL	5.0		ug/L	209810	1	07/07/2015 17:11	TH
Cyclohexane	BRL	5.0		ug/L	209810	1	07/07/2015 17:11	TH
Dibromochloromethane	BRL	5.0		ug/L	209810	1	07/07/2015 17:11	TH
Dichlorodifluoromethane	BRL	10		ug/L	209810	1	07/07/2015 17:11	TH
Ethylbenzene	BRL	5.0		ug/L	209810	1	07/07/2015 17:11	TH
Freon-113	BRL	10		ug/L	209810	1	07/07/2015 17:11	TH
Isopropylbenzene	BRL	5.0		ug/L	209810	1	07/07/2015 17:11	TH
m,p-Xylene	BRL	5.0		ug/L	209810	1	07/07/2015 17:11	TH
Methyl acetate	BRL	5.0		ug/L	209810	1	07/07/2015 17:11	TH
Methyl tert-butyl ether	BRL	5.0		ug/L	209810	1	07/07/2015 17:11	TH
Methylcyclohexane	BRL	5.0		ug/L	209810	1	07/07/2015 17:11	TH
Methylene chloride	BRL	5.0		ug/L	209810	1	07/07/2015 17:11	TH
o-Xylene	BRL	5.0		ug/L	209810	1	07/07/2015 17:11	TH

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:** 8-Jul-15

Client:	Genesis Project, Inc.	**Client Sample ID:**	MW-2R
Project Name:	Vogue Cleaners	**Collection Date:**	6/29/2015 5:00:00 PM
Lab ID:	1506U17-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	209810	1	07/07/2015 17:11	TH
Tetrachloroethene	180	5.0		ug/L	209810	1	07/07/2015 17:11	TH
Toluene	BRL	5.0		ug/L	209810	1	07/07/2015 17:11	TH
trans-1,2-Dichloroethene	BRL	5.0		ug/L	209810	1	07/07/2015 17:11	TH
trans-1,3-Dichloropropene	BRL	5.0		ug/L	209810	1	07/07/2015 17:11	TH
Trichloroethene	34	5.0		ug/L	209810	1	07/07/2015 17:11	TH
Trichlorofluoromethane	BRL	5.0		ug/L	209810	1	07/07/2015 17:11	TH
Vinyl chloride	BRL	2.0		ug/L	209810	1	07/07/2015 17:11	TH
Surr: 4-Bromofluorobenzene	94.2	70.6-123		%REC	209810	1	07/07/2015 17:11	TH
Surr: Dibromofluoromethane	114	78.7-124		%REC	209810	1	07/07/2015 17:11	TH
Surr: Toluene-d8	103	81.3-120		%REC	209810	1	07/07/2015 17:11	TH

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:** 8-Jul-15

Client:	Genesis Project, Inc.	**Client Sample ID:**	POD-1
Project Name:	Vogue Cleaners	**Collection Date:**	6/29/2015 6:50:00 PM
Lab ID:	1506U17-003	**Matrix:**	Groundwater

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	209810	1	07/07/2015 17:36	TH
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	209810	1	07/07/2015 17:36	TH
1,1,2-Trichloroethane	BRL	5.0		ug/L	209810	1	07/07/2015 17:36	TH
1,1-Dichloroethane	BRL	5.0		ug/L	209810	1	07/07/2015 17:36	TH
1,1-Dichloroethene	BRL	5.0		ug/L	209810	1	07/07/2015 17:36	TH
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	209810	1	07/07/2015 17:36	TH
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	209810	1	07/07/2015 17:36	TH
1,2-Dibromoethane	BRL	5.0		ug/L	209810	1	07/07/2015 17:36	TH
1,2-Dichlorobenzene	BRL	5.0		ug/L	209810	1	07/07/2015 17:36	TH
1,2-Dichloroethane	BRL	5.0		ug/L	209810	1	07/07/2015 17:36	TH
1,2-Dichloropropane	BRL	5.0		ug/L	209810	1	07/07/2015 17:36	TH
1,3-Dichlorobenzene	BRL	5.0		ug/L	209810	1	07/07/2015 17:36	TH
1,4-Dichlorobenzene	BRL	5.0		ug/L	209810	1	07/07/2015 17:36	TH
2-Butanone	BRL	50		ug/L	209810	1	07/07/2015 17:36	TH
2-Hexanone	BRL	10		ug/L	209810	1	07/07/2015 17:36	TH
4-Methyl-2-pentanone	BRL	10		ug/L	209810	1	07/07/2015 17:36	TH
Acetone	BRL	50		ug/L	209810	1	07/07/2015 17:36	TH
Benzene	BRL	5.0		ug/L	209810	1	07/07/2015 17:36	TH
Bromodichloromethane	BRL	5.0		ug/L	209810	1	07/07/2015 17:36	TH
Bromoform	BRL	5.0		ug/L	209810	1	07/07/2015 17:36	TH
Bromomethane	BRL	5.0		ug/L	209810	1	07/07/2015 17:36	TH
Carbon disulfide	BRL	5.0		ug/L	209810	1	07/07/2015 17:36	TH
Carbon tetrachloride	BRL	5.0		ug/L	209810	1	07/07/2015 17:36	TH
Chlorobenzene	BRL	5.0		ug/L	209810	1	07/07/2015 17:36	TH
Chloroethane	BRL	10		ug/L	209810	1	07/07/2015 17:36	TH
Chloroform	BRL	5.0		ug/L	209810	1	07/07/2015 17:36	TH
Chloromethane	BRL	10		ug/L	209810	1	07/07/2015 17:36	TH
cis-1,2-Dichloroethene	BRL	5.0		ug/L	209810	1	07/07/2015 17:36	TH
cis-1,3-Dichloropropene	BRL	5.0		ug/L	209810	1	07/07/2015 17:36	TH
Cyclohexane	BRL	5.0		ug/L	209810	1	07/07/2015 17:36	TH
Dibromochloromethane	BRL	5.0		ug/L	209810	1	07/07/2015 17:36	TH
Dichlorodifluoromethane	BRL	10		ug/L	209810	1	07/07/2015 17:36	TH
Ethylbenzene	BRL	5.0		ug/L	209810	1	07/07/2015 17:36	TH
Freon-113	BRL	10		ug/L	209810	1	07/07/2015 17:36	TH
Isopropylbenzene	BRL	5.0		ug/L	209810	1	07/07/2015 17:36	TH
m,p-Xylene	BRL	5.0		ug/L	209810	1	07/07/2015 17:36	TH
Methyl acetate	BRL	5.0		ug/L	209810	1	07/07/2015 17:36	TH
Methyl tert-butyl ether	BRL	5.0		ug/L	209810	1	07/07/2015 17:36	TH
Methylcyclohexane	BRL	5.0		ug/L	209810	1	07/07/2015 17:36	TH
Methylene chloride	BRL	5.0		ug/L	209810	1	07/07/2015 17:36	TH
o-Xylene	BRL	5.0		ug/L	209810	1	07/07/2015 17:36	TH

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:** 8-Jul-15

Client:	Genesis Project, Inc.	**Client Sample ID:**	POD-1
Project Name:	Vogue Cleaners	**Collection Date:**	6/29/2015 6:50:00 PM
Lab ID:	1506U17-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	209810	1	07/07/2015 17:36	TH
Tetrachloroethene	BRL	5.0		ug/L	209810	1	07/07/2015 17:36	TH
Toluene	BRL	5.0		ug/L	209810	1	07/07/2015 17:36	TH
trans-1,2-Dichloroethene	BRL	5.0		ug/L	209810	1	07/07/2015 17:36	TH
trans-1,3-Dichloropropene	BRL	5.0		ug/L	209810	1	07/07/2015 17:36	TH
Trichloroethene	BRL	5.0		ug/L	209810	1	07/07/2015 17:36	TH
Trichlorofluoromethane	BRL	5.0		ug/L	209810	1	07/07/2015 17:36	TH
Vinyl chloride	BRL	2.0		ug/L	209810	1	07/07/2015 17:36	TH
Surr: 4-Bromofluorobenzene	93.1	70.6-123		%REC	209810	1	07/07/2015 17:36	TH
Surr: Dibromofluoromethane	112	78.7-124		%REC	209810	1	07/07/2015 17:36	TH
Surr: Toluene-d8	84.7	81.3-120		%REC	209810	1	07/07/2015 17:36	TH

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:** 8-Jul-15

Client:	Genesis Project, Inc.	**Client Sample ID:**	MW-5
Project Name:	Vogue Cleaners	**Collection Date:**	6/29/2015 10:20:00 PM
Lab ID:	1506U17-004	**Matrix:**	Groundwater

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	209810	1	07/07/2015 18:00	TH
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	209810	1	07/07/2015 18:00	TH
1,1,2-Trichloroethane	BRL	5.0		ug/L	209810	1	07/07/2015 18:00	TH
1,1-Dichloroethane	BRL	5.0		ug/L	209810	1	07/07/2015 18:00	TH
1,1-Dichloroethene	BRL	5.0		ug/L	209810	1	07/07/2015 18:00	TH
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	209810	1	07/07/2015 18:00	TH
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	209810	1	07/07/2015 18:00	TH
1,2-Dibromoethane	BRL	5.0		ug/L	209810	1	07/07/2015 18:00	TH
1,2-Dichlorobenzene	BRL	5.0		ug/L	209810	1	07/07/2015 18:00	TH
1,2-Dichloroethane	BRL	5.0		ug/L	209810	1	07/07/2015 18:00	TH
1,2-Dichloropropane	BRL	5.0		ug/L	209810	1	07/07/2015 18:00	TH
1,3-Dichlorobenzene	BRL	5.0		ug/L	209810	1	07/07/2015 18:00	TH
1,4-Dichlorobenzene	BRL	5.0		ug/L	209810	1	07/07/2015 18:00	TH
2-Butanone	BRL	50		ug/L	209810	1	07/07/2015 18:00	TH
2-Hexanone	BRL	10		ug/L	209810	1	07/07/2015 18:00	TH
4-Methyl-2-pentanone	BRL	10		ug/L	209810	1	07/07/2015 18:00	TH
Acetone	BRL	50		ug/L	209810	1	07/07/2015 18:00	TH
Benzene	BRL	5.0		ug/L	209810	1	07/07/2015 18:00	TH
Bromodichloromethane	BRL	5.0		ug/L	209810	1	07/07/2015 18:00	TH
Bromoform	BRL	5.0		ug/L	209810	1	07/07/2015 18:00	TH
Bromomethane	BRL	5.0		ug/L	209810	1	07/07/2015 18:00	TH
Carbon disulfide	BRL	5.0		ug/L	209810	1	07/07/2015 18:00	TH
Carbon tetrachloride	BRL	5.0		ug/L	209810	1	07/07/2015 18:00	TH
Chlorobenzene	BRL	5.0		ug/L	209810	1	07/07/2015 18:00	TH
Chloroethane	BRL	10		ug/L	209810	1	07/07/2015 18:00	TH
Chloroform	BRL	5.0		ug/L	209810	1	07/07/2015 18:00	TH
Chloromethane	BRL	10		ug/L	209810	1	07/07/2015 18:00	TH
cis-1,2-Dichloroethene	BRL	5.0		ug/L	209810	1	07/07/2015 18:00	TH
cis-1,3-Dichloropropene	BRL	5.0		ug/L	209810	1	07/07/2015 18:00	TH
Cyclohexane	BRL	5.0		ug/L	209810	1	07/07/2015 18:00	TH
Dibromochloromethane	BRL	5.0		ug/L	209810	1	07/07/2015 18:00	TH
Dichlorodifluoromethane	BRL	10		ug/L	209810	1	07/07/2015 18:00	TH
Ethylbenzene	BRL	5.0		ug/L	209810	1	07/07/2015 18:00	TH
Freon-113	BRL	10		ug/L	209810	1	07/07/2015 18:00	TH
Isopropylbenzene	BRL	5.0		ug/L	209810	1	07/07/2015 18:00	TH
m,p-Xylene	BRL	5.0		ug/L	209810	1	07/07/2015 18:00	TH
Methyl acetate	BRL	5.0		ug/L	209810	1	07/07/2015 18:00	TH
Methyl tert-butyl ether	BRL	5.0		ug/L	209810	1	07/07/2015 18:00	TH
Methylcyclohexane	BRL	5.0		ug/L	209810	1	07/07/2015 18:00	TH
Methylene chloride	BRL	5.0		ug/L	209810	1	07/07/2015 18:00	TH
o-Xylene	BRL	5.0		ug/L	209810	1	07/07/2015 18:00	TH

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:** 8-Jul-15

Client:	Genesis Project, Inc.	**Client Sample ID:**	MW-5
Project Name:	Vogue Cleaners	**Collection Date:**	6/29/2015 10:20:00 PM
Lab ID:	1506U17-004	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	209810	1	07/07/2015 18:00	TH
Tetrachloroethene	160	5.0		ug/L	209810	1	07/07/2015 18:00	TH
Toluene	BRL	5.0		ug/L	209810	1	07/07/2015 18:00	TH
trans-1,2-Dichloroethene	BRL	5.0		ug/L	209810	1	07/07/2015 18:00	TH
trans-1,3-Dichloropropene	BRL	5.0		ug/L	209810	1	07/07/2015 18:00	TH
Trichloroethene	BRL	5.0		ug/L	209810	1	07/07/2015 18:00	TH
Trichlorofluoromethane	BRL	5.0		ug/L	209810	1	07/07/2015 18:00	TH
Vinyl chloride	BRL	2.0		ug/L	209810	1	07/07/2015 18:00	TH
Surr: 4-Bromofluorobenzene	95.6	70.6-123		%REC	209810	1	07/07/2015 18:00	TH
Surr: Dibromofluoromethane	117	78.7-124		%REC	209810	1	07/07/2015 18:00	TH
Surr: Toluene-d8	97.4	81.3-120		%REC	209810	1	07/07/2015 18:00	TH

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.

Sample/Cooler Receipt Checklist

Client Genesis Project Work Order Number 1506U17

Checklist completed by [signature] 6/30/15
Signature Date

Carrier name: FedEx __ UPS __ Courier __ Client ✓ US Mail __ Other _____

Shipping container/cooler in good condition?	Yes ✓	No __	Not Present __
Custody seals intact on shipping container/cooler?	Yes __	No __	Not Present ✓
Custody seals intact on sample bottles?	Yes __	No __	Not Present ✓
Container/Temp Blank temperature in compliance? (0°≤6°C)*	Yes ✓	No __	

Cooler #1 3.4°C Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present?	Yes ✓	No __
Chain of custody signed when relinquished and received?	Yes ✓	No __
Chain of custody agrees with sample labels?	Yes ✓	No __
Samples in proper container/bottle?	Yes ✓	No __
Sample containers intact?	Yes ✓	No __
Sufficient sample volume for indicated test?	Yes ✓	No __
All samples received within holding time?	Yes ✓	No __
Was TAT marked on the COC?	Yes ✓	No __
Proceed with Standard TAT as per project history?	Yes __	No __ Not Applicable ✓
Water - VOA vials have zero headspace?	No VOA vials submitted __	Yes ✓ No __
Water - pH acceptable upon receipt?	Yes ✓	No __ Not Applicable __

Adjusted? _____ Checked by _____

Sample Condition: Good ✓ Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes __ No ✓

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

\\Aes_server\I\Sample Receipt\My Documents\COCs and pH Adjustment Sheet\Sample_Cooler_Recipt_Checklist_Rev1.rtf

Client: Genesis Project, Inc.
Project Name: Vogue Cleaners
Workorder: 1506U17

ANALYTICAL QC SUMMARY REPORT

BatchID: 209810

Sample ID: **MB-209810**	Client ID:		Units: **ug/L**	Prep Date: **07/06/2015**	Run No: **295399**
SampleType: **MBLK**	TestCode: **TCL VOLATILE ORGANICS SW8260B**		BatchID: **209810**	Analysis Date: **07/06/2015**	Seq No: **6298301**

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: Genesis Project, Inc.
Project Name: Vogue Cleaners
Workorder: 1506U17

ANALYTICAL QC SUMMARY REPORT

BatchID: 209810

Sample ID: **MB-209810**	Client ID:		Units: **ug/L**	Prep Date: **07/06/2015**	Run No: **295399**
SampleType: **MBLK**	TestCode: **TCL VOLATILE ORGANICS SW8260B**		BatchID: **209810**	Analysis Date: **07/06/2015**	Seq No: **6298301**

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	46.24	0	50.00		92.5	70.6	123				
Surr: Dibromofluoromethane	46.32	0	50.00		92.6	78.7	124				
Surr: Toluene-d8	50.18	0	50.00		100	81.3	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: Genesis Project, Inc.
Project Name: Vogue Cleaners
Workorder: 1506U17

ANALYTICAL QC SUMMARY REPORT

BatchID: 209810

Sample ID: **LCS-209810** Client ID: Units: **ug/L** Prep Date: **07/06/2015** Run No: **295399**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **209810** Analysis Date: **07/06/2015** Seq No: **6298300**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	62.28	5.0	50.00		125	64.2	137				
Benzene	53.14	5.0	50.00		106	72.8	128				
Chlorobenzene	42.25	5.0	50.00		84.5	72.3	126				
Toluene	54.40	5.0	50.00		109	74.9	127				
Trichloroethene	51.46	5.0	50.00		103	70.5	134				
Surr: 4-Bromofluorobenzene	48.37	0	50.00		96.7	70.6	123				
Surr: Dibromofluoromethane	46.89	0	50.00		93.8	78.7	124				
Surr: Toluene-d8	52.32	0	50.00		105	81.3	120				

Sample ID: **1506U17-001AMS** Client ID: **MW-8R** Units: **ug/L** Prep Date: **07/06/2015** Run No: **295399**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **209810** Analysis Date: **07/07/2015** Seq No: **6298996**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	703.4	50	500.0		141	60.5	156				
Benzene	580.6	50	500.0		116	70	135				
Chlorobenzene	444.6	50	500.0		88.9	70.5	132				
Toluene	594.1	50	500.0		119	70.5	137				
Trichloroethene	1968	50	500.0	1378	118	71.8	139				
Surr: 4-Bromofluorobenzene	444.6	0	500.0		88.9	70.6	123				
Surr: Dibromofluoromethane	477.3	0	500.0		95.5	78.7	124				
Surr: Toluene-d8	524.8	0	500.0		105	81.3	120				

Sample ID: **1506U17-001AMSD** Client ID: **MW-8R** Units: **ug/L** Prep Date: **07/06/2015** Run No: **295399**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **209810** Analysis Date: **07/07/2015** Seq No: **6298997**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	615.6	50	500.0		123	60.5	156	703.4	13.3	20	
Benzene	548.5	50	500.0		110	70	135	580.6	5.69	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: Genesis Project, Inc.
Project Name: Vogue Cleaners
Workorder: 1506U17

ANALYTICAL QC SUMMARY REPORT

BatchID: 209810

Sample ID: **1506U17-001AMSD** Client ID: **MW-8R** Units: **ug/L** Prep Date: **07/06/2015** Run No: **295399**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **209810** Analysis Date: **07/07/2015** Seq No: **6298997**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	415.1	50	500.0		83.0	70.5	132	444.6	6.86	20	
Toluene	551.0	50	500.0		110	70.5	137	594.1	7.53	20	
Trichloroethene	1834	50	500.0	1378	91.2	71.8	139	1968	7.02	20	
Surr: 4-Bromofluorobenzene	459.0	0	500.0		91.8	70.6	123	444.6	0	0	
Surr: Dibromofluoromethane	490.2	0	500.0		98.0	78.7	124	477.3	0	0	
Surr: Toluene-d8	540.6	0	500.0		108	81.3	120	524.8	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 VI
Milestone Schedule
Monthly Service Hours

Milestone Schedule
Voluntary Remediation Program
Former Vogue Cleaners
Martinez, Atlanta, Georgia
HSI No. 10394

Item	Months From Project Start											
	1	2	3	4	5	6	7	8	9	10	11	12
Task 5a: On-site Horizontal Delineation(as needed)												
Soil Clean-up Confirmatory Sampling												
Final Receptor Survey												
Task 5b: Off-site Horizontal Delineation (as needed)												
Exposure Pathways Analysis												
Calculate RRSs												
Task 5c: Vertical Delineation (as needed)												
Finalize Remediation Plan												
Preliminary Cost Estimate												
Task 5d: Compliance Status Report												

Task Completed

Milestone Schedule
Voluntary Remediation Program
Former Vogue Cleaners
Martinez, Atlanta, Georgia
HSI No. 10394

Item	Months From Project Start											
	13	14	15	16	17	18	19	20	21	22	23	24
Task 5a: On-site Horizontal Delineation(as needed) Soil Clean-up Confirmatory Sampling Final Receptor Survey												
Task 5b: Off-site Horizontal Delineation (as needed) Exposure Pathways Analysis Calculate RRSs												
Task 5c: Vertical Delineation (as needed) Finalize Remediation Plan Preliminary Cost Estimate												
Task 5d: Compliance Status Report												

Task Completed

Milestone Schedule
Voluntary Remediation Program
Former Vogue Cleaners
Martinez, Atlanta, Georgia
HSI No. 10394

Item	Months From Project Start											
	25	26	27	28	29	30	31	32	33	34	35	36
Task 5a: On-site Horizontal Delineation(as needed) Soil Clean-up Confirmatory Sampling Final Receptor Survey												
Task 5b: Off-site Horizontal Delineation (as needed) Exposure Pathways Analysis Calculate RRSs												
Task 5c: Vertical Delineation (as needed) Finalize Remediation Plan Preliminary Cost Estimate												
Task 5d: Compliance Status Report												

Task Completed

Milestone Schedule
Voluntary Remediation Program
Former Vogue Cleaners
Martinez, Atlanta, Georgia
HSI No. 10394

Item	Months From Project Start													
	37	38	39	40	41	42	43	44	45	46	47	48	49	50
Task 5a: On-site Horizontal Delineation(as needed) Soil Clean-up Confirmatory Sampling Final Receptor Survey														
Task 5b: Off-site Horizontal Delineation (as needed) Exposure Pathways Analysis Calculate RRSs														
Task 5c: Vertical Delineation (as needed) Finalize Remediation Plan Preliminary Cost Estimate														
Task 5d: Compliance Status Report														

Task Completed

Monthly Service Hours Detail

Month	Task	Hours
June	GW Sampling	18.0
	Abatement Activities	32.5
	Total	**50.5**
July	Semi-Annual Report	5
	Total	**5**
August	Semi-Annual Report	23
	Total	**23**
	GRAND TOTAL	**78.5**