Genesis Project, Inc.
ENVIRONMENTAL SERVICES

July 31, 2018

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

RE: July 2018 Progress Report
Former Vogue Cleaners
Columbia Square Shopping Center
Martinez, Columbia County, Georgia
HSI No. 10394

Dear Mr. Hayes,

Enclosed please find an original and two (2) CDs of the July 2018 Progress Report for the Former Vogue Cleaners located in Martinez, Columbia County, Georgia. This Progress Report presents the data collected during the period between January 2018 to July 2018 and addresses the State of Georgia, Environmental Protection Division June 4, 2018 comments to the December 2017 Progress Report. If you have any questions regarding this information, please contact our office at (770) 319-7217.

Sincerely,
Genesis Project, Inc.

Mark D. Mitchell, P.G.
Principal

cc: Preston McFarland, Quadrant Real Estate Advisors

Georgia Environmental Protection Division
Land Protection Branch
Response and Remediation Program
Response Development Units 1 – 3

2 Martin Luther King Jr. Dr. SE
Suite 1054 East Tower
Atlanta, Georgia 30334
Phone: 404-657-8600

Document Submittal Form

Instructions: This form should be completed and included with any document submitted to the Response and Remediation Program, Response Development Units 1 – 3, that is greater than 25 pages in length or that contains paper sizes larger than 11"x17". This includes Release Notifications and documents related to Hazardous Site Inventory and Voluntary Remediation Program sites. Contact Brownfield Unit staff for Brownfield submittal guidelines. Your cooperation helps to ensure that documents are filed correctly, completely, and efficiently.

Name of Document:	July 2018 Progress Report
Date of Document:	July 31, 2018
Site Name:	Former Vogue Cleaners
Site ID Number:	HSI No. 10394

Document Submittal Checklist. Please certify that the submittal includes the following by checking each box as appropriate. Items 1 – 3 should be checked / included / certified for each submittal:

☒ 1. One paper copy of the document (double-sided is preferred)

☒ 2. Two compact discs (CDs), each containing an electronic copy of the document as a single, searchable, Portable Document Format (PDF) file. Only one CD is needed for Release Notifications. CDs should be labeled at a minimum with the following: 1) Name of Document, 2) Date of Document, 3) Site Name, and 4) Site Number. Any scanned images should have a resolution of at least 300 dpi and should be in color if applicable.

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- ☐ laboratory data sheets
- ☐ manifests
- ☐ other: Click here to enter text. Enter "NA" if not applicable.

I certify that the information I am submitting is, to the best of my knowledge and belief, true, accurate, and complete.

Signature: 

Name (printed): Mark D. Mitchell, P.G.

Date: 7/31/2018

Organization: Genesis Project, Inc

Phone: 770-319-7217

Email: mmitchell@genproject.com

Receipt Date
(for EPD use only)

July 2018 Progress Report
Former Vogue Cleaners
Columbia Square Shopping Center
Martinez, Columbia County, Georgia
HSI No. 10394/VRP No. 828567877

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
(FKA The Equitable Life Assurance Society of the United States)
c/o Quadrant Real Estate Advisors
12735 Morris Road, Suite 100
Alpharetta, GA 30004

Prepared by

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

July 31, 2018

Genesis Project, Inc.

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TECHNICAL CERTIFICATION

I certify that I am a qualified environmental professional who has received a baccalaureate or post-graduate degree in the natural sciences or engineering and have sufficient training and experience in groundwater hydrology and related fields, as demonstrated by state registration and completion of accredited university courses, that enable me to make sound professional judgments regarding groundwater monitoring and contaminant fate and transport. I further certify that this report was prepared by me or by a subordinate working under my direction.

Name: Mark D. Mitchell, P.G.

Signature: _____

Date: July 31, 2018

Georgia Stamp or Seal

1.0 INTRODUCTION

Genesis Project, Inc. has prepared this Progress Report consistent with the criteria set forth by the approved Voluntary Remediation Program (VRP) application for the former Vogue Cleaners site. This progress report presents the activities performed from January 2018 to July 2018.

1.1 Background

The former Vogue Cleaners was located in the Columbia Square Shopping Center – Phase II in Martinez, Columbia County, Georgia (Figure 1). The site was previously 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]), and subsequently approved into the Voluntary Remediation Program (VRP).

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

Remedial and site investigation activities have been ongoing at this site. These activities have included the implementation of soil remediation by excavation as well as active soil and groundwater remediation using chemical injection as well as air sparge and soil vapor extraction (SVE) via the use of ART™ remedial technology. A summary of these activities is as follows:

- **2000:** Williams Environmental Services initiated soil removal activities for the Former Vogue Cleaners facility. A total of 183.8 tons of soil and concrete were removed from areas within and around the former Vogue Cleaners facility.
- **2002 - 2006:** Two (2) firms, Williams Environmental Services and URS Corporation conducted corrective action activities, which included chemical injection of hydrogen release compound (HRCTM) into the subsurface. The activities included both a pilot test and implementation of full-scale injections.
- **2007 – 2012:** Genesis Project submitted a Corrective Action Plan Addendum for the implementation of ART™ Technology at the site. A soil vapor extraction system was installed within the building at the end of 2011. The ART™ / SVE system operated at the site until August 2013.
- **2011:** Genesis Project completed a sub-slab soil gas survey on the Property. The investigation included the installation of four (4) implants. Based on this evaluation

of sub-slab soil gas results, it was determined that calculated indoor air concentrations of each of the COCs would not exceed the target indoor air concentration presented in the EPAs VISL Calculator, and that vapor intrusion is an incomplete pathway.

- **2012-2013:** Genesis Project conducted investigations and interim corrective actions to address the increase in COCs in on-site monitor well MW-8R. An investigation included the completion of an exploratory excavation in the immediate vicinity of MW-8R to identify impacted soils, pipes, conduits or other potential features to that could possibly be a source of the increase. No features or impacted soils were identified during this process. Subsequent corrective action activities included two (2) enhanced fluid recovery events (EFR), and two (2) chemical injection events.
- **2014:** Genesis Project conducted additional interim corrective actions, which included the injection of the chemical PersulfOx^{TM}, an "in-situ" chemical oxidation reagent" (ISCO), into the water table to chemically oxidize the COCs.
- **2015:** Genesis Project conducted an interim corrective action, which included one (1) 24-hour EFR event in June 2015. Results of this event were presented in "Summary of Additional Voluntary Corrective Action Activity, September 21, 2015.
- **2016:** Genesis Project conducted interim corrective actions in the vicinity of one (1) monitoring well (MW-8R), which included the injection of the chemical PersulfOx^{TM}, into the water table to further chemically oxidize the COCs.

On October 25,2016, a Voluntary Remediation Program – Compliance Status Report (VRP-CSR) was submitted to GA EPD to certify compliance with site-specific clean-up criteria for soil and groundwater. On June 27, 2017, GA EPD provided comments to the October 25,2016, VRP-CSR.

On February 27, 2018, a December 2017 Progress Report was submitted to GA EPD to address those comments and present the most recent groundwater sampling results from 2017. On June 4, 2018, GA EPD provided comments to the December 2017 Progress Report. This progress report addresses those comments.

2.0 WORK PERFORMED DURING THIS MONITORING PERIOD

Activities completed during this period addressed certain of the comments in the GA EPD's June 4, 2018, letter.

2.1 Installation of Monitor Well MW-8S

A standard 2-inch monitor well, in the immediate vicinity of MW-8R, was installed and designated MW-8S. The purpose of this well is to have confidence that representative groundwater samples can be collected in the vicinity of recovery well MW-8R. This is based on the size of MW-8R (4-inch diameter well), and the consistently high turbidity readings. The new well (MW-8S) was placed within 2 feet of the original MW-8R and

be constructed with the same total depth and screen interval. The boring log for the new well is presented in APPENDIX III - Boring/ Monitor Well Construction Logs.

2.2 Installation of Additional Point of Demonstration (POD) Well

POD-2 well was installed on the Columbia Square Shopping Center property along a centerline between monitor well MW-8R and existing MW-5 (Figure 2). POD-2 was placed within 8 feet of the property boundary and was constructed with the same total depth and screen interval as monitor well MW-5. The boring log for the new well is presented in APPENDIX III - Boring/ Monitor Well Construction Logs.

2.3 Groundwater Sampling

On May 24 & 25 2018, groundwater samples were collected from each of the new monitor wells (MW-8S and POD-1), as well as monitor well MW-5 utilizing low-flow sampling techniques. Low-flow sampling techniques were 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 stabilized, groundwater samples were collected within the laboratory provided containers and placed in an ice-filled cooler and submitted to Analytical Environmental Services, AES for volatile organic compounds (VOCs) analysis via EPA method 8260B.

Based on the results of these initial samples, confirmation groundwater samples were collected from monitor well MW-8S and POD-2 on June 12, 2018. The samples were collected as described above.

3.0 REPORTING PERIOD RESULTS

3.1 Groundwater Flow

The general direction of groundwater flow remains primarily to the north-northeast, with a hydraulic gradient of ~0.004. Current potentiometric surface data is presented in Appendix I, Figure 2 and Appendix II, Table 1.

3.2 Groundwater Sampling Results

Laboratory analysis of the three (3)-groundwater samples indicated concentrations of dissolved COCs above the laboratory detection limit in monitor wells MW-5, MW-8S, and POD-2. A review of the most recent analytical data indicates an overall reduction of PCE in monitor well MW-5 since the last VRP-CSR groundwater sampling event (Table 2).

However, the initial results from new monitor well MW-8S were not consistent with previous sampling results from adjacent recovery well MW-8R and deemed an anomaly. Subsequent groundwater analysis results from resampling monitor well MW-8S on June 12, 2018 confirmed that the initial results reported for MW-8S were an error. The error is believed to have been due to a laboratory sample identification issue. As a result, future groundwater samples (*see* Section 4.3 below) will be submitted to another laboratory, TestAmerica Savannah, for the analysis of VOCs.

The most recent groundwater analytical data is presented in Appendix I, Figures 3. A summary of groundwater analytical data is provided in Appendix II, Table 2. A copy of all groundwater sample logs is provided in Appendix III. Laboratory analytical reports are provided in Appendix IV.

4.0 FUTURE SITE ACTIVITIES

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

4.1 Additional Voluntary Corrective Action – Enhanced Fluid Recovery (EFR)

As previously reported, a persistent source of COCs is not considered to be present at the former Vogue Cleaners. However, based upon fluctuating concentration of COCs in MW-8R, additional corrective action activity is panned. The technology that has been selected is Enhanced Fluid Recovery (EFR) due to its influence on the subsurface (>30 ft. radius) and amount of material recovered during past events, which events have lasted no longer than 24 hours. However, a new remediation firm, Cal-Clean (www.calclean.com), focuses on the completion of long-term events for a minimum of 30 days.

The completion of an additional EFR event is planned, but this time as an extended EFR event within monitor well MW-8R. The extended EFR event would extract impacted groundwater and soil vapor for a period of 30 days. During the event, routine monitoring reports of off-gases will be presented to demonstrate that groundwater impacts have been reduced over time. Based on the results of the off-gas monitoring, the 30-day period may be reduced or extended as determined appropriate.

As described below, a comprehensive groundwater monitoring event and soil sub-slab soil gas sampling will be conducted after completion of the additional voluntary corrective action.

4.2 Abandonment of MW-12D and MW-8R

Consistent with GA EPD's comments to the December 2017 VRP Progress Report, monitor well MW-12D and recovery well MW-8R, will be property abandoned in accordance with EPA guidance SESDGUID-101-RJ Design and Installation of Monitoring Wells, effective January 29, 2013. If possible, over-drilling and removal of the well casing and filter pack will take place, followed by pressure-grouting of the borehole. Abandonment is planned after completion of the above-described additional voluntary corrective action (anticipated in October 2018).

4.3 Groundwater Monitoring Event

Another comprehensive groundwater monitoring event will be conducted after completion of the above-described additional voluntary corrective action (anticipated in October 2018). Groundwater samples will be collected from the groundwater monitoring wells MW-8S, MW-1, MW-4, MW-2R, MW-22, MW-5, POD-1, POD-2 and MW-6 (where possible). The samples will be collected using low-flow sampling techniques and submitted to TestAmerica Savannah for the analysis of volatile organic compounds (VOCs) via EPA Method 8260.

4.4 Sub-Slab Soil Gas Sampling

Consistent with GA EPD's comments to the December 2017 VRP Progress Report, another sub-slab soil gas sampling will be completed in the location of the former Vogue Cleaners. The purpose of this sampling is to confirm the results of the initial sub-slab vapor sampling.

A total of three (3) sub-slab soil vapor implants will be installed in the interior of the former Vogue Cleaners. The three (3) sub-slab vapor probes will be installed in the same areas as completed in the original study. A rotatory hammer drill was used to create a small diameter hole through the concrete and into the sub-slab material. The open cavity created by the drilling process will be filled with sand to prevent obstruction of probes by the external material. A quick drying Portland cement will be used to ensure a tight seal into the annular space between the probe and outside of the hole.

The sub-slab samples will be collected in Summa canisters using a peristaltic pump and dedicated tubing and analyzed for a list of target compounds vial EPA Method TO-15. The schedule for sampling will be provided in the next VRP Status Report.

4.5 Revised VRP Compliance Status Report ("CSR) Submittal

All newly proposed and previously collected data will be used to update the existing VRP CSR, including the results of the above-described additional voluntary corrective action. Based upon the anticipated completion date of the additional corrective action and subsequent planned monitoring and sampling activities, the revised VRP CSR is expected to be submitted to the GA EPD by December 31, 2018.

5.0 MILESTONE SCHEDULE

The milestone schedule for completion of these activities are included in the milestone schedule included in Appendix VII.

6.0 SERVICE HOURS FOR THIS PERIOD

Approximately 117 professional service hours have been completed by Genesis Project, Inc. from January 1, 2018 to July 31, 2018.

7.0 LIFE-CYCLE COST ESTIMATE

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

1. Completion of site investigation activities
2. Preparation and submittal of a final VRP CSR.

Based on these activities the remaining estimated life cycle cost for this site is $129,950.

APPENDIX I
Figures

MONTEREY MEXICAN RESTAURANT BUILDING

PARCEL 079088

END OF CURB

MW-6

PARCEL 079133

MW-7

PARCEL 079087

POD-1

MW-5

MW-12D

POD-2

SYSTEM ENCLOSURE

SAFELITE AUTO GLAS
AND DUNLOP TIRES
(COLUMBIA CAR CARE

MW-8D

MW-13

MW-22

FORMER VOGUE CLEANERS

MW-8S

MW-2R

MW-8R

MW-4

RETENTION WALL

PROPERTY LINE

MW-1

COLUMBIA SQUARE SHOPPING CENTER

LEGEND

PROPERTY LINE

EXISTING MONITOR WELL LOCATION

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
MDM	7/31/18	--	--	WFM	MDM	WFM

SCALE 0 25 scale feet

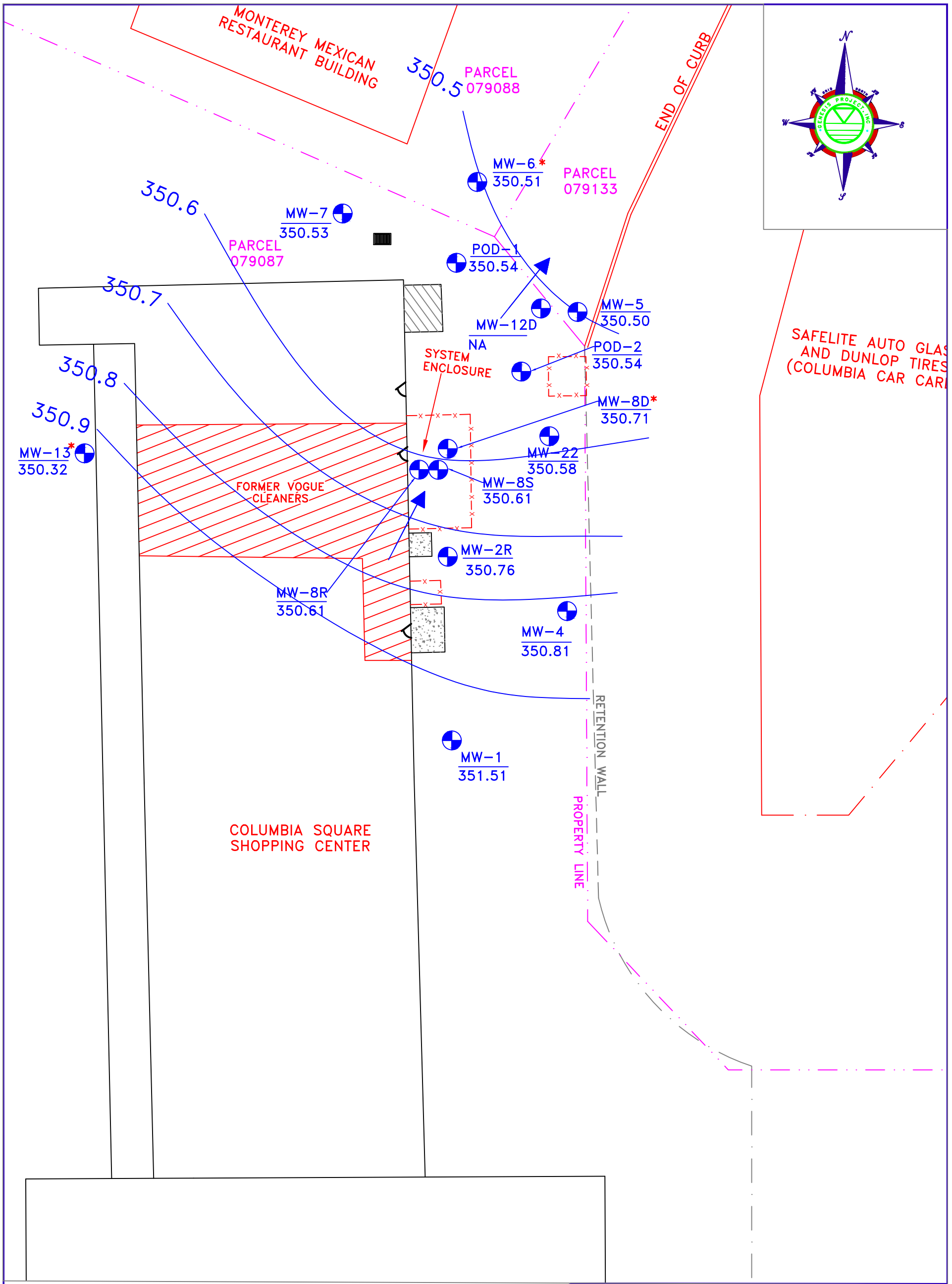
Site Plan
Vogue Cleaners
Martinez, Georgia

Genesis Project, Inc.
ENVIRONMENTAL SERVICES.
Smyrna, GA

PROJECT No.		--
DESIGN	WFM	7/31/18
CADD	WFM	7/31/18
CHECK	MDM	7/31/18
REVIEW	MDM	7/31/18

FILE No. --
SCALE AS SHOWN | REV. MDM

Figure 1



LEGEND

- PROPERTY LINE
- EXISTING MONITOR WELL LOCATION
- MW-1 — WELL ID
- 351.53 — 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
July 24, 2018
Vogue Cleaners
Martinez, Georgia

Genesis Project, Inc.
ENVIRONMENTAL SERVICES.
Smyrna, GA

PROJECT No.	--	FILE No.	--
DESIGN	JAT 7/26/18	SCALE	AS SHOWN REV. 0
CADD	WFM 7/26/18		
CHECK	MDM 7/26/18		
REVIEW	MDM 7/26/18		

Figure 2

MONTEREY MEXICAN RESTAURANT BUILDING

PARCEL 079088

END OF CURB

MW-6
NS

PARCEL 079133

MW-7
NS

PARCEL 079087

POD-1
NS

MW-5

5/18	7/18
37	NS
8.1	NS
13	NS

MW-12D
NS

SYSTEM ENCLOSURE

SAFELITE AUTO GLAS
AND DUNLOP TIRES
(COLUMBIA CAR CARE

POD-2

5/18	7/18
5,500	9,900
880	4,500
780	2,700

MW-8D
NS

MW-13
NS

MW-22
NS

FORMER VOGUE CLEANERS

MW-8S

5/18	7/18
67	21,000
<5	4,500
<5	2,200

MW-2R
NS

MW-8R
NS

MW-4
NS

RETENTION WALL

PROPERTY LINE

MW-1
NS

COLUMBIA SQUARE SHOPPING CENTER

LEGEND

PROPERTY LINE

EXISTING MONITOR WELL LOCATION

MW-8S	
5/18	7/18
67	21,000
<5	4,500
<5	2,200

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

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

SCALE 0 25
scale feet

Horizontal Groundwater Analytical Map
July 18, 2018
Vogue Cleaners
Martinez, Georgia

Genesis Project, Inc.
ENVIRONMENTAL SERVICES.
Smyrna, GA

PROJECT No.	--	FILE No.	--
DESIGN	JAT 7/31/18	SCALE	AS SHOWN REV. 0
CADD	WFM 7/31/18		
CHECK	MDM 7/31/18		
REVIEW	MDM 7/31/18		

Figure 3

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	08/07/13	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
	12/29/15		NA	NA
	7/1//17		5.38	351.53
	07/24/18		5.40	351.51
MW-2R	08/08/13	356.39	5.53	350.86
	08/28/14		5.63	350.76
	01/13/15		5.64	350.75
	06/30/15		5.66	350.73
	12/29/15		5.76	350.63
	08/04/16		5.62	350.77
	07/17/17		5.61	350.78
	07/24/18		5.63	350.76
MW-4	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
	12/29/15		DESTROYED	
	07/17/17		4.95	350.79
	07/24/18		4.93	350.81
MW-5	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
	12/29/15		5.74	350.52
	08/04/16		5.72	350.54
	07/17/17		5.78	350.48
	07/24/18		5.76	350.50
MW-6	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
	12/29/15		5.95	350.58
	08/04/16		5.98	350.55
	07/17/17		6.03	350.50
	07/24/18		6.02	350.51
	.			

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-7	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
	12/29/15		5.75	350.51
	08/04/16		5.71	350.55
	07/17/17		5.74	350.52
	07/24/18		5.73	350.53
MW-8R	08/08/13	360.93	10.20	350.73
	08/28/14		10.22	350.71
	01/13/15		10.31	350.62
	06/30/15		10.34	350.59
	12/29/15		10.25	350.68
	8/4/16		10.3	350.63
	07/17/18		10.30	350.63
	07/24/18		10.32	350.61
MW-8S	7/24/18	356.59	5.98	350.61
MW-8D	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
	12/29/15		5.76	350.99
	08/04/16		6.00	350.75
	07/17/17		5.98	350.77
	07/24/18		6.04	350.71
MW-13	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
	12/29/15		5.95	351.04
	08/04/16		6.01	350.98
	07/17/17		6.05	350.94
	07/24/18		6.67	350.32

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-22	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
	12/29/15		5.44	350.61
	08/04/16		5.43	350.62
	7/17/17		5.49	350.56
	7/24/18		5.47	350.58
POD-1	08/07/13	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
	12/29/15		5.50	350.56
	08/04/16		5.52	350.54
	07/17/17		5.53	350.53
	07/24/18		5.52	350.54
POD-2	07/24/18	356.05	5.51	350.54

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

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

Sample ID	Sample Date	VOCs (ug/L)							
		cis-1,2-DCE	PCE	TCE	Vinyl Cloride	trans-1,2-DCE	Benzene	Toluene	Xylenes
MW-5	Jul-17	< 5	95	< 5	< 2	< 5	< 5	< 5	< 10
MW-5	May-18	13	37	8.1	<2	<5	<5	<5	<5
MW-8S	May-18	< 5	67	< 5	< 5	< 5	< 5	< 5	< 5
	Jun-18	2,200	21,000	4,500	< 2	10	< 5	< 5	< 5
POD-2	May-18	780.0	5,500	880.0	<5	8	<5	<5	<5
	Jun-18	2,700.0	9,900	4,500.0	<5	26	<5	<5	<5

APPENDIX III
Groundwater Sample Logs
Boring/ Monitor Well Construction Logs

Low-Flow Purging and Sampling Log

Project: _____ Date: 6/12/18 Well ID: MW-55 Page: 1

Sampling Instrument: _____ Pump Rate: _____ (mL/min)

Intial Readings
Well Depth: 19.35 Screened Interval: 4.35 - 19.35 Water Level: 5.91

After Sample Collection
Well Depth: _____ Water Level: _____

Time (24hr)	Water Level (ft) (TOC)	Purge Volume (gal)	pH	Temp ©	Specific Conductance (mS/cm)	Dissolved Oxygen	Turbidity (NTU)	Redox (Eh)	Comments
1010	5.91	0.1	6.36	25.89	0.104	39.5%	159	125	
1015	5.91	0.2	6.00	23.81	0.102	34.3%	159	97	
1020	5.93	0.3	5.94	25.86	0.101	32.6%	154	85	
1025	5.95	0.4	5.97	26.04	0.101	29.4%	150	80	
1030	5.97	0.5	5.93	26.27	0.097	25.7%	138	78	
1035	5.97	0.6	5.86	26.46	0.093	22.2%	116	76	
1040	5.97	0.7	5.85	26.63	0.090	16.8%	101	71	
1045	6.00	0.8	5.84	26.85	0.088	16.3%	78.4	69	
1050	6.00	0.9	5.83	27.05	0.087	15.3%	60.5	70	
1055	6.00	1.0	5.81	27.10	0.087	14.8%	55.4	71	
1100	6.00	1.1	5.81	27.14	0.087	14.6%	53.7	72	
1105	6.00	1.3	5.79	27.21	0.087	15.7%	49.1	73	
1110	6.00	1.5	5.79	27.26	0.087	15.6%	48.0	74	
1115	6.00	1.7	5.80	27.37	0.087	15.6%	42.6	74	
1120	6.00	1.9	5.80	27.53	0.088	15.6%	42.4	73	
1125	6.00	2.1	5.79	27.78	0087	14.9%	36.7	75	
1130	6.00	2.3	5.79	27.86	0.087	14.5%	35.7	75	
1135	6.00	2.5	5.79	27.84	0.087	14.5%	35.0	77	

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

Low-Flow Purging and Sampling Log

Project: _____ Date: 6/12/18 Well ID: MW-85 Page: 2

Sampling Instrument: _____ Pump Rate: _____ (mL/min)

Intial Readings
Well Depth: 19.35 Screened Interval: 4.35 - 19.35 Water Level: 5.91

After Sample Collection
Well Depth: _____ Water Level: _____

Sampled @ 1215

Time (24hr)	Water Level (ft) (TOC)	Purge Volume (gal)	pH 5.79	Temp ©	Specific Conductance (mS/cm)	Dissolved Oxygen	Turbidity (NTU)	Redox (Eh)	Comments
1140	6.00	2.7	~~27.85~~	27.85	0.088	13.5%	33.3	76	
1145	6.00	2.9	5.78	27.87	0.088	14.4%	32.9	78	
1150	6.00	3.1	5.78	27.89	0.088	13.9%	31.3	77	
1155	6.00	3.3	5.78	27.86	0.088	13.3%	31.1	78	
1200	6.00	3.5	5.77	27.82	0.089	14.5%	30.6	79	
1205	6.00	3.7	5.77	27.85	0.089	13.9%	30.1	79	
1210	6.00	3.9	5.77	27.92	0.089	14.3%	29.1	79	

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

Low-Flow Purging and Sampling Log

Project: _____ Date: 6/12/18 Well ID: POD-2 Page: 1

Sampling Instrument: _____ Pump Rate: _____ (mL/min)

Intial Readings
Well Depth: 19.07 Screened Interval: ~~4.07~~ 4.07 – 19.07 Water Level: 5.51

After Sample Collection
Well Depth: _____ Water Level: _____

Sampled @ 945

Time (24hr)	Water Level (ft) (TOC)	Purge Volume (gal)	pH	Temp ©	Specific Conductance (mS/cm)	Dissolved Oxygen	Turbidity (NTU)	Redox (Eh)	Comments
900	5.51	0.1	4.77	26.44	0.134	19%	20.1	239	
905	5.51	0.3	4.30	26.85	0.115	10.6%	13.0	256	
910	5.51	0.4	4.25	26.90	0.107	5.7%	13.0	273	
915	5.51	0.5	4.16	26.90	0.102	3.4%	8.60	291	
920	5.51	0.6	4.11	26.90	0.100	3.0%	3.81	307	
925	5.51	0.7	4.12	26.90	0.099	3.3%	3.81	308	
930	5.51	0.8	4.12	26.86	0.098	3.4%	2.32	315	
935	5.51	0.9	4.14	26.85	0.097	3.9%	2.32	318	
940	5.51	1.0	4.13	26.85	0.096	4.5%	1.19	323	

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

Low-Flow Purging and Sampling Log

Project: _____ Date: 5/24/18 Well ID: MW-5 Page: 1

Sampling Instrument: _____ Pump Rate: _____ (mL/min)

Intial Readings
Well Depth: _____ Screened Interval: _____ Water Level: 5.75

After Sample Collection
Well Depth: _____ Water Level: 5.75 1700

Time (24hr)	Water Level (ft) (TOC)	Purge Volume (gal)	pH	Temp ©	Specific Conductance (mS/cm)	Dissolved Oxygen	Turbidity (NTU)	Redox (Eh)	Comments
1625	5.75	0.1	5.87	32.31	0.161	7.62	0		
1630	5.75	0.2	5.47	30.67	0.154	7.93	0		
1635	5.75	0.3	5.40	29.40	0.147	7.66	0		
1640	5.75	0.41	5.27	28.46	0.135	6.38	0		
1645	5.75	0.5	5.20	28.05	0.132	6.23	0		
1650	5.75	0.6	5.19	27.84	0.127	6.23	0		
1655	5.75	0.7	5.17	27.18	0.124	6.34	0		

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

Low-Flow Purging and Sampling Log

Project: _____ Date: 5/25/18 Well ID: POD-2 Page: _____

Sampling Instrument: _____ Pump Rate: _____ (mL/min)

Intial Readings
Well Depth: _____ Screened Interval: _____ Water Level: 5.49

After Sample Collection
Well Depth: _____ Water Level: 5.49 Sampled @ 905

Time (24hr)	Water Level (ft) (TOC)	Purge Volume (gal)	pH	Temp ©	Specific Conductance (mS/cm)	Dissolved Oxygen	Turbidity (NTU)	Redox (Eh)	Comments
835	5.49	0.1	4.64	23.11	0.103	0.71	0		
840	5.49	0.2	4.67	23.21	0.103	0.67	0		
845	5.49	0.3	4.67	23.27	0.102	0.72	0		
850	5.49	0.4	4.69	23.30	0.100	0.80	0		
855	5.49	0.5	4.70	23.31	0.099	0.98	0		
900	5.49	0.6	4.70	23.35	0.099	1.19	0		

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

Low-Flow Purging and Sampling Log

Project: _____ Date: 5/25/18 Well ID: MW-85 Page: 1

Sampling Instrument: _____ Pump Rate: _____ (mL/min)

Intial Readings
Well Depth: _____ Screened Interval: _____ Water Level: 5.8

After Sample Collection
Well Depth: _____ Water Level: _____

Time (24hr)	Water Level (ft) (TOC)	Purge Volume (gal)	pH	Temp ©	Specific Conductance (mS/cm)	Dissolved Oxygen	Turbidity (NTU)	Redox (Eh)	Comments
930	5.82	0.1	6.34	22.76	0.114	5.75	0		
935	5.82	0.2	6.53	22.91	0.112	5.38	204		
940	5.82	0.3	6.62	23.06	0.111	5.23	201		
945	5.83	0.4	6.64	23.14	0.111	5.16	201		
950	5.83	0.5	6.67	23.25	0.112	5.22	198		
955	5.83	0.6	6.60	23.35	0.112	5.27	~~198~~ 191		
1000	5.83	0.7	6.69	23.39	0.112	5.27	189		
1005	5.83	0.8	6.70	23.47	0.112	5.26	187		
1010	5.83	0.9	6.70	23.53	0.112	5.20	186		
1015	5.83	1.0	6.70	23.61	0.111	5.17	186		
1020	5.83	1.1	6.70	23.74	0.111	5.21	186		
1030	5.83	1.3	6.72	23.97	0.112	5.12	179		
1035	5.83	1.5	6.70	24.10	0.111	5.25	182		
1040	5.83	1.6	6.74	24.27	0.111	5.47	186		
1045	5.83	1.8	6.73	24.42	0.111	4.93	185		
~~1050~~ 1050	5.83	2.0	6.74	24.47	0.111	5.07	185		
1055	5.83	2.2	6.75	24.54	0.111	5.09	182		
1100	5.84	2.4	6.76	24.63	0.111	5.04	181		

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

Low-Flow Purging and Sampling Log

Project: _____ Date: 5/25/18 Well ID: MW-85 Page: 2

Sampling Instrument: _____ Pump Rate: _____ (mL/min)

Intial Readings
Well Depth: _____ Screened Interval: _____ Water Level: 5.8

After Sample Collection
Well Depth: _____ Water Level: _____

Sample @ 1130

Time (24hr)	Water Level (ft) (TOC)	Purge Volume (gal)	pH	Temp ©	Specific Conductance (mS/cm)	Dissolved Oxygen	Turbidity (NTU)	Redox (Eh)	Comments
1105	5.84	2.6	6.77	24.70	0.111	5.08	178		
1110	5.84	2.8	6.77	24.77	0.110	5.10	177		
1115	5.84	3.0	6.78	24.85	0.110	5.16	176		
1120	5.84	3.2	6.78	24.98	0.110	5.07	174		
1123	5.84	3.4	6.78	25.12	0.110	5.11	172		

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

WELL NUMBER MW-8S

CLIENT Morgan Stanley
PROJECT NAME Former Vogue Cleaners
PROJECT NUMBER
PROJECT LOCATION Martinez, Georgia
DATE STARTED 5/14/18 **COMPLETED** 5/14/18
GROUND ELEVATION 356.77 ft MSL **HOLE SIZE** 6"
DRILLING CONTRACTOR
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
AT TIME OF DRILLING ---
LOGGED BY **CHECKED BY**
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0				0.5 ASPHALT 356.3	Cement Seal
		ML		(ML) Tan, white, and orange sandy SILT. Trace rock. Dry and non-plastic. FILL	Bentonite Seal
				3.0 353.8	2" PVC Riser
		SM		(SM) White clayey SAND. Dry to wet, non-plastic. Residual.	
5					
10					Sand Filter Pack
					2" Screened PVC
				13.0 343.8	
		SM		(SM) Tan clayey SAND. Wet. Residual	
15					
				20.0 336.8	

Bottom of borehole at 19.4 feet.

WELL NUMBER POD-2

CLIENT Morgan Stanley
PROJECT NAME Former Vogue Cleaners
PROJECT NUMBER
PROJECT LOCATION Martinez, Georgia
DATE STARTED 5/14/18 **COMPLETED** 5/14/18
GROUND ELEVATION 356.31 ft MSL **HOLE SIZE** 6"
DRILLING CONTRACTOR
GROUND WATER LEVELS:
DRILLING METHOD GeoProbe
AT TIME OF DRILLING ---
LOGGED BY **CHECKED BY**
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION		WELL DIAGRAM
0				0.5 ASPHALT	355.8	
		SM		1.0 (SM) Tan and brown silty SAND. Dry, non-plastic. FILL	355.3	Grout Seal
		SC		(SC) Red and orange clayey SAND. Dry, non-plastic. FILL		Bentonite Seal 2" PVC Riser
				3.0	353.3	
5		SC		(SC) White and grey clayey SAND. Dry to wet, low plastic. RESIDUAL		
10						Sand Filter Pack 2" Screened PVC
				14.0	342.3	
15		SC		(SC) Tan clayey SAND. Wet, low plastic. RESIDUAL		
				20.0	336.3	

Bottom of borehole at 19.1 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 7/31/18 09:59 - Z:\MORGAN STANLEY\VRP\FIGURES\WELL LOGS.GPJ

APPENDIX IV
Laboratory Analytical Reports

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

May 31, 2018

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

RE: Vogue

Dear Mark D. Mitchell: Order No: 1805R62

Analytical Environmental Services, Inc. received 4 samples on 5/25/2018 2:35:00 PM
for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES's accreditations are as follows:
-NELAP/State of Florida Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, Air & Emissions Volatile Organics, and Drinking Water Microbiology & Metals, effective 07/01/17-06/30/18. State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective 07/01/17-06/30/18 and Total Coliforms/ E. coli, effective 04/25/17-04/24/20.
-NELAP/Louisiana Agency Interest No. 100818 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 07/01/17-06/30/18.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Metals, PCM Asbestos, Gravimetric), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 11/01/19.
These results relate only to the items tested. This report may only be reproduced in full.

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

Sincerely,

Paris Masoudi

Paris Masoudi
Project Manager

Revision 5/31/2018

3080 Presidential Drive • Atlanta, Georgia 30340 • Tel: 770.457.8177 • Fax: 770.457.8188 • Toll Free: 800.972.4889
www.aesatlanta.com

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

CHAIN OF CUSTODY

Work Order: 1805R62

Date: 5/25/18 Page 1 of 1

COMPANY:	ADDRESS:
Genesis Project	1258 Concord Rd Smyrna GA 30080
PHONE: 770 319 7217	EMAIL: wmitchell@genproject.com
SAMPLED BY: Will Mitchell	SIGNATURE:

#	SAMPLE ID	SAMPLED: DATE	SAMPLED: TIME	GRAB	COMPOSITE	MATRIX (see codes)	Total VOCs	PRESERVATION (see codes)	REMARKS	Number of Containers
1	MW-5	5/24/18	1700	X		GW	X			3
2	POD-2	5/25/18	905	X		"	X			3
3	MW-85	5/25/18	1130	X		GW	X			3
4	Trip Blank									2
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										

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

ANALYSIS REQUESTED

RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1.	5/25/18 1435	1. Monique Abbott	5/25/18 2:35pm
2.		2.	
3.		3.	

SPECIAL INSTRUCTIONS/COMMENTS:

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

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

RECEIPT
Total # of Containers: 8

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

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

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

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

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

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc **Date:** 31-May-18

Client:	Genesis Project, Inc.	**Client Sample ID:**	MW-5
Project Name	Vogue	**Collection Date:**	5/24/2018 5:00:00 PM
Lab ID:	1805R62-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	261483	1	05/27/2018 18:09	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	261483	1	05/27/2018 18:09	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	261483	1	05/27/2018 18:09	NP
1,1-Dichloroethane	BRL	5.0		ug/L	261483	1	05/27/2018 18:09	NP
1,1-Dichloroethene	BRL	5.0		ug/L	261483	1	05/27/2018 18:09	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	261483	1	05/27/2018 18:09	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	261483	1	05/27/2018 18:09	NP
1,2-Dibromoethane	BRL	5.0		ug/L	261483	1	05/27/2018 18:09	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	261483	1	05/27/2018 18:09	NP
1,2-Dichloroethane	BRL	5.0		ug/L	261483	1	05/27/2018 18:09	NP
1,2-Dichloropropane	BRL	5.0		ug/L	261483	1	05/27/2018 18:09	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	261483	1	05/27/2018 18:09	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	261483	1	05/27/2018 18:09	NP
2-Butanone	BRL	50		ug/L	261483	1	05/27/2018 18:09	NP
2-Hexanone	BRL	10		ug/L	261483	1	05/27/2018 18:09	NP
4-Methyl-2-pentanone	BRL	10		ug/L	261483	1	05/27/2018 18:09	NP
Acetone	BRL	50		ug/L	261483	1	05/27/2018 18:09	NP
Benzene	BRL	5.0		ug/L	261483	1	05/27/2018 18:09	NP
Bromodichloromethane	BRL	5.0		ug/L	261483	1	05/27/2018 18:09	NP
Bromoform	BRL	5.0		ug/L	261483	1	05/27/2018 18:09	NP
Bromomethane	BRL	5.0		ug/L	261483	1	05/27/2018 18:09	NP
Carbon disulfide	BRL	5.0		ug/L	261483	1	05/27/2018 18:09	NP
Carbon tetrachloride	BRL	5.0		ug/L	261483	1	05/27/2018 18:09	NP
Chlorobenzene	BRL	5.0		ug/L	261483	1	05/27/2018 18:09	NP
Chloroethane	BRL	10		ug/L	261483	1	05/27/2018 18:09	NP
Chloroform	BRL	5.0		ug/L	261483	1	05/27/2018 18:09	NP
Chloromethane	BRL	10		ug/L	261483	1	05/27/2018 18:09	NP
cis-1,2-Dichloroethene	13	5.0		ug/L	261483	1	05/27/2018 18:09	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	261483	1	05/27/2018 18:09	NP
Cyclohexane	BRL	5.0		ug/L	261483	1	05/27/2018 18:09	NP
Dibromochloromethane	BRL	5.0		ug/L	261483	1	05/27/2018 18:09	NP
Dichlorodifluoromethane	BRL	10		ug/L	261483	1	05/27/2018 18:09	NP
Ethylbenzene	BRL	5.0		ug/L	261483	1	05/27/2018 18:09	NP
Freon-113	BRL	10		ug/L	261483	1	05/27/2018 18:09	NP
Isopropylbenzene	BRL	5.0		ug/L	261483	1	05/27/2018 18:09	NP
m,p-Xylene	BRL	5.0		ug/L	261483	1	05/27/2018 18:09	NP
Methyl acetate	BRL	5.0		ug/L	261483	1	05/27/2018 18:09	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	261483	1	05/27/2018 18:09	NP
Methylcyclohexane	BRL	5.0		ug/L	261483	1	05/27/2018 18:09	NP
Methylene chloride	BRL	5.0		ug/L	261483	1	05/27/2018 18:09	NP
o-Xylene	BRL	5.0		ug/L	261483	1	05/27/2018 18:09	NP

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 31-May-18

Client:	Genesis Project, Inc.	**Client Sample ID:**	MW-5
Project Name	Vogue	**Collection Date:**	5/24/2018 5:00:00 PM
Lab ID:	1805R62-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	261483	1	05/27/2018 18:09	NP
Tetrachloroethene	37	5.0		ug/L	261483	1	05/27/2018 18:09	NP
Toluene	BRL	5.0		ug/L	261483	1	05/27/2018 18:09	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	261483	1	05/27/2018 18:09	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	261483	1	05/27/2018 18:09	NP
Trichloroethene	8.1	5.0		ug/L	261483	1	05/27/2018 18:09	NP
Trichlorofluoromethane	BRL	5.0		ug/L	261483	1	05/27/2018 18:09	NP
Vinyl chloride	BRL	2.0		ug/L	261483	1	05/27/2018 18:09	NP
Surr: 4-Bromofluorobenzene	94	68-127		%REC	261483	1	05/27/2018 18:09	NP
Surr: Dibromofluoromethane	96.1	84.4-122		%REC	261483	1	05/27/2018 18:09	NP
Surr: Toluene-d8	105	80.1-116		%REC	261483	1	05/27/2018 18:09	NP

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 31-May-18

Client:	Genesis Project, Inc.	**Client Sample ID:**	POD-2
Project Name	Vogue	**Collection Date:**	5/25/2018 9:05:00 AM
Lab ID:	1805R62-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	261483	1	05/27/2018 18:35	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	261483	1	05/27/2018 18:35	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	261483	1	05/27/2018 18:35	NP
1,1-Dichloroethane	BRL	5.0		ug/L	261483	1	05/27/2018 18:35	NP
1,1-Dichloroethene	BRL	5.0		ug/L	261483	1	05/27/2018 18:35	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	261483	1	05/27/2018 18:35	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	261483	1	05/27/2018 18:35	NP
1,2-Dibromoethane	BRL	5.0		ug/L	261483	1	05/27/2018 18:35	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	261483	1	05/27/2018 18:35	NP
1,2-Dichloroethane	BRL	5.0		ug/L	261483	1	05/27/2018 18:35	NP
1,2-Dichloropropane	BRL	5.0		ug/L	261483	1	05/27/2018 18:35	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	261483	1	05/27/2018 18:35	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	261483	1	05/27/2018 18:35	NP
2-Butanone	BRL	50		ug/L	261483	1	05/27/2018 18:35	NP
2-Hexanone	BRL	10		ug/L	261483	1	05/27/2018 18:35	NP
4-Methyl-2-pentanone	BRL	10		ug/L	261483	1	05/27/2018 18:35	NP
Acetone	BRL	50		ug/L	261483	1	05/27/2018 18:35	NP
Benzene	BRL	5.0		ug/L	261483	1	05/27/2018 18:35	NP
Bromodichloromethane	BRL	5.0		ug/L	261483	1	05/27/2018 18:35	NP
Bromoform	BRL	5.0		ug/L	261483	1	05/27/2018 18:35	NP
Bromomethane	BRL	5.0		ug/L	261483	1	05/27/2018 18:35	NP
Carbon disulfide	BRL	5.0		ug/L	261483	1	05/27/2018 18:35	NP
Carbon tetrachloride	BRL	5.0		ug/L	261483	1	05/27/2018 18:35	NP
Chlorobenzene	BRL	5.0		ug/L	261483	1	05/27/2018 18:35	NP
Chloroethane	BRL	10		ug/L	261483	1	05/27/2018 18:35	NP
Chloroform	BRL	5.0		ug/L	261483	1	05/27/2018 18:35	NP
Chloromethane	BRL	10		ug/L	261483	1	05/27/2018 18:35	NP
cis-1,2-Dichloroethene	780	250		ug/L	261483	50	05/29/2018 16:09	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	261483	1	05/27/2018 18:35	NP
Cyclohexane	BRL	5.0		ug/L	261483	1	05/27/2018 18:35	NP
Dibromochloromethane	BRL	5.0		ug/L	261483	1	05/27/2018 18:35	NP
Dichlorodifluoromethane	BRL	10		ug/L	261483	1	05/27/2018 18:35	NP
Ethylbenzene	BRL	5.0		ug/L	261483	1	05/27/2018 18:35	NP
Freon-113	BRL	10		ug/L	261483	1	05/27/2018 18:35	NP
Isopropylbenzene	BRL	5.0		ug/L	261483	1	05/27/2018 18:35	NP
m,p-Xylene	BRL	5.0		ug/L	261483	1	05/27/2018 18:35	NP
Methyl acetate	BRL	5.0		ug/L	261483	1	05/27/2018 18:35	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	261483	1	05/27/2018 18:35	NP
Methylcyclohexane	BRL	5.0		ug/L	261483	1	05/27/2018 18:35	NP
Methylene chloride	BRL	5.0		ug/L	261483	1	05/27/2018 18:35	NP
o-Xylene	BRL	5.0		ug/L	261483	1	05/27/2018 18:35	NP

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 31-May-18

Client:	Genesis Project, Inc.	**Client Sample ID:**	POD-2
Project Name	Vogue	**Collection Date:**	5/25/2018 9:05:00 AM
Lab ID:	1805R62-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	261483	1	05/27/2018 18:35	NP
Tetrachloroethene	5500	250		ug/L	261483	50	05/29/2018 16:09	NP
Toluene	BRL	5.0		ug/L	261483	1	05/27/2018 18:35	NP
trans-1,2-Dichloroethene	8.3	5.0		ug/L	261483	1	05/27/2018 18:35	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	261483	1	05/27/2018 18:35	NP
Trichloroethene	880	250		ug/L	261483	50	05/29/2018 16:09	NP
Trichlorofluoromethane	BRL	5.0		ug/L	261483	1	05/27/2018 18:35	NP
Vinyl chloride	BRL	2.0		ug/L	261483	1	05/27/2018 18:35	NP
Surr: 4-Bromofluorobenzene	90.7	68-127		%REC	261483	50	05/29/2018 16:09	NP
Surr: 4-Bromofluorobenzene	95.7	68-127		%REC	261483	1	05/27/2018 18:35	NP
Surr: Dibromofluoromethane	94.2	84.4-122		%REC	261483	50	05/29/2018 16:09	NP
Surr: Dibromofluoromethane	98.3	84.4-122		%REC	261483	1	05/27/2018 18:35	NP
Surr: Toluene-d8	105	80.1-116		%REC	261483	50	05/29/2018 16:09	NP
Surr: Toluene-d8	108	80.1-116		%REC	261483	1	05/27/2018 18:35	NP

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 31-May-18

Client:	Genesis Project, Inc.	**Client Sample ID:**	MW-8S
Project Name	Vogue	**Collection Date:**	5/25/2018 11:30:00 AM
Lab ID:	1805R62-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	261483	1	05/29/2018 11:31	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	261483	1	05/29/2018 11:31	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	261483	1	05/29/2018 11:31	NP
1,1-Dichloroethane	BRL	5.0		ug/L	261483	1	05/29/2018 11:31	NP
1,1-Dichloroethene	BRL	5.0		ug/L	261483	1	05/29/2018 11:31	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	261483	1	05/29/2018 11:31	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	261483	1	05/29/2018 11:31	NP
1,2-Dibromoethane	BRL	5.0		ug/L	261483	1	05/29/2018 11:31	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	261483	1	05/29/2018 11:31	NP
1,2-Dichloroethane	BRL	5.0		ug/L	261483	1	05/29/2018 11:31	NP
1,2-Dichloropropane	BRL	5.0		ug/L	261483	1	05/29/2018 11:31	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	261483	1	05/29/2018 11:31	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	261483	1	05/29/2018 11:31	NP
2-Butanone	BRL	50		ug/L	261483	1	05/29/2018 11:31	NP
2-Hexanone	BRL	10		ug/L	261483	1	05/29/2018 11:31	NP
4-Methyl-2-pentanone	BRL	10		ug/L	261483	1	05/29/2018 11:31	NP
Acetone	BRL	50		ug/L	261483	1	05/29/2018 11:31	NP
Benzene	BRL	5.0		ug/L	261483	1	05/29/2018 11:31	NP
Bromodichloromethane	BRL	5.0		ug/L	261483	1	05/29/2018 11:31	NP
Bromoform	BRL	5.0		ug/L	261483	1	05/29/2018 11:31	NP
Bromomethane	BRL	5.0		ug/L	261483	1	05/29/2018 11:31	NP
Carbon disulfide	BRL	5.0		ug/L	261483	1	05/29/2018 11:31	NP
Carbon tetrachloride	BRL	5.0		ug/L	261483	1	05/29/2018 11:31	NP
Chlorobenzene	BRL	5.0		ug/L	261483	1	05/29/2018 11:31	NP
Chloroethane	BRL	10		ug/L	261483	1	05/29/2018 11:31	NP
Chloroform	BRL	5.0		ug/L	261483	1	05/29/2018 11:31	NP
Chloromethane	BRL	10		ug/L	261483	1	05/29/2018 11:31	NP
cis-1,2-Dichloroethene	BRL	5.0		ug/L	261483	1	05/29/2018 11:31	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	261483	1	05/29/2018 11:31	NP
Cyclohexane	BRL	5.0		ug/L	261483	1	05/29/2018 11:31	NP
Dibromochloromethane	BRL	5.0		ug/L	261483	1	05/29/2018 11:31	NP
Dichlorodifluoromethane	BRL	10		ug/L	261483	1	05/29/2018 11:31	NP
Ethylbenzene	BRL	5.0		ug/L	261483	1	05/29/2018 11:31	NP
Freon-113	BRL	10		ug/L	261483	1	05/29/2018 11:31	NP
Isopropylbenzene	BRL	5.0		ug/L	261483	1	05/29/2018 11:31	NP
m,p-Xylene	BRL	5.0		ug/L	261483	1	05/29/2018 11:31	NP
Methyl acetate	BRL	5.0		ug/L	261483	1	05/29/2018 11:31	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	261483	1	05/29/2018 11:31	NP
Methylcyclohexane	BRL	5.0		ug/L	261483	1	05/29/2018 11:31	NP
Methylene chloride	BRL	5.0		ug/L	261483	1	05/29/2018 11:31	NP
o-Xylene	BRL	5.0		ug/L	261483	1	05/29/2018 11:31	NP

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 31-May-18

Client:	Genesis Project, Inc.	**Client Sample ID:**	MW-8S
Project Name	Vogue	**Collection Date:**	5/25/2018 11:30:00 AM
Lab ID:	1805R62-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	261483	1	05/29/2018 11:31	NP
Tetrachloroethene	67	5.0		ug/L	261483	1	05/29/2018 11:31	NP
Toluene	BRL	5.0		ug/L	261483	1	05/29/2018 11:31	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	261483	1	05/29/2018 11:31	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	261483	1	05/29/2018 11:31	NP
Trichloroethene	BRL	5.0		ug/L	261483	1	05/29/2018 11:31	NP
Trichlorofluoromethane	BRL	5.0		ug/L	261483	1	05/29/2018 11:31	NP
Vinyl chloride	BRL	2.0		ug/L	261483	1	05/29/2018 11:31	NP
Surr: 4-Bromofluorobenzene	93.7	68-127		%REC	261483	1	05/29/2018 11:31	NP
Surr: Dibromofluoromethane	94.7	84.4-122		%REC	261483	1	05/29/2018 11:31	NP
Surr: Toluene-d8	108	80.1-116		%REC	261483	1	05/29/2018 11:31	NP

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 31-May-18

Client:	Genesis Project, Inc.	**Client Sample ID:**	TRIP BLANK
Project Name	Vogue	**Collection Date:**	5/25/2018
Lab ID:	1805R62-004	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	261483	1	05/26/2018 14:38	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	261483	1	05/26/2018 14:38	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	261483	1	05/26/2018 14:38	NP
1,1-Dichloroethane	BRL	5.0		ug/L	261483	1	05/26/2018 14:38	NP
1,1-Dichloroethene	BRL	5.0		ug/L	261483	1	05/26/2018 14:38	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	261483	1	05/26/2018 14:38	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	261483	1	05/26/2018 14:38	NP
1,2-Dibromoethane	BRL	5.0		ug/L	261483	1	05/26/2018 14:38	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	261483	1	05/26/2018 14:38	NP
1,2-Dichloroethane	BRL	5.0		ug/L	261483	1	05/26/2018 14:38	NP
1,2-Dichloropropane	BRL	5.0		ug/L	261483	1	05/26/2018 14:38	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	261483	1	05/26/2018 14:38	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	261483	1	05/26/2018 14:38	NP
2-Butanone	BRL	50		ug/L	261483	1	05/26/2018 14:38	NP
2-Hexanone	BRL	10		ug/L	261483	1	05/26/2018 14:38	NP
4-Methyl-2-pentanone	BRL	10		ug/L	261483	1	05/26/2018 14:38	NP
Acetone	BRL	50		ug/L	261483	1	05/26/2018 14:38	NP
Benzene	BRL	5.0		ug/L	261483	1	05/26/2018 14:38	NP
Bromodichloromethane	BRL	5.0		ug/L	261483	1	05/26/2018 14:38	NP
Bromoform	BRL	5.0		ug/L	261483	1	05/26/2018 14:38	NP
Bromomethane	BRL	5.0		ug/L	261483	1	05/26/2018 14:38	NP
Carbon disulfide	BRL	5.0		ug/L	261483	1	05/26/2018 14:38	NP
Carbon tetrachloride	BRL	5.0		ug/L	261483	1	05/26/2018 14:38	NP
Chlorobenzene	BRL	5.0		ug/L	261483	1	05/26/2018 14:38	NP
Chloroethane	BRL	10		ug/L	261483	1	05/26/2018 14:38	NP
Chloroform	BRL	5.0		ug/L	261483	1	05/26/2018 14:38	NP
Chloromethane	BRL	10		ug/L	261483	1	05/26/2018 14:38	NP
cis-1,2-Dichloroethene	BRL	5.0		ug/L	261483	1	05/26/2018 14:38	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	261483	1	05/26/2018 14:38	NP
Cyclohexane	BRL	5.0		ug/L	261483	1	05/26/2018 14:38	NP
Dibromochloromethane	BRL	5.0		ug/L	261483	1	05/26/2018 14:38	NP
Dichlorodifluoromethane	BRL	10		ug/L	261483	1	05/26/2018 14:38	NP
Ethylbenzene	BRL	5.0		ug/L	261483	1	05/26/2018 14:38	NP
Freon-113	BRL	10		ug/L	261483	1	05/26/2018 14:38	NP
Isopropylbenzene	BRL	5.0		ug/L	261483	1	05/26/2018 14:38	NP
m,p-Xylene	BRL	5.0		ug/L	261483	1	05/26/2018 14:38	NP
Methyl acetate	BRL	5.0		ug/L	261483	1	05/26/2018 14:38	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	261483	1	05/26/2018 14:38	NP
Methylcyclohexane	BRL	5.0		ug/L	261483	1	05/26/2018 14:38	NP
Methylene chloride	BRL	5.0		ug/L	261483	1	05/26/2018 14:38	NP
o-Xylene	BRL	5.0		ug/L	261483	1	05/26/2018 14:38	NP

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 31-May-18

Client:	Genesis Project, Inc.	**Client Sample ID:**	TRIP BLANK
Project Name	Vogue	**Collection Date:**	5/25/2018
Lab ID:	1805R62-004	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	261483	1	05/26/2018 14:38	NP
Tetrachloroethene	BRL	5.0		ug/L	261483	1	05/26/2018 14:38	NP
Toluene	BRL	5.0		ug/L	261483	1	05/26/2018 14:38	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	261483	1	05/26/2018 14:38	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	261483	1	05/26/2018 14:38	NP
Trichloroethene	BRL	5.0		ug/L	261483	1	05/26/2018 14:38	NP
Trichlorofluoromethane	BRL	5.0		ug/L	261483	1	05/26/2018 14:38	NP
Vinyl chloride	BRL	2.0		ug/L	261483	1	05/26/2018 14:38	NP
Surr: 4-Bromofluorobenzene	93.3	68-127		%REC	261483	1	05/26/2018 14:38	NP
Surr: Dibromofluoromethane	95	84.4-122		%REC	261483	1	05/26/2018 14:38	NP
Surr: Toluene-d8	107	80.1-116		%REC	261483	1	05/26/2018 14:38	NP

Qualifiers:

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

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AES ANALYTICAL ENVIRONMENTAL SERVICES, INC.

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: **Genesis Project, Inc.** AES Work Order Number: **1805R62**

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

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

13. Cooler 1 Temperature 1.2 °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C

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

15. Comments: _____

I certify that I have completed sections 1-15 (dated initials). KR 5/25/18

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

27. Comments: _____

I certify that I have completed sections 16-27 (dated initials). KR 5/25/18

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

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

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

I certify that I have completed sections 28-30 (dated initials). KR 5/25/18

Client: Genesis Project, Inc.
Project Name Vogue
Workorder: 1805R62

ANALYTICAL QC SUMMARY REPORT

BatchID: 261483

Sample ID: **MB-261483** Client ID: Units: **ug/L** Prep Date: **05/26/2018** Run No: **371439**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **261483** Analysis Date: **05/26/2018** Seq No: **8239729**

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
Workorder: 1805R62

ANALYTICAL QC SUMMARY REPORT

BatchID: 261483

Sample ID: **MB-261483** Client ID: Units: **ug/L** Prep Date: **05/26/2018** Run No: **371439**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **261483** Analysis Date: **05/26/2018** Seq No: **8239729**

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	47.37	0	50.00		94.7	68	127				
Surr: Dibromofluoromethane	47.38	0	50.00		94.8	84.4	122				
Surr: Toluene-d8	52.38	0	50.00		105	80.1	116				

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
Workorder: 1805R62

ANALYTICAL QC SUMMARY REPORT

BatchID: 261483

Sample ID: **LCS-261483** Client ID: Units: **ug/L** Prep Date: **05/26/2018** Run No: **371439**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **261483** Analysis Date: **05/26/2018** Seq No: **8239727**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	18.60	5.0	20.00		93.0	69	136				
Benzene	20.84	5.0	20.00		104	73.7	126				
Chlorobenzene	22.27	5.0	20.00		111	73.5	124				
Toluene	19.57	5.0	20.00		97.8	76.8	125				
Trichloroethene	20.46	5.0	20.00		102	70.9	124				
Surr: 4-Bromofluorobenzene	47.03	0	50.00		94.1	68	127				
Surr: Dibromofluoromethane	47.17	0	50.00		94.3	84.4	122				
Surr: Toluene-d8	52.67	0	50.00		105	80.1	116				

Sample ID: **1805N85-002AMS** Client ID: Units: **ug/L** Prep Date: **05/26/2018** Run No: **371439**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **261483** Analysis Date: **05/26/2018** Seq No: **8239836**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	18.31	5.0	20.00		91.6	65.7	143				
Benzene	20.37	5.0	20.00		102	66.1	137				
Chlorobenzene	21.29	5.0	20.00		106	70.9	132				
Toluene	19.62	5.0	20.00		98.1	63.8	141				
Trichloroethene	19.42	5.0	20.00		97.1	70.6	128				
Surr: 4-Bromofluorobenzene	47.51	0	50.00		95.0	68	127				
Surr: Dibromofluoromethane	46.32	0	50.00		92.6	84.4	122				
Surr: Toluene-d8	52.90	0	50.00		106	80.1	116				

Sample ID: **1805N85-002AMSD** Client ID: Units: **ug/L** Prep Date: **05/26/2018** Run No: **371439**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **261483** Analysis Date: **05/26/2018** Seq No: **8239837**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	17.46	5.0	20.00		87.3	65.7	143	18.31	4.75	17.7	
Benzene	20.16	5.0	20.00		101	66.1	137	20.37	1.04	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
Workorder: 1805R62

ANALYTICAL QC SUMMARY REPORT

BatchID: 261483

Sample ID: **1805N85-002AMSD** Client ID:
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B**
Units: **ug/L** Prep Date: **05/26/2018** Run No: **371439**
BatchID: **261483** Analysis Date: **05/26/2018** Seq No: **8239837**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	20.77	5.0	20.00		104	70.9	132	21.29	2.47	20	
Toluene	19.00	5.0	20.00		95.0	63.8	141	19.62	3.21	20	
Trichloroethene	18.80	5.0	20.00		94.0	70.6	128	19.42	3.24	20	
Surr: 4-Bromofluorobenzene	46.60	0	50.00		93.2	68	127	47.51	0	0	
Surr: Dibromofluoromethane	46.50	0	50.00		93.0	84.4	122	46.32	0	0	
Surr: Toluene-d8	53.70	0	50.00		107	80.1	116	52.90	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		

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

June 21, 2018

Mark D. Mitchell
Genesis Project, Inc.

1258 Concord Rd. SE
Smyrna GA 30016

RE: Vogue

Dear Mark D. Mitchell: Order No: 1806C31

Analytical Environmental Services, Inc. received 3 samples on June 12, 2018 3:25 pm for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES's accreditations are as follows:
-NELAP/State of Florida Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, Air & Emissions Volatile Organics, and Drinking Water Microbiology & Metals, effective 07/01/17-06/30/18. State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective 07/01/17-06/30/18 and Total Coliforms/ E. coli, effective 04/25/17-04/24/20.
-NELAP/Louisiana Agency Interest No. 100818 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 07/01/17-06/30/18.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Metals, PCM Asbestos, Gravimetric), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 11/01/19.
These results relate only to the items tested. This report may only be reproduced in full.

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

Sincerely,

Paris Masoudi

Paris Masoudi

Project Manager

3080 Presidential Drive • Atlanta, Georgia 30340 • Tel: 770.457.8177 • Fax: 770.457.8188 • Toll Free: 800.972.4889
www.aesatlanta.com

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

CHAIN OF CUSTODY

Work Order: 1806C31

Date: 6/12/18 Page 1 of 1

COMPANY:	ADDRESS:
Genesis Project	1258 Concord Rd Smyrna GA 30080
PHONE: 7203147217	EMAIL: wmitchell@genproject.com
SAMPLED BY: Will Mitchell	SIGNATURE:

#	SAMPLE ID	SAMPLED: DATE	SAMPLED: TIME	GRAB	COMPOSITE	MATRIX (see codes)	Total VOCs	REMARKS	Number of Containers
1	POD-2	6/12/18	945	X		GW	X		2
2	MW-85	6/12/18	1215	X		GW	X		3
3	Trip Blank								2
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									

ANALYSIS REQUESTED

PRESERVATION (see codes)

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

RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1.	6/12/18 1535	1. Monique Andrews	6/12/18 3:25pm
2.		2.	
3.		3.	

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD

OUT: / / VIA:

IN: / / VIA:

Client FedEx UPS US mail courier Greyhound

other: _____

PROJECT INFORMATION

PROJECT NAME: Vogue

PROJECT #:

SITE ADDRESS:

SEND REPORT TO: mmitchell@genproject.com

INVOICE TO:

(IF DIFFERENT FROM ABOVE)

QUOTE #: _____ PO#: _____

RECEIPT

Total # of Containers: 6

Turnaround Time (TAT) Request

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

STATE PROGRAM (if any): _____

E-mail? [x] Fax? [ ]

DATA PACKAGE: I ○ II ○ III ○ IV ○

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

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

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

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc

Date: 20-Jun-18

Client: Genesis Project, Inc.
Project: Vogue
Lab ID: 1806C31

Case Narrative

Volatile Organic Compounds Analysis by Method 8260B:

RPD value for 1,1-Dichloroethene on sample 1806F27-003AMSD was outside advisory control limits due to suspected non-homogeneous sample matrix. All percent recoveries were within control limits.

Analytical Environmental Services, Inc **Date:** 20-Jun-18

Client:	Genesis Project, Inc.	**Client Sample ID:**	POD-2
Project Name	Vogue	**Collection Date:**	6/12/2018 9:45:00 AM
Lab ID:	1806C31-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	262548	1	06/17/2018 20:52	CC
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	262548	1	06/17/2018 20:52	CC
1,1,2-Trichloroethane	BRL	5.0		ug/L	262548	1	06/17/2018 20:52	CC
1,1-Dichloroethane	BRL	5.0		ug/L	262548	1	06/17/2018 20:52	CC
1,1-Dichloroethene	BRL	5.0		ug/L	262548	1	06/17/2018 20:52	CC
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	262548	1	06/17/2018 20:52	CC
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	262548	1	06/17/2018 20:52	CC
1,2-Dibromoethane	BRL	5.0		ug/L	262548	1	06/17/2018 20:52	CC
1,2-Dichlorobenzene	BRL	5.0		ug/L	262548	1	06/17/2018 20:52	CC
1,2-Dichloroethane	BRL	5.0		ug/L	262548	1	06/17/2018 20:52	CC
1,2-Dichloropropane	BRL	5.0		ug/L	262548	1	06/17/2018 20:52	CC
1,3-Dichlorobenzene	BRL	5.0		ug/L	262548	1	06/17/2018 20:52	CC
1,4-Dichlorobenzene	BRL	5.0		ug/L	262548	1	06/17/2018 20:52	CC
2-Butanone	BRL	50		ug/L	262548	1	06/17/2018 20:52	CC
2-Hexanone	BRL	10		ug/L	262548	1	06/17/2018 20:52	CC
4-Methyl-2-pentanone	BRL	10		ug/L	262548	1	06/17/2018 20:52	CC
Acetone	BRL	50		ug/L	262548	1	06/17/2018 20:52	CC
Benzene	BRL	5.0		ug/L	262548	1	06/17/2018 20:52	CC
Bromodichloromethane	BRL	5.0		ug/L	262548	1	06/17/2018 20:52	CC
Bromoform	BRL	5.0		ug/L	262548	1	06/17/2018 20:52	CC
Bromomethane	BRL	5.0		ug/L	262548	1	06/17/2018 20:52	CC
Carbon disulfide	BRL	5.0		ug/L	262548	1	06/17/2018 20:52	CC
Carbon tetrachloride	BRL	5.0		ug/L	262548	1	06/17/2018 20:52	CC
Chlorobenzene	BRL	5.0		ug/L	262548	1	06/17/2018 20:52	CC
Chloroethane	BRL	10		ug/L	262548	1	06/17/2018 20:52	CC
Chloroform	BRL	5.0		ug/L	262548	1	06/17/2018 20:52	CC
Chloromethane	BRL	10		ug/L	262548	1	06/17/2018 20:52	CC
cis-1,2-Dichloroethene	2700	500		ug/L	262548	100	06/17/2018 21:19	CC
cis-1,3-Dichloropropene	BRL	5.0		ug/L	262548	1	06/17/2018 20:52	CC
Cyclohexane	BRL	5.0		ug/L	262548	1	06/17/2018 20:52	CC
Dibromochloromethane	BRL	5.0		ug/L	262548	1	06/17/2018 20:52	CC
Dichlorodifluoromethane	BRL	10		ug/L	262548	1	06/17/2018 20:52	CC
Ethylbenzene	BRL	5.0		ug/L	262548	1	06/17/2018 20:52	CC
Freon-113	BRL	10		ug/L	262548	1	06/17/2018 20:52	CC
Isopropylbenzene	BRL	5.0		ug/L	262548	1	06/17/2018 20:52	CC
m,p-Xylene	BRL	5.0		ug/L	262548	1	06/17/2018 20:52	CC
Methyl acetate	BRL	5.0		ug/L	262548	1	06/17/2018 20:52	CC
Methyl tert-butyl ether	BRL	5.0		ug/L	262548	1	06/17/2018 20:52	CC
Methylcyclohexane	BRL	5.0		ug/L	262548	1	06/17/2018 20:52	CC
Methylene chloride	BRL	5.0		ug/L	262548	1	06/17/2018 20:52	CC
o-Xylene	BRL	5.0		ug/L	262548	1	06/17/2018 20:52	CC

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:** 20-Jun-18

Client:	Genesis Project, Inc.	**Client Sample ID:**	POD-2
Project Name	Vogue	**Collection Date:**	6/12/2018 9:45:00 AM
Lab ID:	1806C31-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	262548	1	06/17/2018 20:52	CC
Tetrachloroethene	9900	5000		ug/L	262548	1000	06/19/2018 22:02	CC
Toluene	BRL	5.0		ug/L	262548	1	06/17/2018 20:52	CC
trans-1,2-Dichloroethene	26	5.0		ug/L	262548	1	06/17/2018 20:52	CC
trans-1,3-Dichloropropene	BRL	5.0		ug/L	262548	1	06/17/2018 20:52	CC
Trichloroethene	4500	500		ug/L	262548	100	06/17/2018 21:19	CC
Trichlorofluoromethane	BRL	5.0		ug/L	262548	1	06/17/2018 20:52	CC
Vinyl chloride	BRL	2.0		ug/L	262548	1	06/17/2018 20:52	CC
Surr: 4-Bromofluorobenzene	69.4	68-127		%REC	262548	100	06/17/2018 21:19	CC
Surr: 4-Bromofluorobenzene	73.9	68-127		%REC	262548	1	06/17/2018 20:52	CC
Surr: 4-Bromofluorobenzene	91.9	68-127		%REC	262548	1000	06/19/2018 22:02	CC
Surr: Dibromofluoromethane	96.2	84.4-122		%REC	262548	1	06/17/2018 20:52	CC
Surr: Dibromofluoromethane	115	84.4-122		%REC	262548	1000	06/19/2018 22:02	CC
Surr: Dibromofluoromethane	117	84.4-122		%REC	262548	100	06/17/2018 21:19	CC
Surr: Toluene-d8	83.6	80.1-116		%REC	262548	100	06/17/2018 21:19	CC
Surr: Toluene-d8	85.7	80.1-116		%REC	262548	1000	06/19/2018 22:02	CC
Surr: Toluene-d8	93.7	80.1-116		%REC	262548	1	06/17/2018 20:52	CC

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 20-Jun-18

Client:	Genesis Project, Inc.	**Client Sample ID:**	MW-8S
Project Name	Vogue	**Collection Date:**	6/12/2018 12:15:00 PM
Lab ID:	1806C31-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	262548	1	06/17/2018 22:13	CC
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	262548	1	06/17/2018 22:13	CC
1,1,2-Trichloroethane	BRL	5.0		ug/L	262548	1	06/17/2018 22:13	CC
1,1-Dichloroethane	BRL	5.0		ug/L	262548	1	06/17/2018 22:13	CC
1,1-Dichloroethene	BRL	5.0		ug/L	262548	1	06/17/2018 22:13	CC
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	262548	1	06/17/2018 22:13	CC
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	262548	1	06/17/2018 22:13	CC
1,2-Dibromoethane	BRL	5.0		ug/L	262548	1	06/17/2018 22:13	CC
1,2-Dichlorobenzene	BRL	5.0		ug/L	262548	1	06/17/2018 22:13	CC
1,2-Dichloroethane	BRL	5.0		ug/L	262548	1	06/17/2018 22:13	CC
1,2-Dichloropropane	BRL	5.0		ug/L	262548	1	06/17/2018 22:13	CC
1,3-Dichlorobenzene	BRL	5.0		ug/L	262548	1	06/17/2018 22:13	CC
1,4-Dichlorobenzene	BRL	5.0		ug/L	262548	1	06/17/2018 22:13	CC
2-Butanone	BRL	50		ug/L	262548	1	06/17/2018 22:13	CC
2-Hexanone	BRL	10		ug/L	262548	1	06/17/2018 22:13	CC
4-Methyl-2-pentanone	BRL	10		ug/L	262548	1	06/17/2018 22:13	CC
Acetone	BRL	50		ug/L	262548	1	06/17/2018 22:13	CC
Benzene	BRL	5.0		ug/L	262548	1	06/17/2018 22:13	CC
Bromodichloromethane	BRL	5.0		ug/L	262548	1	06/17/2018 22:13	CC
Bromoform	BRL	5.0		ug/L	262548	1	06/17/2018 22:13	CC
Bromomethane	BRL	5.0		ug/L	262548	1	06/17/2018 22:13	CC
Carbon disulfide	BRL	5.0		ug/L	262548	1	06/17/2018 22:13	CC
Carbon tetrachloride	BRL	5.0		ug/L	262548	1	06/17/2018 22:13	CC
Chlorobenzene	BRL	5.0		ug/L	262548	1	06/17/2018 22:13	CC
Chloroethane	BRL	10		ug/L	262548	1	06/17/2018 22:13	CC
Chloroform	BRL	5.0		ug/L	262548	1	06/17/2018 22:13	CC
Chloromethane	BRL	10		ug/L	262548	1	06/17/2018 22:13	CC
cis-1,2-Dichloroethene	2200	500		ug/L	262548	100	06/17/2018 22:40	CC
cis-1,3-Dichloropropene	BRL	5.0		ug/L	262548	1	06/17/2018 22:13	CC
Cyclohexane	BRL	5.0		ug/L	262548	1	06/17/2018 22:13	CC
Dibromochloromethane	BRL	5.0		ug/L	262548	1	06/17/2018 22:13	CC
Dichlorodifluoromethane	BRL	10		ug/L	262548	1	06/17/2018 22:13	CC
Ethylbenzene	BRL	5.0		ug/L	262548	1	06/17/2018 22:13	CC
Freon-113	BRL	10		ug/L	262548	1	06/17/2018 22:13	CC
Isopropylbenzene	BRL	5.0		ug/L	262548	1	06/17/2018 22:13	CC
m,p-Xylene	BRL	5.0		ug/L	262548	1	06/17/2018 22:13	CC
Methyl acetate	BRL	5.0		ug/L	262548	1	06/17/2018 22:13	CC
Methyl tert-butyl ether	BRL	5.0		ug/L	262548	1	06/17/2018 22:13	CC
Methylcyclohexane	BRL	5.0		ug/L	262548	1	06/17/2018 22:13	CC
Methylene chloride	BRL	5.0		ug/L	262548	1	06/17/2018 22:13	CC
o-Xylene	BRL	5.0		ug/L	262548	1	06/17/2018 22:13	CC

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:** 20-Jun-18

Client:	Genesis Project, Inc.	**Client Sample ID:**	MW-8S
Project Name	Vogue	**Collection Date:**	6/12/2018 12:15:00 PM
Lab ID:	1806C31-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	262548	1	06/17/2018 22:13	CC
Tetrachloroethene	21000	5000		ug/L	262548	1000	06/19/2018 22:29	CC
Toluene	BRL	5.0		ug/L	262548	1	06/17/2018 22:13	CC
trans-1,2-Dichloroethene	10	5.0		ug/L	262548	1	06/17/2018 22:13	CC
trans-1,3-Dichloropropene	BRL	5.0		ug/L	262548	1	06/17/2018 22:13	CC
Trichloroethene	4500	500		ug/L	262548	100	06/17/2018 22:40	CC
Trichlorofluoromethane	BRL	5.0		ug/L	262548	1	06/17/2018 22:13	CC
Vinyl chloride	BRL	2.0		ug/L	262548	1	06/17/2018 22:13	CC
Surr: 4-Bromofluorobenzene	76.8	68-127		%REC	262548	1	06/17/2018 22:13	CC
Surr: 4-Bromofluorobenzene	76.1	68-127		%REC	262548	100	06/17/2018 22:40	CC
Surr: 4-Bromofluorobenzene	76.7	68-127		%REC	262548	1000	06/19/2018 22:29	CC
Surr: Dibromofluoromethane	98.9	84.4-122		%REC	262548	1	06/17/2018 22:13	CC
Surr: Dibromofluoromethane	108	84.4-122		%REC	262548	1000	06/19/2018 22:29	CC
Surr: Dibromofluoromethane	110	84.4-122		%REC	262548	100	06/17/2018 22:40	CC
Surr: Toluene-d8	87.4	80.1-116		%REC	262548	100	06/17/2018 22:40	CC
Surr: Toluene-d8	88.9	80.1-116		%REC	262548	1	06/17/2018 22:13	CC
Surr: Toluene-d8	91	80.1-116		%REC	262548	1000	06/19/2018 22:29	CC

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:** 20-Jun-18

Client:	Genesis Project, Inc.	**Client Sample ID:**	TRIP BLANK
Project Name	Vogue	**Collection Date:**	6/12/2018
Lab ID:	1806C31-003	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	262548	1	06/16/2018 18:21	CC
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	262548	1	06/16/2018 18:21	CC
1,1,2-Trichloroethane	BRL	5.0		ug/L	262548	1	06/16/2018 18:21	CC
1,1-Dichloroethane	BRL	5.0		ug/L	262548	1	06/16/2018 18:21	CC
1,1-Dichloroethene	BRL	5.0		ug/L	262548	1	06/16/2018 18:21	CC
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	262548	1	06/16/2018 18:21	CC
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	262548	1	06/16/2018 18:21	CC
1,2-Dibromoethane	BRL	5.0		ug/L	262548	1	06/16/2018 18:21	CC
1,2-Dichlorobenzene	BRL	5.0		ug/L	262548	1	06/16/2018 18:21	CC
1,2-Dichloroethane	BRL	5.0		ug/L	262548	1	06/16/2018 18:21	CC
1,2-Dichloropropane	BRL	5.0		ug/L	262548	1	06/16/2018 18:21	CC
1,3-Dichlorobenzene	BRL	5.0		ug/L	262548	1	06/16/2018 18:21	CC
1,4-Dichlorobenzene	BRL	5.0		ug/L	262548	1	06/16/2018 18:21	CC
2-Butanone	BRL	50		ug/L	262548	1	06/16/2018 18:21	CC
2-Hexanone	BRL	10		ug/L	262548	1	06/16/2018 18:21	CC
4-Methyl-2-pentanone	BRL	10		ug/L	262548	1	06/16/2018 18:21	CC
Acetone	BRL	50		ug/L	262548	1	06/16/2018 18:21	CC
Benzene	BRL	5.0		ug/L	262548	1	06/16/2018 18:21	CC
Bromodichloromethane	BRL	5.0		ug/L	262548	1	06/16/2018 18:21	CC
Bromoform	BRL	5.0		ug/L	262548	1	06/16/2018 18:21	CC
Bromomethane	BRL	5.0		ug/L	262548	1	06/16/2018 18:21	CC
Carbon disulfide	BRL	5.0		ug/L	262548	1	06/16/2018 18:21	CC
Carbon tetrachloride	BRL	5.0		ug/L	262548	1	06/16/2018 18:21	CC
Chlorobenzene	BRL	5.0		ug/L	262548	1	06/16/2018 18:21	CC
Chloroethane	BRL	10		ug/L	262548	1	06/16/2018 18:21	CC
Chloroform	BRL	5.0		ug/L	262548	1	06/16/2018 18:21	CC
Chloromethane	BRL	10		ug/L	262548	1	06/16/2018 18:21	CC
cis-1,2-Dichloroethene	BRL	5.0		ug/L	262548	1	06/16/2018 18:21	CC
cis-1,3-Dichloropropene	BRL	5.0		ug/L	262548	1	06/16/2018 18:21	CC
Cyclohexane	BRL	5.0		ug/L	262548	1	06/16/2018 18:21	CC
Dibromochloromethane	BRL	5.0		ug/L	262548	1	06/16/2018 18:21	CC
Dichlorodifluoromethane	BRL	10		ug/L	262548	1	06/16/2018 18:21	CC
Ethylbenzene	BRL	5.0		ug/L	262548	1	06/16/2018 18:21	CC
Freon-113	BRL	10		ug/L	262548	1	06/16/2018 18:21	CC
Isopropylbenzene	BRL	5.0		ug/L	262548	1	06/16/2018 18:21	CC
m,p-Xylene	BRL	5.0		ug/L	262548	1	06/16/2018 18:21	CC
Methyl acetate	BRL	5.0		ug/L	262548	1	06/16/2018 18:21	CC
Methyl tert-butyl ether	BRL	5.0		ug/L	262548	1	06/16/2018 18:21	CC
Methylcyclohexane	BRL	5.0		ug/L	262548	1	06/16/2018 18:21	CC
Methylene chloride	BRL	5.0		ug/L	262548	1	06/16/2018 18:21	CC
o-Xylene	BRL	5.0		ug/L	262548	1	06/16/2018 18:21	CC

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:** 20-Jun-18

Client:	Genesis Project, Inc.	**Client Sample ID:**	TRIP BLANK
Project Name	Vogue	**Collection Date:**	6/12/2018
Lab ID:	1806C31-003	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	262548	1	06/16/2018 18:21	CC
Tetrachloroethene	BRL	5.0		ug/L	262548	1	06/16/2018 18:21	CC
Toluene	BRL	5.0		ug/L	262548	1	06/16/2018 18:21	CC
trans-1,2-Dichloroethene	BRL	5.0		ug/L	262548	1	06/16/2018 18:21	CC
trans-1,3-Dichloropropene	BRL	5.0		ug/L	262548	1	06/16/2018 18:21	CC
Trichloroethene	BRL	5.0		ug/L	262548	1	06/16/2018 18:21	CC
Trichlorofluoromethane	BRL	5.0		ug/L	262548	1	06/16/2018 18:21	CC
Vinyl chloride	BRL	2.0		ug/L	262548	1	06/16/2018 18:21	CC
Surr: 4-Bromofluorobenzene	69.6	68-127		%REC	262548	1	06/16/2018 18:21	CC
Surr: Dibromofluoromethane	109	84.4-122		%REC	262548	1	06/16/2018 18:21	CC
Surr: Toluene-d8	82.5	80.1-116		%REC	262548	1	06/16/2018 18:21	CC

Qualifiers:

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

Clear Save as

AES ANALYTICAL ENVIRONMENTAL SERVICES, INC.

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: **Genesis Project, Inc.** AES Work Order Number: **1806C31**

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

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

13. Cooler 1 Temperature 2.1 °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C

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

15. Comments: _____

I certify that I have completed sections 1-15 (dated initials). MJ 6/12/18

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

27. Comments: _____

I certify that I have completed sections 16-27 (dated initials). MJ 6/12/18

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

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

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

I certify that I have completed sections 28-30 (dated initials). MJ 6/12/18

Client: Genesis Project, Inc.
Project Name Vogue
Workorder: 1806C31

ANALYTICAL QC SUMMARY REPORT

BatchID: 262548

Sample ID: **MB-262548** Client ID: Units: **ug/L** Prep Date: **06/16/2018** Run No: **373080**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **262548** Analysis Date: **06/16/2018** Seq No: **8285765**

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
Workorder: 1806C31

ANALYTICAL QC SUMMARY REPORT

BatchID: 262548

Sample ID: **MB-262548** Client ID:
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B**
Units: **ug/L** Prep Date: **06/16/2018** Run No: **373080**
BatchID: **262548** Analysis Date: **06/16/2018** Seq No: **8285765**

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	39.06	0	50.00		78.1	68	127				
Surr: Dibromofluoromethane	51.99	0	50.00		104	84.4	122				
Surr: Toluene-d8	44.74	0	50.00		89.5	80.1	116				

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
Workorder: 1806C31

ANALYTICAL QC SUMMARY REPORT

BatchID: 262548

Sample ID: **LCS-262548** Client ID: Units: **ug/L** Prep Date: **06/16/2018** Run No: **373081**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **262548** Analysis Date: **06/17/2018** Seq No: **8285946**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	34.99	5.0	50.00		70.0	69	136				
Benzene	42.23	5.0	50.00		84.5	73.7	126				
Chlorobenzene	59.15	5.0	50.00		118	73.5	124				
Toluene	54.05	5.0	50.00		108	76.8	125				
Trichloroethene	53.85	5.0	50.00		108	70.9	124				
Surr: 4-Bromofluorobenzene	38.23	0	50.00		76.5	68	127				
Surr: Dibromofluoromethane	43.38	0	50.00		86.8	84.4	122				
Surr: Toluene-d8	42.62	0	50.00		85.2	80.1	116				

Sample ID: **1806F27-003AMS** Client ID: Units: **ug/L** Prep Date: **06/16/2018** Run No: **373081**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **262548** Analysis Date: **06/17/2018** Seq No: **8286438**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	3110	250	2500		124	65.7	143				
Benzene	3058	250	2500	200.0	114	66.1	137				
Chlorobenzene	2985	250	2500		119	70.9	132				
Toluene	2886	250	2500		115	63.8	141				
Trichloroethene	2772	250	2500		111	70.6	128				
Surr: 4-Bromofluorobenzene	1888	0	2500		75.5	68	127				
Surr: Dibromofluoromethane	2569	0	2500		103	84.4	122				
Surr: Toluene-d8	2059	0	2500		82.4	80.1	116				

Sample ID: **1806F27-003AMSD** Client ID: Units: **ug/L** Prep Date: **06/16/2018** Run No: **373081**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **262548** Analysis Date: **06/17/2018** Seq No: **8286439**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	2599	250	2500		104	65.7	143	3110	17.9	17.7	R
Benzene	2870	250	2500	200.0	107	66.1	137	3058	6.34	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
Workorder: 1806C31

ANALYTICAL QC SUMMARY REPORT

BatchID: 262548

Sample ID: **1806F27-003AMSD** Client ID:
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B**
Units: **ug/L** Prep Date: **06/16/2018** Run No: **373081**
BatchID: **262548** Analysis Date: **06/17/2018** Seq No: **8286439**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	2710	250	2500		108	70.9	132	2985	9.64	20	
Toluene	3333	250	2500		133	63.8	141	2886	14.4	20	
Trichloroethene	2586	250	2500		103	70.6	128	2772	6.94	20	
Surr: 4-Bromofluorobenzene	1986	0	2500		79.5	68	127	1888	0	0	
Surr: Dibromofluoromethane	2808	0	2500		112	84.4	122	2569	0	0	
Surr: Toluene-d8	2602	0	2500		104	80.1	116	2059	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 V
Milestone Schedule

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

Item	2016												2017												2018											
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
Task 5d: Compliance Status Report																																				
Groundwater Sampling																																				
Progress Report																																				
Well Installation																																				
Corrective Action EFR																																				
Groundwater & Soil Vapor Sampling																																				
Revised Compliance Status Report																																				

Completed
To Be Completed