Prepared for:

LAFARGE ROAD MARKING, INC.
2675 North Martin Street
East Point, Georgia

SEMIANNUAL VRP PROGRESS REPORT #4 (GROUNDWATER DELINEATION) FORMER LAFARGE ROAD MARKING, INC. East Point, Georgia

Prepared by:

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November 2016

DCN: LRMIVRPR001

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(GROUNDWATER DELINEATION)
FORMER LAFARGE ROAD MARKING, INC.
East Point, Georgia

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East Point, Georgia

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PROFESSIONAL GEOLOGIST CERTIFICATION

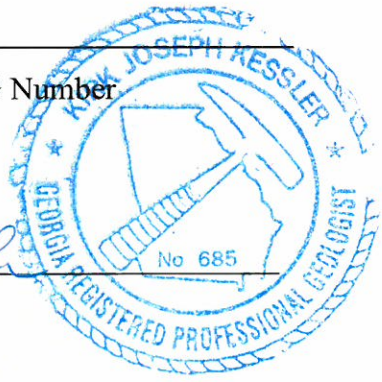
"I certify under penalty of law that this report and all attachments were prepared by me or under my direct supervision in accordance with the Voluntary Remediation Program Act (O.C.G.A. Section 12-8-101, et seq.). I am a professional engineer/professional geologist who is registered with the Georgia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

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

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

Kirk Kessler GA000685 — 11/3/2016

Printed Name and GA PE/PG Number — Date



Signature and Stamp

1 INTRODUCTION

Environmental Planning Specialists Inc. ("EPS") is submitting this Semi-annual Voluntary Remediation Program Progress Report #4 ("Progress Report") on behalf of Lafarge Road Marking, Inc. ("LRM") for its former road painting manufacturing facility located at 2674 North Martin Street in East Point, Georgia ("Site"). Figure 1 shows the location of the Site on a USGS 7.5 minute quadrangle map.

This Progress Report covers the period from May 1, 2016 through October 31, 2016 ("Reporting Period") and is in accordance with the requirements outlined in the Georgia Environmental Protection Division ("EPD") Voluntary Remediation Program ("VRP") and the EPD Consent Order No. EPD-VRP-009.

LRM submitted a VRP application to the EPD in May 2010 and then a revised application in August 2013 (Arcadis, 2013). The EPD accepted the Site into the VRP through a letter dated August 6, 2014 and a proposed Consent Order (EPD-VRP-009). This Consent Order, which was executed on August 6, 2014, superseded the previous Consent Order EPD-HW-562. In accordance with Consent Order EPD-VRP-009, semi-annual progress reports have been submitted for the Site. The purpose of this Progress Report is to update EPD regarding the progress for this Reporting Period and provide the final delineation (off-site) of the groundwater condition.

This Progress Report includes a certification by the Professional Geologist (Kirk Kessler) and Appendix A contains a monthly summary of hours invoiced and description of services provided.

2 SUMMARY OF WORK COMPLETED THIS PERIOD

2.1 Introduction

EPS conducted two episodes of well installations and subsequent groundwater sampling (for off-site delineation) during this Reporting Period. Previous off-site delineation activities involved relatively shallow wells screened in saprolite. The updated Conceptual Site Model ("CSM") presented in the third progress report (submitted in May 2016) recognized the need for additional delineation in the underlying partially-weathered rock ("PWR") and fractured bedrock. Thus, the third progress report proposed installation of nested wells where wells would be screened in each of the strata (saprolite, PWR, and bedrock). In June 2016, EPS installed nested wells at four locations and submitted a summary of the results to the EPD in a letter dated August 5, 2016. In this letter, EPS proposed installation of additional nested wells at three locations further afield. Details about concerning these two well installation events are presented in this section. The EPD concurred with the well locations through various communications with EPS.

The wells were installed using rotosonic drilling methods. Following installation, the wells were sampled following the United States Environmental Protection Agency ("USEPA") Region 4 purging and sampling guidelines (USEPA, 2013) for groundwater. The majority of wells were purged and sampled using the "low-flow/low-stress" method (also known as the micropurge method) using a peristaltic pump. This method involves placing the pump intake at the center of the well screen and purging until water chemistry readings had stabilized. Purging continued until pH and specific conductance had stabilized and turbidity had either stabilized or was below 10 Nephelometric Turbidity Units ("NTU"). At locations where turbidity below 10 NTU was not achievable, values within 10% were considered stable. The water levels in wells that exhibited slow recharge (i.e., excessive drawdown) during purging were allowed (in accordance USEPA Guidance) were allowed to decrease more than the recommended stabilization criterion (or go dry). The deepening of the water table at two wells (MW-51 and MW-54) made it such that a Solinist® Model 408 Double Valve Submersible Pump needed to be used. Appendix B contains the well sampling information. New Teflon tubing (1/4-inch) was used at each sample location and equipment was decontaminated with Alconox and distilled water between wells.

The reverse-flow/straw method was used to collect samples. Groundwater samples were collected in 40 milliliter ("mL") vials preserved with hydrochloric acid ("HCl") and delivered to Analytical Environmental Services, Inc. ("AES") in Atlanta, Georgia for analysis of Volatile Organic Compounds ("VOCs") by USEPA Method 8260B. Analytical laboratory reports are presented in Appendix C. Well construction information is summarized in Table 1 and the analytical results for constituents that were detected are summarized in Table 2.

2.2 June 2016 Well Installation and Sampling

EPS installed nested wells at four off-site locations in June 2016. All wells were located on the parcels immediately north of the Site (1526 and 1562 East Forrest Avenue) as shown on Figure 2. The nested wells consisted wells installed within the same borehole, or two wells at locations with an existing shallow (saprolite) well. A total of ten wells were installed at four locations.

The borings were drilled by Cascade Drilling using rotosonic drilling methods, and continuous soil/rock cores were collected during drilling. Appendix D provides a photo mosaic of the full set of cores from the MW-42/43/44 location. Well screen diagrams are superimposed on the photographs to show the lithology where the wells were screened, and the interpreted interface between saprolite/PWR/bedrock is also indicated.

Six-inch outside diameter rods were advanced to the top of competent bedrock and 4-inch diameter rods were advanced into the competent rock. Each well is composed of a 1-inch diameter PVC well casing with 1-inch diameter, 0.01-inch slotted, 10-ft PVC screen. Drilling logs with well construction diagrams are included as Appendix E and Table 1 contains the pertinent well construction information.

All wells were completed as lockable flush-mount wells within well vaults with concrete pads. Additionally, the three shallow wells (TW-1, TW-2 and TW-3) installed by Arcadis in February 2016 were also completed as lockable flush-mounted wells within concrete pads.

On June 23, 2016, EPS sampled wells MW-39 through MW-48 and TW-1 through TW-3. The wells were sampled approximately one week after the new wells were installed. A summary of the results was submitted to the EPD in a letter dated August 5, 2016.

2.3 September/October 2016 Well Installation and Sampling

A second episode of off-site delineation was conducted in September-October, 2016, which involved installation of nested wells at three locations in road right-of-way areas (Figure 2). EPS obtained a permit from the City of East Point to install the wells. Two of the locations (to the north of the Site) were located along Milledge Street. The third location (northeast of the Site) was located in the median of Norman Berry Parkway.

The same drilling (sonic) and well installation methods were conducted as in the June 2016 event. A shallower depth to PWR at two of the locations necessitated installation of a shorter screen length (5 ft versus 10 ft) at two of the locations for the shallow (saprolite) wells. Well construction information is shown in Table 1 and the well construction diagrams are included in Appendix E. On October 6-7, 2016 (approximately two weeks after the wells were installed), EPS sampled wells MW-49 through MW-57.

2.4 Groundwater Elevations

On October 13, 2016, EPS collected depth to water measurements at 50 of the monitoring wells. The wells were selected to get lateral and vertical coverage across the Site. Figure 3 is a well location map for the Site. The depth to water and groundwater elevations are shown in Table 3. The groundwater flow direction and potentiometric maps are discussed in Section 3.1.

2.5 AS/SVE/DPE Remedial System

The Air Sparge ("AS"), Soil Vapor Extraction ("SVE") and Dual-Phase Extraction ("DPE") system was shut down on April 30, 2016. Table 4 shows a summary of the operation of the vapor treatment system. The associated laboratory data report is included in Appendix C. The mass removal rate was calculated by multiplying the average influent vapor concentrations (measured by Method TO-15) by the flow rate. LRM is currently evaluating the future operation of this system.

2.6 Groundwater Pump-and-Treat System

The groundwater pump-and-treat system was also shut down on July 29, 2016. The system processed 1,999,143 gallons of groundwater during this Reporting Period. Table 5 shows a summary of the system operation for 2016. Despite processing that volume of water, only 182.54 pounds of VOCs were estimated to have been removed from the groundwater during this Reporting Period. The mass removal is calculated by multiplying the average influent concentrations (from Method 8260B) by the volume of water discharged. Appendix F contains disposal manifests since September 2015. On October 21, 2016 a letter was sent to the City of Atlanta requesting that the Groundwater Discharge Permit be terminated.

2.7 Risk Reduction Standards

Investigations conducted since 1983 identified the presence of VOCs in soil and groundwater at the Site. Risk Reduction Standards ("RRSs") were presented in the first Semiannual Progress Report (Arcadis, 2015A), and were approved by the EPD in a letter dated September 3, 2015.

Soil delineation and remediation has been completed at the Site. The Constituents of Concern ("COCs") in soil included the following: benzene, cis-1,2-dichloroethene ("cis-DCE"), ethyl benzene, methylene chloride, lead, trichloroethene ("TCE"), toluene and xylene.

The applicable RRSs for groundwater are shown in Table 6. The list of COCs include those constituents detected in more than 1% of the samples above the Residential RRS (higher of Type 1 and Type 2 RRSs). The COCs in groundwater are as follows: benzene, cis-DCE, ethyl benzene, m&p-xylene, o-xylene, tetrachloroethene ("PCE"), toluene, TCE and vinyl chloride. The primary constituent groups include petroleum hydrocarbons (i.e., benzene, ethylbenzene, toluene, xylene ("BTEX")), and chlorinated hydrocarbons (i.e., PCE, TCE, cis-DCE and vinyl chloride).

3 UPDATES TO THE CONCEPTUAL SITE MODEL

3.1 Topographic Analysis and Groundwater Flow Direction

The topographic slope (gradient) creates the hydraulic gradient, with the direction of groundwater flow mimicking the topography. Valley bottoms are typically hydrologic divides. Ground surface topography obtained from Fulton County's online Geographic Information System was used to mathematically interpolated (Figure 4) for the local area. Norman Berry Drive follows a topographic low and pitches in a southeasterly direction. On Figure 4 the valley bottom (hydrologic divide) is shown in the yellow/green color. This served as a basis for where additional wells were installed this year.

Figures 5 through 7 show the potentiometric surface and groundwater flow direction for each geologic zone. These figures confirm that the general groundwater flow direction is to the northeast from the Site with a turn to the southeast at Norman Berry Drive. On the west side of the Site there is a more northerly flow component; however, overall the general direction is as described previously. This general groundwater flow direction is also shown on Figure 4 along with the ground surface topography showing that groundwater turns at the valley bottom as expected.

3.2 Environmental Condition – Cross-Sections

Updated cross-sections are included as Figure 8 and 9. These cross-sections include the wells installed this year.

4 GROUNDWATER DELINEATION

4.1 Overview

Figure 10 through Figure 18 show the delineation of the COCs in groundwater. These figures show the results of monitoring wells (not remediation wells) in each of the geologic strata. The values shown are the maximum value observed in January 2015 through October 2016. Wells screened over multiple stata are shown on the figures for each stratum. It is important to note that all strata are part of the same aquifer. The distinctions between the strata are only shown to give a better understanding of the groundwater condition vertically. The primary delineation criterion for the VRP program is the Type 1 RRS. A description of the delineation of COCs in the different geologic zones is described below.

4.1.1 Saprolite

Figures 10 through 14 demonstrate that the petroleum hydrocarbons are fully delineated to the Type 1 RRS in all directions in saprolite. Similarly, the chlorinated ethenes (Figures 15 through 18) are fully delineated to the Type 1 RRS in all the directions, with the exception that TCE in the eastern-most location (MW-56) has a concentration (8.2 µg/L) that is slightly above the Type 1 RRS (5 µg/L). The TCE concentration likely diminishes to below the Type 1 RRS a relatively short distance down-gradient of MW-56 along Norman Berry Road. Thus, the TCE condition is adequately delineated in saprolite.

4.1.2 PWR

Figures 10 through 14 demonstrate that the petroleum hydrocarbons are fully delineated to the Type 1 RRS in all directions in PWR. Similarly, the chlorinated ethenes (Figures 15 through 18) are fully delineated to the Type 1 RRS in all the directions, with the exception that TCE in the eastern-most location (MW-57) has a concentration (21 µg/L) that is slightly above the Type 1 RRS (5 µg/L). TCE is adequately delineated to the east. The TCE concentration likely diminishes to below the Type 1 RRS a relatively short distance down-gradient of MW-57 along Norman Berry Road. Thus, the TCE condition is adequately delineated in PWR.

4.1.3 Bedrock

As shown on Figures 10 through 14, petroleum hydrocarbons are adequately delineated in bedrock. Various chlorinated ethane compound concentrations in the northern-most (MW-51) and eastern-most (MW-57) wells exceed the Type 1 RRS. Chlorinated ethane concentrations should be expected to diminish to below the Type 1 RRS further north beyond MW-51, as the land topography rises and the potentiometric surface map shows the groundwater flow direction turns abruptly to the east, mimicking the surface topography. Chlorinated ethane concentrations should

also be expected to diminish to below the Type 1 RRS further east (down-gradient) beyond MW-57, for the same reason explained above for the saprolite/PWR condition.

LRM has undertaken significant disruption of off-site property owners and expense to install these off-site delineation.

The VRP Act recognized that rigid adherence to the delineation criteria may not be achievable or warranted, allowing for technically impracticability as a consideration, as described in 12-8-108(9):

> Technical impracticability. Site delineation or remediation beyond the point of technical impracticability shall not be required if the site does not otherwise pose an imminent or substantial danger to human health and the environment.

where the definition is described in 12-8-102(b)(15) as follows:

> 'Technical impracticability' means the inability to fully delineate or remediate contamination without incremental expenditures disproportionate to the incremental benefit.

The example described in the VRP Act is precisely the condition encountered at LRM. Further support for this position is that there are no drinking water wells in the vicinity (Arcadis, 2015B). Furthermore, Fulton County Ordinance 34-112(c) requires that residences and businesses connect to public water where available, and public water is readily available in the vicinity of the Site.

4.1.4 Vertical Delineation

Deep well MW-25 (screened from 190-200 ft) provides vertical delineation for the Site, as discussed in previous reports.

5 FUTURE WORK

During the next Reporting Period LRM intends to do the following:

1) Sample selected monitoring wells to assess the groundwater condition after cessation of the remediation systems; and
2) Develop and present the final CSM and remediation plan.

6 REFERENCES

Arcadis, 2013. Revised Voluntary Remediation Plan Application. August.

Arcadis, 2015.A \Voluntary Investigation and Remediation Plan - Semiannual Progress Report #1. April.

Arcadis, 2015B. Voluntary Investigation and Remediation Plan - Semiannual Progress Report #2. October.

USEPA Region 4. 2013. Groundwater Sampling Operating Procedure (SESDPROC-301-R3). March.

TABLES

Table 1. Well Construction Information for Nested Wells

Well	Date Installed	Geologic Zone	Top of Casing Elevation (feet)	Ground Elevation (feet)	Total Depth (feet bgs)	Total Depth (feet BTOC)	Screen Interval (feet bgs)	Screen Interval (feet BTOC)	Well Diameter (inch)	X-Coordinate GA State Plane West (feet)	Y-Coordinate GA State Plane West (feet)
MW-39	6/4/2016	Saprolite	1027.68	1027.93	30	29.8	20-30	19.8-29.8	1	2213630.68	1339835.28
MW-40	6/4/2016	PWR	1027.62	1027.93	60	59.7	50-60	49.7-59.7	1	2213630.56	1339834.94
MW-41	6/4/2016	Bedrock	1027.65	1027.93	100	99.7	90-100	89.7-99.7	1	2213630.65	1339835.03
MW-42	6/17/2016	Saprolite	1025.29	1025.57	30	29.7	20-30	19.7-29.7	1	2213619.04	1339936.01
MW-43	6/15/2016	PWR	1025.30	1025.65	60	59.7	60-70	59.7-69.7	1	2213618.93	1339930.15
MW-44	6/15/2016	Bedrock	1025.35	1025.65	110	109.7	100-110	699.7-109.7	1	2213619.25	1339930.03
MW-45	6/12/2016	PWR	1009.18	1009.18	70	70.0	60-70	60-70	1	2213844.47	1340003.14
MW-46	6/12/2016	Bedrock	1009.40	1009.40	110	110.0	100-110	100-110	1	2213844.42	1340003.02
MW-47	6/11/2016	PWR	1008.62	1008.88	73	72.7	63-73	62.7-72.7	1	2213989.14	1339891.10
MW-48	6/11/2016	Bedrock	1008.71	1008.88	117	116.8	107-117	106.8-116.8	1	2213989.07	1339891.00
MW-49	9/23/2016	Saprolite	1026.88	1027.16	91	90.7	20-25	19.7-24.7	1	2213801.93	1340337.23
MW-50	9/23/2016	PWR	1026.79	1027.16	91	90.6	37-47	36.6-46.6	1	2213801.74	1340337.22
MW-51	9/23/2016	Bedrock	1026.83	1027.16	91	90.7	80-90	79.7-89.7	1	2213801.84	1340337.09
MW-52	9/21/2016	Saprolite	1015.56	1015.95	86	85.6	17-22	16.6-21.6	1	2214068.11	1340188.93
MW-53	9/21/2016	PWR	1015.55	1015.95	86	85.6	34-44	33.6-43.6	1	2214068.05	1340188.93
MW-54	9/21/2016	Bedrock	1015.55	1015.95	86	85.6	75.5-85.5	75.1-85.1	1	2214068.14	1340189.08
MW-55	9/20/2016	Saprolite	1003.25	1003.48	70	69.8	7-17	6.8-16.8	1	2214256.20	1339759.75
MW-56	9/20/2016	PWR	1003.25	1003.48	70	69.8	25-35	24.8-34.8	1	2214256.20	1339759.75
MW-57	9/20/2016	Bedrock	1003.25	1003.48	70	69.8	59-69	58.8-68.8	1	2214256.20	1339759.75

bgs: below ground surface
BTOC: below top of casing

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Table 2. Groundwater Results for Detected Constituents (June-October, 2016)

Well	Date Sampled	Zone	1,1-Dichloro-ethene	4-Methyl-2-pentanone	Benzene	Chloroform	cis-1,2-Dichloro-ethene	Cyclo-hexane	Ethyl benzene	Isopropyl benzene	Methylene chloride	m&p-Xylene
MW-39	6/23/2016	Saprolite	<5	<10	<5	13	22	<5	<5	<5	<10	<5
MW-40	6/23/2016	PWR	<5	<10	<5	<5	27	<5	<5	<5	<10	<5
MW-41	6/23/2016	Bedrock	24	340	31	5.4	9600	24	740	6.9	120	3100
MW-42	6/23/2016	Saprolite	<5	<10	<5	18	<5	<5	<5	<5	<10	<5
MW-43	6/23/2016	PWR	<5	<10	<5	<5	110	<5	<5	<5	<10	<5
MW-44	6/23/2016	Bedrock	7.9	19	<5	<5	2700	<5	<5	<5	<10	14
MW-45	6/23/2016	PWR	<5	<10	<5	<5	360	<5	<5	<5	<10	<5
MW-46	6/23/2016	Bedrock	<5	16	<5	6.4	500	8.7	200	<5	<10	700
MW-47	6/23/2016	PWR	<5	<10	<5	<5	630	<5	<5	<5	<10	<5
MW-48	6/23/2016	Bedrock	<5	<10	<5	<5	680	<5	<5	<5	<10	<5
TW-01	6/23/2016	Saprolite	<5	<10	<5	<5	230	<5	<5	<5	<10	<5
TW-02	6/23/2016	Saprolite	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5
TW-03	6/23/2016	Saprolite	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5
MW-49	10/7/2016	Saprolite	<5	<10	<5	14	<5	<5	<5	<5	<5	<5
MW-50	10/7/2016	PWR	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5
MW-51	10/7/2016	Bedrock	<5	<10	31	5.6	900	<5	<5	<5	<5	<5
MW-52	10/7/2016	Saprolite	<5	<10	<5	8.1	<5	<5	<5	<5	<5	<5
MW-53	10/7/2016	PWR	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5
MW-54	10/7/2016	Bedrock	<5	<10	<5	26	<5	<5	<5	<5	<5	<5
MW-55	10/7/2016	Saprolite	<5	<10	<5	<5	11	<5	<5	<5	<5	<5
MW-56	10/7/2016	PWR	<5	<10	<5	<5	36	<5	<5	<5	<5	<5
MW-57	10/7/2016	Bedrock	<5	<10	<5	8.8	100	<5	<5	<5	<5	<5

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Table 2. Groundwater Results for Detected Constituents (June-October, 2016)

Well	Date Sampled	Zone	Well	Date Sampled	Zone	Methyl-cyclohexane	o-Xylene	Tetrachloro-ethene	Toluene	Trichloro-ethene	Vinyl chloride
MW-39	6/23/2016	Saprolite	MW-39	6/23/2016	Saprolite	<5	<5	<5	10	310	<2
MW-40	6/23/2016	PWR	MW-40	6/23/2016	PWR	<5	<5	<5	<5	9	3.6
MW-41	6/23/2016	Bedrock	MW-41	6/23/2016	Bedrock	<5	650	33	4600	130000	36
MW-42	6/23/2016	Saprolite	MW-42	6/23/2016	Saprolite	<5	<5	<5	<5	<5	<2
MW-43	6/23/2016	PWR	MW-43	6/23/2016	PWR	<5	<5	<5	<5	32	<2
MW-44	6/23/2016	Bedrock	MW-44	6/23/2016	Bedrock	<5	<5	5.4	60	3700	16
MW-45	6/23/2016	PWR	MW-45	6/23/2016	PWR	<5	<5	<5	<5	260	3.2
MW-46	6/23/2016	Bedrock	MW-46	6/23/2016	Bedrock	23	190	14	350	29000	4.5
MW-47	6/23/2016	PWR	MW-47	6/23/2016	PWR	<5	<5	<5	<5	620	6.8
MW-48	6/23/2016	Bedrock	MW-48	6/23/2016	Bedrock	<5	<5	<5	<5	960	5.5
TW-01	6/23/2016	Saprolite	TW-01	6/23/2016	Saprolite	<5	<5	6.4	<5	19	2.6
TW-02	6/23/2016	Saprolite	TW-02	6/23/2016	Saprolite	<5	<5	<5	<5	<5	<2
TW-03	6/23/2016	Saprolite	TW-03	6/23/2016	Saprolite	<5	<5	<5	<5	<5	<2
MW-49	10/7/2016	Saprolite	MW-49	10/7/2016	Saprolite	<5	<5	<5	<5	<5	<2
MW-50	10/7/2016	PWR	MW-50	10/7/2016	PWR	<5	<5	<5	<5	<5	<2
MW-51	10/7/2016	Bedrock	MW-51	10/7/2016	Bedrock	<5	<5	52	<5	330	5.7
MW-52	10/7/2016	Saprolite	MW-52	10/7/2016	Saprolite	<5	<5	<5	<5	<5	<2
MW-53	10/7/2016	PWR	MW-53	10/7/2016	PWR	<5	<5	<5	<5	<5	<2
MW-54	10/7/2016	Bedrock	MW-54	10/7/2016	Bedrock	<5	<5	<5	<5	<5	<2
MW-55	10/7/2016	Saprolite	MW-55	10/7/2016	Saprolite	<5	<5	<5	<5	8.2	<2
MW-56	10/7/2016	PWR	MW-56	10/7/2016	PWR	<5	<5	<5	<5	21	<2
MW-57	10/7/2016	Bedrock	MW-57	10/7/2016	Bedrock	<5	<5	<5	<5	57	<2

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Table 3. Depth to Groundwater Measurements (October 13, 2016)

Well	Geologic Zone	Top of Casing Elevation (ft)	Depth to Water (ft BTOC)	Groundwater Elevation (ft)
MW-2	Saprolite	1026.53	14.25	1012.28
MW-5	Bedrock	1028.24	17.18	1011.06
MW-6	Saprolite/PWR	1041.48	27.62	1013.86
MW-9	Bedrock	1020.63	8.96	1011.67
MW-11	PWR	1023.46	16.93	1006.53
MW-13	PWR	1020.67	13.95	1006.72
MW-15	Saprolite/PWR	1029.09	18.78	1010.31
MW-16	Bedrock	1029.02	18.36	1010.66
MW-17	Saprolite/PWR	1033.99	21.28	1012.71
MW-18	Saprolite/PWR	1043.04	28.65	1014.39
MW-19	Saprolite	1023.68	17.73	1005.95
MW-20	Saprolite	1020.98	10.56	1010.42
MW-21	Saprolite	1028.56	16.05	1012.51
MW-22	Saprolite	1023.45	18.08	1005.37
MW-23	PWR	1037.23	24.89	1012.34
MW-24	Saprolite	1037.19	25.27	1011.92
MW-25	Deep Bedrock	1027.99	2.72	1025.27
MW-26	Saprolite	1020.75	9.92	1010.83
MW-27	Saprolite	1021.13	9.53	1011.60
MW-28	Saprolite	1008.03	6.53	1001.50
MW-29	Saprolite	1007.95	5.75	1002.20
MW-30	PWR	1017.75	6.90	1010.85
MW-31	Saprolite	1017.95	7.33	1010.62
MW-33	Saprolite	1029.56	17.31	1012.25
MW-34	Bedrock	1029.54	17.08	1012.46
MW-36	Bedrock	1029.99	20.04	1009.95
MW-37	Saprolite	1008.53	3.95	1004.58
MW-38	Saprolite	1011.71	12.20	999.51
MW-39	Saprolite	1027.68	17.70	1009.98
MW-40	PWR	1027.62	16.42	1011.20
MW-41	Bedrock	1027.65	18.45	1009.20
MW-42	Saprolite	1025.29	17.03	1008.26
MW-43	PWR	1025.30	16.90	1008.40
MW-44	Bedrock	1025.35	18.74	1006.61
MW-45	PWR	1009.18	2.60	1006.58
MW-46	Bedrock	1009.40	2.48	1006.92
MW-47	PWR	1008.62	4.35	1004.27
MW-48	Bedrock	1008.71	2.45	1006.26
MW-49	Saprolite	1026.88	20.45	1006.43
MW-50	PWR	1026.79	21.21	1005.58
MW-51	Bedrock	1026.83	23.27	1003.56
MW-52	Saprolite	1015.56	14.73	1000.83
MW-53	PWR	1015.55	14.74	1000.81
MW-54	Bedrock	1015.55	16.13	999.42
MW-55	Saprolite	1003.25	7.53	995.72
MW-56	PWR	1003.25	7.55	995.70
MW-57	Bedrock	1003.25	7.43	995.82
TW-01	Saprolite	1011.29	5.05	1006.24
TW-02	Saprolite	1025.47	17.68	1007.79
TW-03	Saprolite	1005.66	5.40	1000.26

EPS

Table 4. Vapor Treatment System Analytical Summary

Sample Location	Date	Hour Meter	System Vacuum (in. Hg)	Flow Rate (scfm)	OVA (ppm)	Benzene	Toluene	Ethyl-benzene	Total Xylenes	n-Heptane	n-Hexane	Methylene Chloride	cis-1-2-Dichloroethene	TCE	Total cVOCs	TRPH	Emission/Recovery Rate (lb/day)	Emission/Recovery Mass (lbs)	Total Mass Recovered (lbs)
SVE INF	10/8/13	*6*	10	*1,200*	291	10 U	2,500	120	395	2,400	9,500	10 U	200	530	730	38,000	4,168.9	1,042.2	1,042
SVE INF	10/9/13	*24*	9	1,195	1,166	10 U	3,000	140	472	2,200	9,000	10 U	300	710	1,010	38,000	4,181.5	3,136.2	4,178
SVE INF	10/10/13	*40*	7	880	1,157	10 U	2,600	55	857	2,000	7,300	10 U	48	600	648	35,000	2,813.9	1,875.9	6,054
SVE INF	10/15/13	*58*	8	1,492	3,000	10 U	3,200	200	761	2,400	8,100	10 U	250	840	1,090	35,000	4,830.0	3,622.5	9,677
SVE INF	10/16/13	*74*	9	1,493	4,990	10 U	2,300	150	453	1,600	5,500	10 U	270	690	960	25,000	3,476.6	2,317.7	11,995
SVE INF	11/18/13	*96*	6	1,494	600	10 U	360	210	830	2,000	6,600	10 U	310	800	1,110	31,000	4,303.1	3,944.5	15,939
SVE INF	11/19/13	*120*	6	1,494	749	10 U	1,800	130	527	1,100	3,200	10 U	170	630	800	17,000	2,385.4	2,385.4	18,325
SVE INF	11/20/13	*144*	6	1,494		10 U	1,300	99	268	830	2,200	16	97	470	567	12,000	1,684.1	1,684.1	20,009
SVE INF	12/16/13	*160*	6	494		10 U	3,100	120	427	1,500	1,900	84	620	2,300	2,920	17,000	882.7	588.5	20,597
SVE INF	12/20/13	*168*	6	594		10 U	1,900	84	312	860	1,300	17	170	1,200	1,370	10,000	605.8	201.9	20,799
SVE INF	12/23/13	*216*	6	594		10 U	2,400	110	458	900	1,300	10 U	180	1,300	1,480	11,000	665.0	1,329.9	22,129
SVE INF	12/27/13	*314*	8	619	1,130	10 U	1,100	57	222	460	820	10 U	40	430	470	5,800	348.1	1,421.6	23,551
SVE INF	1/2/14	*402*	9	559	925	10 U	1,200	66	247	460	1,100	10 U	37	310	347	6,500	343.3	1,258.9	24,809
SVE INF	1/10/14	*545*	10	526		10 U	820	50	186	360	1,000	10 U	24	180	204	5,200	255.0	1,519.2	26,329
SVE INF	1/18/14	*666*	10	597		10 U	560	37	155	180	620	10 U	10	81	91	3,100	170.9	861.5	27,190
SVE INF	1/24/14	*786*	6	617		10 U	430	29	111	160	540	10 U	10 U	57	57	2,600	147.1	735.3	27,925
SVE INF	2/1/14	*930*	8	615	434	10 U	400	27	101	160	540	10 U	10 U	57	57	2,600	146.6	879.4	28,805
SVE INF	2/6/14	*1,014*	9	517		10 U	550	34	131	180	480	10 U	15	54	69	2,600	123.8	433.2	29,238
SVE INF	3/5/14	*1,470*	9	862		10 U	580	42	166	200	330	10 U	10 U	54	54	2,800	220.7	4,192.8	33,431
SVE INF	3/20/14	*1,830*	8	599		14	500	62	272	220	330	10 U	10U	54	54	2,900	158.7	2,380.8	35,812
SVE INF	4/8/14	*2,214*	8	648	2,468	10 U	550	42	131	180	480	10 U	15	54	69	2,600	155.1	2,482.2	38,294
SVE INF	4/25/14	*2,262*	10	483	621	10 U	330	28	119	150	190	10 U	18	110	128	1,900	87.9	175.7	38,470
SVE INF	5/23/14	*2,934*	4	815	364	10 U	280	33	127	120	170	10 U	10	77	87	1,800	138.0	3,862.6	42,332
SVE INF	7/16/14	*3,636*	4	808		16	360	39	204	180	290	10 U	18	140	158	2,700	207.1	6,058.9	48,391
SVE-INF	8/5/14	*4,270*	*8*	*298*		20	440	53	252	250	410	10U	18	130	148	3,700	102.9	2,716.8	51,108
SVE INF	10/21/14	*5,678*	3	173		50	700	37	196	360	1,600	10 U	260	290	550	7,600	126.5	7,419.7	58,528
SVE INF	10/22/14	*5,697*	2	160		28	380	23	109	250	1,200	10 U	100	130	230	5,600	83.7	67.3	58,595
SVE INF	11/4/14	*5,966*	2	223		75	1,100	83	401	700	1,800	10 U	220	360	580	12,000	251.6	2,815.2	61,410
SVE INF	1/20/15	*6,726*	3	242	879	40	620	55	277	350	1,200	10 U	110	170	280	7,000	158.0	5,004.9	66,415
SVE INF	1/20/15	*6,729*	3	242		55	770	62	337	460	1,200	10 U	90	180	270	8,100	181.7	22.0	66,437
SVE INF	1/20/15	*6,730*	3	242		60	700	50	265	430	1,400	10U	120	200	320	8,500	191.5	8.8	66,446
SVE INF	1/29/15	*6,917*	2	287	767	110	600	72	294	1,200	4,200	10 U	38	10 U	38	19,000	489.3	3,820.3	70,266
SVE INF	1/29/15	*6,921*	2	287	750	190	1,200	86	366	1,700	8,700	10 U	92	19	111	33,000	850.9	148.9	70,415
SVE INF	1/29/15	*6,926*	2	287	780	240	1,200	100	447	2,700	10,000	10 U	64	10 U	64	37,000	952.5	174.6	70,590
SVE INF	2/23/15	*7,136*	2	279		110	1,200	64	300	1,100	2,900	10 U	57	89	146	15,000	379.0	3,321.1	73,911
SVE INF	2/23/15	*7,137*	2	279	1,117	93	1,000	47	216	830	2,400	10 U	50	82	132	13,000	328.6	15.1	73,926
SVE INF	3/26/15	*7,630*	2	223		260	2,300	75	326	1,600	6,100	10 U	210	450	660	29,000	593.3	12,190.1	86,116
SVE INF	3/26/15	*7,636*	2	223	1,740	92	1,200	85	406	720	1,400	10 U	42	160	202	11,000	224.1	51.4	86,167
SVE INF	4/17/15	*8,063*	2	223		92	1,100	85	428	810	1,300	10 U	160	300	460	12,000	249.2	4,439.6	90,607
SVE INF	4/17/15	*8,063*	2	223		92	1,200	83	437	820	1,200	10 U	160	280	440	12,000	248.8	0.0	90,607
SVE INF	6/2/15	*8,878*	2	246		120	1,400	81	370	920	2,400	10 U	280	430	710	14,000	324.6	11,011.8	101,619
SVE INF	6/2/15	*8,881*	2	246		260	2,500	150	680	1,600	6,200	10 U	850	880	1,730	31,000	722.2	90.3	101,709
SVE INF	8/4/15	*9,977*	2	351		10 U	290	28	135	190	910	10 U	10 U	23	3,033	4,300	230.5	10,529.3	112,238
SVE INF	8/4/15	*9,983*	2	351		10 U	230	21	121	250	1,500	10 U	850	880	4,180	6,000	320.1	80.0	112,318
SVE INF	9/2/15	*10,651*	2	187		35	280	21	111	190	1,200	10 U	57	43	500	5,900	107.4	2,991.1	115,309
SVE INF	9/2/15	*10,657*	2	187		32	480	34	180	260	880	10 U	29	50	569	5,500	101.8	25.5	115,335
SVE INF	9/11/15	*10,706*	2	154		43	360	20	118	10 U	10 U	10 U	10 U	83	623	6,100	92.9	188.4	115,523
SVE INF	9/11/15	*10,712*	2	154		24	170	13	79	10 U	10 U	10 U	10 U	42	282	3,800	56.4	14.1	115,537
SVE INF	10/13/15	*11,461*	2	491		10 U	370	31	154	200	280	10 U	10 U	87	3,287	3,100	281.3	8,777.8	124,315
SVE INF	10/13/15	*11,467*	2	491		10 U	170	12	54	100	430	10 U	10 U	73	2,273	2,600	214.6	53.7	124,369
SVE INF	11/23/15	*12,268*	2	157		10 U	150	10	46	91	440	10 U	10 U	42	1,842	2,600	62.6	2,088.3	126,457
SVE INF	11/23/15	*12,274*	2	157		10 U	160	14	75	100	210	10 U	10 U	29	1,629	1,800	48.3	12.1	126,469
SVE INF	1/8/16	*13,303*	2	180		10 U	200	10 U	41	160	650	10 U	190	94	284	3,500	61.1	2,619.3	129,088
SVE INF	1/8/16	*13,304*	2	180		10 U	230	10	62	170	460	10 U	140	79	219	3,200	55.2	2.3	129,091
SVE INF	2/16/16	*14,194*	4	254		10 U	200	10 U	32	120	530	10 U	97	49	146	3,300	78.5	2,910.5	132,001
SVE INF	2/16/16	*14,195*	4	254		10 U	230	10 U	38	130	610	10 U	110	60	170	3,800	90.5	3.8	132,005

Table 4. Vapor Treatment System Analytical Summary

Sample Location	Date	Hour Meter	System Vacuum (in. Hg)	Flow Rate (scfm)	OVA (ppm)	Benzene	Toluene	Ethyl-benzene	Total Xylenes	n-Heptane	n-Hexane	Methylene Chloride	cis-1-2-Dichloroethene	TCE	Total cVOCs	TRPH	Emission/Recovery Rate (lb/day)	Emission/Recovery Mass (lbs)	Total Mass Recovered (lbs)
SVE INF	3/29/16	*15,177*	2	190		10 U	230	10 U	30	120	310	10 U	10 U	64	64	2,200	38.6	1,579.9	133,585
SVE INF	3/29/16	*15,180*	2	190		10 U	180	10 U	26	94	200	10 U	10 U	45	45	1,600	28.0	3.5	133,588
SVE EFF	10/8/13	*6*	10	*1,200*	62	10 U	10 U	10 U	30 U	10 U	10 U	10 U	150	10 U	150	100 U	21.5	5.4	5
SVE EFF	10/9/13	*24*	9	1,195	96	10 U	74	*10*	24	21	16	10 U	10	25	35	820	91.6	68.7	74
SVE EFF	10/10/13	*40*	7	880	4	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U	10 U	BDL	100 U	4.3	2.9	77
SVE EFF	10/15/13	*58*	8	1,492	5	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U	10 U	BDL	100 U	7.4	5.5	83
SVE EFF	10/16/13	*74*	9	1,493	229	10 U	10 U	10 U	30 U	10 U	14,000	10 U	10 U	10 U	BDL	25,000	3,348.1	2,232.0	2,315
SVE EFF	11/18/13	*96*	6	1,494	10	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U	10 U	BDL	100 U	7.4	6.8	2,321
SVE EFF	11/19/13	*120*	6	1,494	3	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U	10 U	BDL	100 U	7.4	7.4	2,329
SVE EFF	11/20/13	*144*	6	1,494	3	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U	10 U	BDL	120	16.1	16.1	2,345
SVE EFF	11/21/13	*160*	6	494	3	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U	10 U	BDL	100 U	2.4	1.6	2,346
SVE EFF	12/20/13	*168*	6	594		10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U	10 U	BDL	100 U	2.9	1.0	2,347
SVE EFF	12/27/13	*216*	6	594	0	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U	10 U	BDL	100 U	2.9	5.9	2,353
SVE EFF	1/2/14	*314*	8	619	0	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U	10 U	BDL	100 U	3.1	12.5	2,366
SVE EFF	1/10/14	*402*	9	559		10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U	10 U	BDL	100 U	2.8	10.1	2,376
SVE EFF	1/18/14	*545*	10	526		10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U	10 U	BDL	100 U	2.6	15.5	2,391
SVE EFF	1/18/14	*666*	10	597		10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U	10 U	BDL	100 U	2.9	14.8	2,406
SVE EFF	1/24/14	*786*	6	617		10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U	10 U	BDL	100 U	3.0	15.2	2,421
SVE EFF	2/1/14	*930*	8	615	48	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U	10 U	BDL	620	34.2	205.2	2,627
SVE EFF	2/6/14	*1,014*	9	517		10 U	10 U	10 U	30 U	10 U	11	10 U	10 U	10 U	BDL	700	32.5	113.6	2,740
SVE EFF	3/5/14	*1,470*	9	862		10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U	10 U	BDL	100 U	4.3	80.8	2,821
SVE EFF	3/20/14	*1,830*	8	599	48	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U	10 U	BDL	100 U	3.0	44.3	2,865
SVE EFF	4/8/14	*2,214*	8	648		10 U	10 U	10 U	30 U	10 U	520	10 U	10 U	10 U	BDL	1,100	63.9	1,025.4	3,891
SVE EFF	4/25/14	*2,262*	10	483		10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U	10 U	BDL	100 U	2.4	4.8	3,895
SVE EFF	5/23/14	*2,934*	4	815		10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U	10 U	BDL	100 U	4.0	112.6	4,008
SVE EFF	7/16/14	*3,636*	4	808		10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U	10 U	BDL	100 U	4.0	116.6	4,125
SVE-EFF	8/5/14	*4,270*	*8*	*298*		10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U	10 U	BDL	100 U	1.5	38.8	4,163
SVE-EFF	9/23/14	*5,366*	*4*	851		10 U	16	10 U	21	10 U	10 U	10 U	10 U	10 U	BDL	380	29.0	1,324.7	5,488
SVE-EFF	10/21/14	*5,678*	3	173	0	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U	10 U	BDL	100 U	0.9	11.1	5,499
SVE-EFF	10/22/14	*5,697*	2	160	0	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U	10 U	BDL	100 U	0.8	0.6	5,500
SVE-EFF	3/26/15	*7,630*	2	223	1	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U	10 U	BDL	100 U	1.1	88.6	5,588
SVE-EFF	4/17/15	*8,063*	2	222		10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U	10 U	BDL	100 U	1.1	19.8	5,608
SVE-EFF	6/2/15	*8,878*	2	246		10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U	10 U	BDL	100 U	1.2	41.2	5,649
SVE-EFF	8/5/15	*9,979*	2	351		10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U	10 U	BDL	100 U	1.7	79.3	5,729
SVE-EFF	9/2/15	*10,671*	2	187		10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U	10 U	BDL	100 U	0.9	26.6	5,755
SVE-EFF	10/13/15	*11,461*	2	491		10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U	10 U	BDL	100 U	2.4	79.8	5,835
SVE-EFF	11/21/15	*12,220*	2	157		10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U	10 U	BDL	100 U	0.8	24.5	5,860
SVE-EFF	2/16/16	*14,194*	4	254		10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U	10 U	BDL	100 U	1.3	103.0	5,963
SVE-EFF	3/29/16	*14,194*	2	190		10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U	10 U	BDL	100 U	0.9	0.0	5,963
GAC-MID	12/20/13	*200*	6	250		10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U	10 U	BDL	100 U	1.2	10.3	--
GAC-MID	2/1/14	*930*	6	177		10 U	10 U	10 U	30 U	29	850	10 U	19	270	289	2,600	45.9	#REF!	--
GAC-MID	4/8/14	*2,214*	8	500	320	10 U	180	10 U	30 U	180	170	10 U	10 U	42	42	1,000	46.7	3,921.7	--
Z1 SVE INF	11/21/13	*24*	5	*339*		10 U	270	37	147	100	21	10 U	35	61	96	1,600	51.6	51.6	--
Z1 SVE INF	11/21/13	*24*	5	339		10 U	1,100	*87*	300	950	1,000	10 U	10	410	420	9,700	307.7	307.7	--
Z1 SVE INF	3/5/14	*24*	*8*	250		10 U	100	14	72	48	35	10 U	14	19	33	930	21.6	21.6	--
Z1 SVE INF	1/20/15	*12*	3	242		55	770	62	337	460	1,200	10 U	90	180	270	8,100	181.7	90.8	--
Z1 SVE INF	4/17/15	*12*	2	223		92	1,200	83	437	820	1,200	10 U	160	280	440	12,000	248.8	124.4	--
Z1 SVE INF	6/2/15	*12*	2	246		260	2,500	150	680	1,600	6,200	10 U	850	880	1,730	31,000	722.2	361.1	--
Z1 SVE INF	9/11/15	*12*	2	154		24	170	13	79	10 U	10 U	10 U	10 U	42	282	3,800	56.4	28.2	--
Z1 SVE INF	10/13/15	*12*	2	491		10 U	170	12	54	100	430	10 U	10 U	73	2,273	2,600	214.6	107.3	--
Z1 SVE INF	1/8/16	*12*	2	180		10 U	230	10	62	170	460	10 U	140	79	219	3,200	55.2	27.6	--
Z1 SVE INF	3/29/16	*12*	2	190		10 U	230	10 U	30	120	310	10 U	10 U	64	64	2,200	38.6	19.3	--
Z2 SVE INF	11/21/13	*24*	4	208		10 U	1,400	59	233	610	560	57	350	1,200	1,550	6,600	152.1	152.1	--
Z2 SVE INF	11/21/13	*24*	4	208		10 U	2,100	89	321	1,100	1,400	130	600	1,700	2,300	12,000	266.8	266.8	--
Z2 SVE INF	12/19/13	*24*	4	260		10 U	3,100	120	427	1,500	1,900	84	620	2,300	2,920	17,000	464.6	464.6	--
Z2 SVE INF	3/5/14	*24*	*8*	*250*		10 U	1,800	120	481	600	1,000	10U	11	140	151	7,700	176.1	176.1	--
Z2 SVE INF	5/23/14	*24*	*8*	*285*		29	830	97	379	350	480	10U	28	220	248	5,200	139.3	139.3	--

EPS

Table 4. Vapor Treatment System Analytical Summary

Sample Location	Date	Hour Meter	System Vacuum (in. Hg)	Flow Rate (scfm)	OVA (ppm)	Benzene	Toluene	Ethyl-benzene	Total Xylenes	n-Heptane	n-Hexane	Methylene Chloride	cis-1-2-Dichloroethene	TCE	Total cVOCs	TRPH	Emission/Recovery Rate (lb/day)	Emission/Recovery Mass (lbs)	Total Mass Recovered (lbs)
Z2 SVE INF	7/16/14	*24*	*8*	*301*		45	1,100	100	526	510	920	10U	56	430	486	7,500	215.6	215.6	--
Z2 SVE INF	1/20/15	*12*	3	242		60	700	50	265	430	1,400	10U	120	200	320	8,500	191.5	95.7	--
Z2 SVE INF	4/17/15	*12*	2	223		92	1,100	85	428	810	1,300	10 U	160	300	460	12,000	249.2	124.6	--
Z2 SVE INF	6/2/15	*12*	2	246		120	1,400	81	370	920	2,400	10 U	280	430	710	14,000	324.6	162.3	--
Z2 SVE INF	9/11/15	*12*	2	154		43	360	20	118	10 U	10 U	10 U	10 U	83	623	6,100	92.9	46.4	--
Z2 SVE INF	10/13/15	*12*	2	491		10 U	370	31	154	200	280	10 U	10 U	87	3,287	3,100	281.3	140.7	--
Z2 SVE INF	1/8/16	*12*	2	180		10 U	200	10 U	41	160	650	10 U	190	94	284	3,500	61.1	30.5	--
Z2 SVE INF	3/29/16	*12*	2	190		10 U	180	10 U	26	94	200	10 U	10 U	45	45	1,600	28.0	14.0	--
Z3 SVE INF	11/21/13	*24*	4	381		10 U	3,600	240	750	1,200	2,900	10 U	73	900	973	20,000	716.8	716.8	--
Z3 SVE INF	11/21/13	*24*	4	381		10 U	4,800	310	1,020	2,100	8,900	10 U	81	1,100	1,181	36,000	1,270.7	1,270.7	--
Z3 SVE INF	1/29/15	*24*	2	287		190	1,200	86	366	1,700	8,700	10 U	92	19	111	33,000	850.9	850.9	--
Z3 SVE INF	2/23/15	*12*	2	250		93	1,000	47	216	830	2,400	10 U	50	82	132	13,000	294.5	147.2	--
Z3 SVE INF	3/26/15	*12*	2	223		260	2,300	75	326	1,600	6,100	10 U	210	450	660	29,000	593.3	296.6	--
Z3 SVE INF	8/4/15	*12*	2	351		10 U	290	28	135	190	910	10 U	10 U	23	3,033	4,300	230.9	115.4	--
Z3 SVE INF	9/2/15	*12*	2	187		32	480	34	180	260	880	10 U	29	50	569	5,500	101.8	50.9	--
Z3 SVE INF	11/21/15	*12*	2	157		10 U	150	10	46	91	440	10 U	10 U	42	1,842	2,600	62.6	31.3	--
Z3 SVE INF	2/16/16	*12*	4	254		10 U	200	10 U	32	120	530	10 U	97	49	146	3,300	78.5	39.3	--
Z4 SVE INF	11/21/13	*24*	4	389		10 U	590	77	131	1,000	3,500	10 U	12	33	45	16,000	559.9	559.9	--
Z4 SVE INF	11/21/13	*24*	4	389		10 U	1,200	150	397	3,100	9,600	10 U	18	91	109	36,000	1,260.0	1,260.0	--
Z4 SVE INF	1/29/15	*24*	2	287		240	1,200	100	447	2,700	10,000	10 U	64	10 U	64	37,000	952.5	952.5	--
Z4 SVE INF	2/23/15	*12*	2	250		110	1,200	64	300	1,100	2,900	10 U	57	89	146	15,000	339.6	169.8	--
Z4 SVE INF	3/26/15	*12*	2	223		92	1,200	85	406	720	1,400	10 U	42	160	202	11,000	224.1	112.0	--
Z4 SVE INF	8/4/15	*12*	2	351		10 U	230	21	121	250	1,500	10 U	850	880	4,180	6,000	320.5	160.3	--
Z4 SVE INF	9/2/15	*12*	2	187		35	280	21	111	190	1,200	10 U	57	43	500	5,900	107.4	53.7	--
Z4 SVE INF	11/21/15	*12*	2	157		10 U	160	14	75	100	210	10 U	10 U	29	1,629	1,800	48.3	24.1	--
Z4 SVE INF	2/16/16	*12*	4	254		10 U	230	10 U	38	130	610	10 U	110	60	170	3,800	90.5	45.2	--

Notes:

Analytical Results = mg/m_3

in. Hg = inches of mercury

ppm = parts per million

lbs = pounds

TCE = tricholorethene

cVOC = chlorinated Volatile Organic Compounds

TRPH = total recoverable petroleum hydrocarbons

Italics = estimated (flow rate) or estimate hour meter reading

Source: Information obtained from Arcadis

Table 5. Groundwater Recovery and Treatment System Operation

Month	Average Influent Total VOC (ug/l)	Estimated Total VOC Removed (lbs)	Plant Influent (gal)	Discharged	
				to POTW (gal)	to Infiltration Gallery (gal)
2016					
January	16,605	56.20	539,671	539,671	0
February	3,595	14.85	504,595	504,595	0
March	17,288	71.98	499,207	499,207	0
April	4,565	16.52	433,791	433,791	0
May	4,363	13.59	373,495	373,495	0
June	1,826	5.12	336,230	336,230	0
July	1,521	4.28	337,627	337,627	0
August	0	0	18,793	18,793	0
September	0	0	0	0	0
October	0	0	0	0	0
November					
December					
Annual Total	49,763	183	3,043,409	3,043,409	0
Monthly Average	6,220	23	380,426	380,426	0

Source: Information obtained from Arcadis

Table 6. Groundwater Risk Reduction Standards and Constituents of Concern

Parameter	Type 1 RRS* (µg/L)	Residential RRS (µg/L)	NonResidential RRS (µg/L)	Maximum Detected Concentration (µg/L)	Number of Samples	Frequency of Detections	% Above Residential RRS	Constituent of Concern[(1)]
1,1,1-Trichloroethane	200	2700	14000	38	847	8/847		
1,1,2-Trichloroethane	5	5	410	110	847	8/847	0.8%	
1,1-Dichloroethene	7	100	520	100	856	63/856		
2-Butanone (MEK)	2000	2300	12000	550	847	5/847		
2-Methylphenol	10	780	5100	110	6	4/6		
4-Methyl-2-pentanone	2000	2000	4200	470	847	23/847		
4-Methylphenol	10	1600	10000	300	6	4/6		
Acetone	4000	8000	46000	3800	866	6/866		
Barium	2000	3100	20000	95	6	6/6		
Benzene	5	5.4	8.7	4700	856	192/856	22%	Yes
Carbon tetrachloride	5	5.7	10	11	349	2/349	0.6%	
Chlorobenzene	100	100	140	84	349	4/349		
Chloroform	80	80	80	41	856	82/856		
cis-1,2-Dichloroethene	70	70	200	27000	343	188/343	34%	Yes
Copper	1300	1300	4100	22	6	1/6		
Cyclohexane	10	3600	18000	2300	343	48/343		
Ethyl benzene	700	700	700	2383338	856	157/856	2%	Yes
Freon-11	2000	2000	2000	15	349	12/349		
Lead	15	15	15	28	37	7/37	3%	**
Methylene chloride	5	74	450	561	856	22/856	0.8%	
m&p-Xylene	2	58	290	3100	343	42/343	9%	Yes
o-Xylene	1	58	290	800	343	27/343	5%	Yes
Tetrachloroethene	5	19	98	84	856	80/856	1.3%	Yes
Toluene	1000	1000	5200	107000	856	181/856	7%	Yes
trans-1,2-Dichloroethene	100	310	2000	896	856	37/856	0.2%	
Trichloroethene	5	5	5.2	540000	856	384/856	45%	Yes
Vinyl chloride	2	2	2	3300	856	238/856	28%	Yes
Xylenes (Unspecified)	10	10	10	6274000	513	131/513	1%	

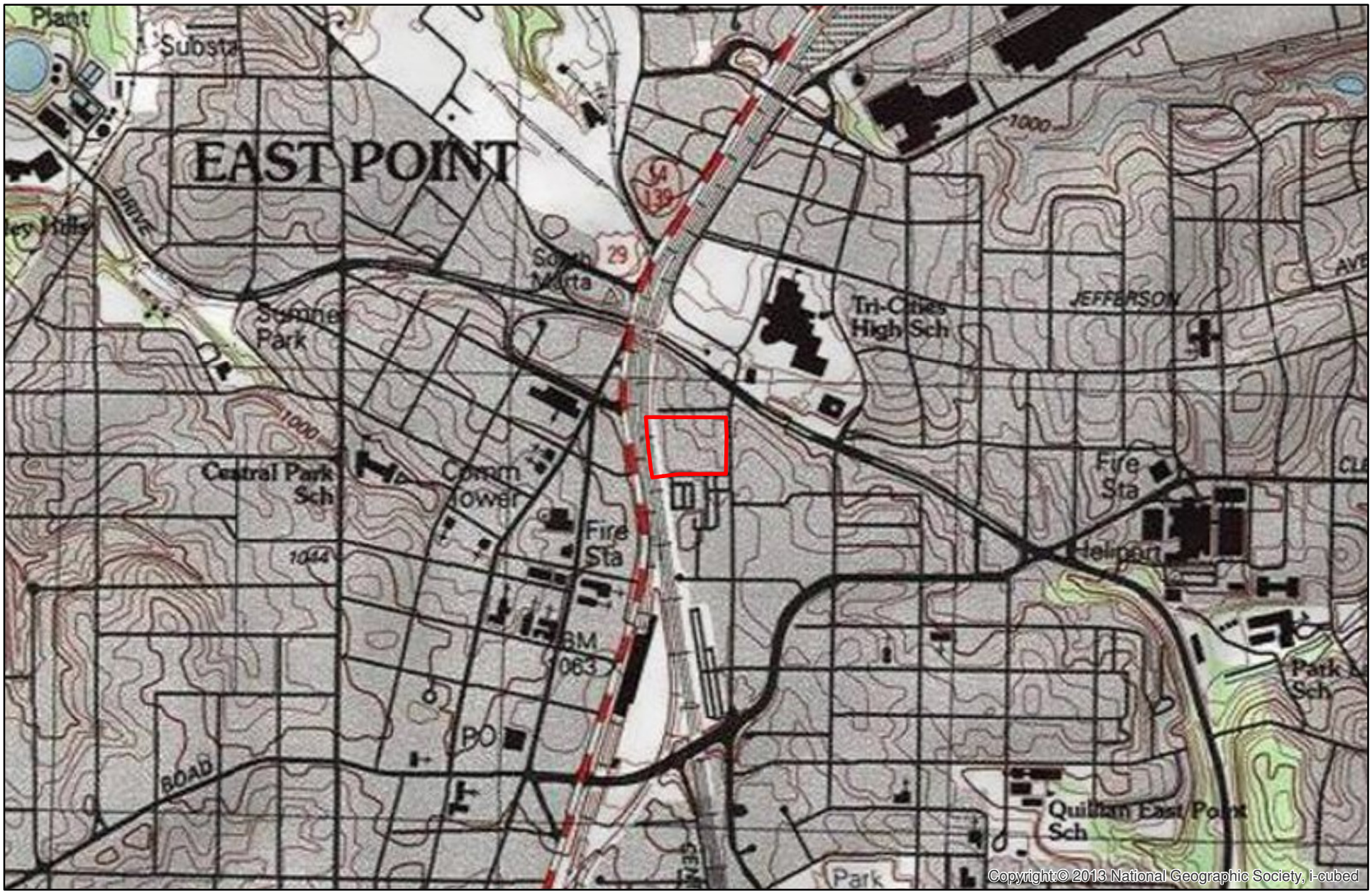
(1) Selected as COC if >1% of detections exceed the Residential RRS

* Primary delineation criteria

** Not selected as COC as only one sample exceeded the RRS. Subsequent sampling in the same well had results below the RRS.

EPS

FIGURES



Source: USGS SW Atlanta, GA 7.5 Minute Quadrangle from ArcGIS Online Services

Site Location - Topographic Map

EPS

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Figure No.1

June and September 2016 Well Locations

EPS

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Figure No.2

Monitoring Well Location Map

EPS

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Figure No.3

Topographic Divide

EPS

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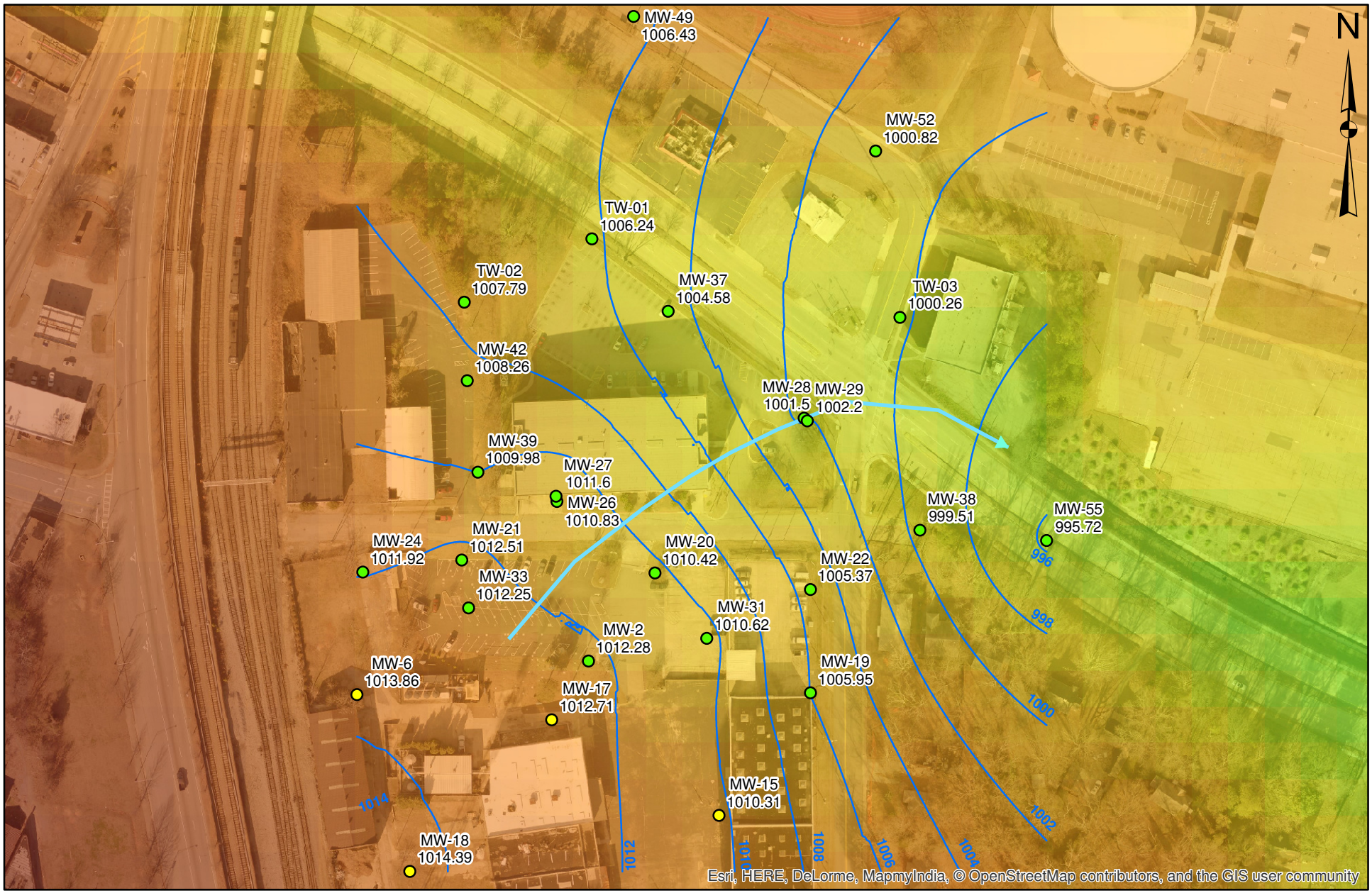
Figure No.4



October 2016

Potentiometric Surface Map - Saprolite

EPS

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Figure No.5

0 75 150 300
Feet

Wells

- Saprolite/PWR
- PWR
- PWR/Bedrock

Potentiometric Surface Elevation

Direction of Groundwater Flow

High : 1068.84

Low : 874.784

October 2016
Potentiometric Surface Map - PWR

EPS
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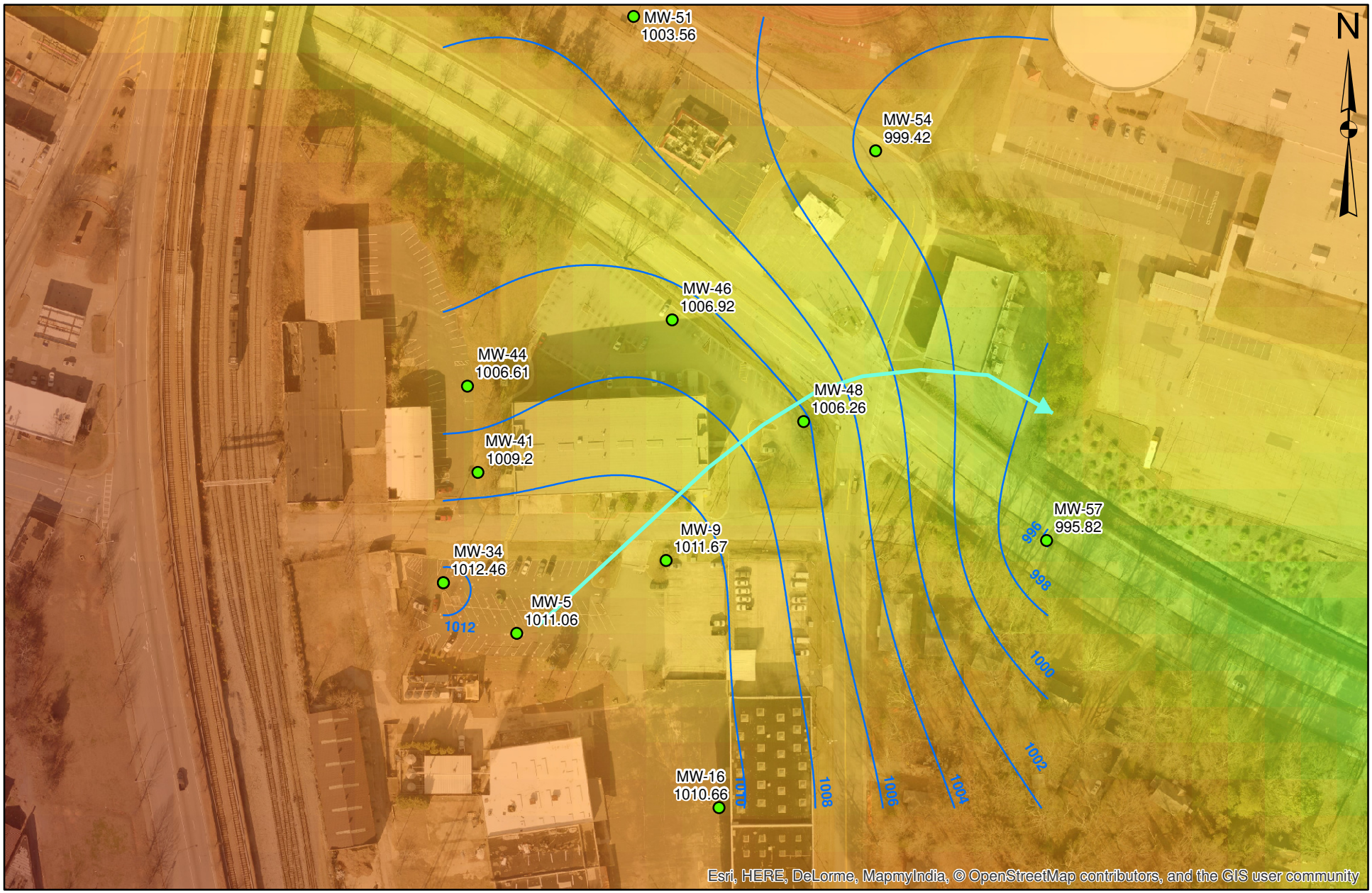
Figure No.6



0 75 150 300

Feet

Wells

Bedrock

PWR/Bedrock

Potentiometric Surface Elevation

Direction of Groundwater Flow

High : 1068.84

Low : 874.784

October 2016

Potentiometric Surface Map - Bedrock

EPS

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Figure No.7

A

A'

N

MW-35
MW-36

MW-32
MW-34 and MW-33

MW-04

MW-25

MW-21
MW-08
MW-07

MW-26
MW-27

MW-37

MW-45/46

MW-28
MW-47/48
MW-29

MW-55/56/57

760
1,200
26,000
94
ND
ND
8.2
10,000
ND
23
26
260
29,000
280
380
620
960
8.2
21
57
ND

Elevation (ft)

1050
1000
950
900
850
800

0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
750
800
850
900

Distance (ft)

Monitoring Well

Screened Interval (TCE*)

< 5 ppb (Type 1 RRS)

5 - 50 ppb

50 - 500 ppb

> 500 ppb

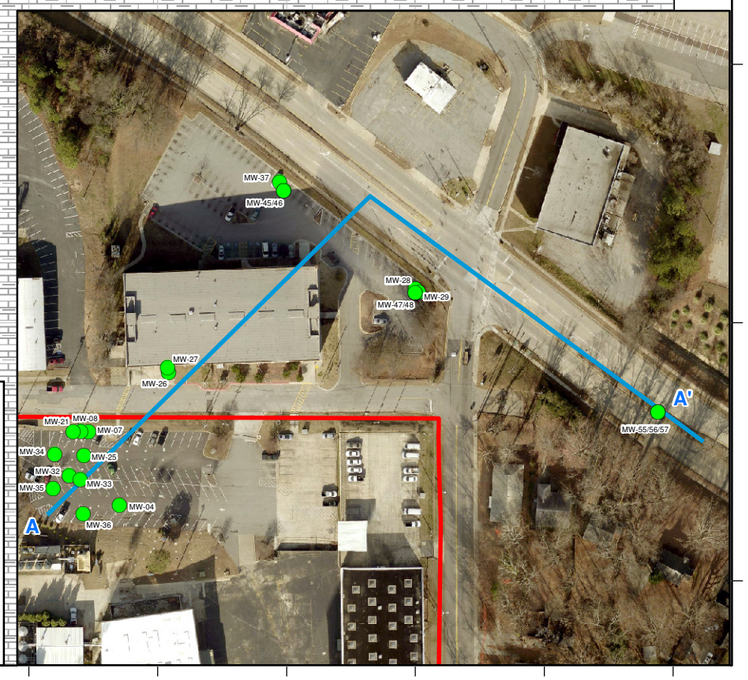
Groundwater Table

Saprolite

PWR

Bedrock

* Most recent TCE result



Cross-Section A-A'

EPS

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Figure No.8

B

B'

MW-36
MW-35
MW-33
MW-32
MW-34
MW-25
MW-21
MW-08
MW-07
MW-39/40/41
MW-43/44
MW-42
TW-02
TW-01
MW-49/50/51

1,200
760
26,000
94
ND
8.2
ND
10,000
310
9
130,000
ND
32
3,700
ND
ND
2.6
ND
ND
330

Elevation (ft)

1050
1000
950
900
850

0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
750

Distance (ft)

N

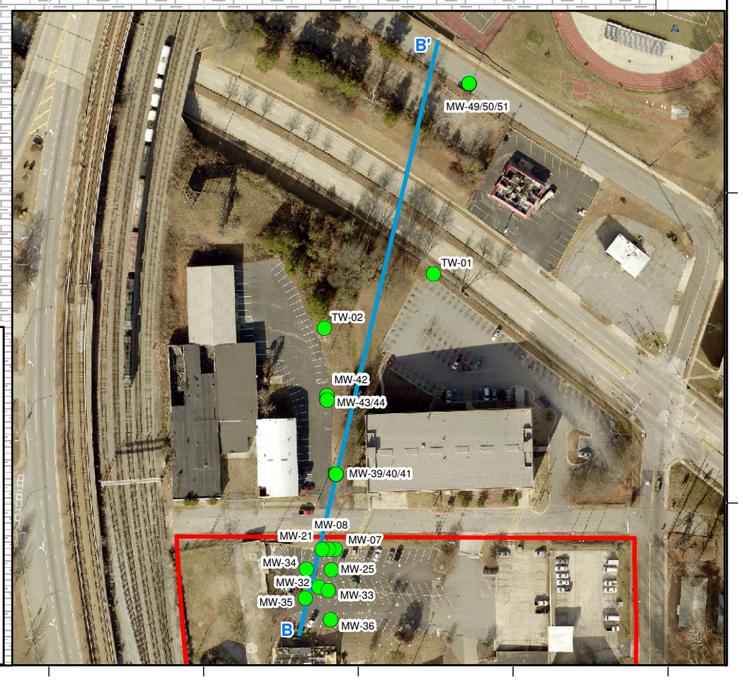
Monitoring Well
Groundwater Table

Screened Interval (TCE*)

< 5 ppb (Type 1 RRS)
5 - 50 ppb
50 - 500 ppb
> 500 ppb

Saprolite
PWR
Bedrock

* Most recent TCE result



Cross-Section B-B'

EPS
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Figure No.9

Legend

- < Type 1 RRS (5 ppb)
- < NonResidential RRS (8.7 ppb)
- > NonResidential RRS
- Property Boundary

0 95 190 380
Feet

Well
Date Result in ppb

N

Benzene Delineation (Jan 2015 - Oct 2016)

EPS
F:\Lafarge\GIS\mxd\Nov 2016 Progress Report\Delin_Benzene.mxd

Figure No.10

Saprolite

PWR

Bedrock

MW-41
6/16 740

Legend

- < Type 1 and NonResidential RRS (700 ppb)
- > RRS
- Property Boundary

0 95 190 380
Feet

Well
Date Result in ppb

N

Ethyl Benzene Delineation (Jan 2015 - Oct 2016)

EPS
F:\Lafarge\GIS\mxd\Nov 2016 Progress Report\Delin_EthylBenzene.mxd

Figure No.11

Saprolite

MW-33
5/15 12,000
11/15 <5

PWR

Bedrock

MW-41
6/16 4,600

Legend

- < Type 1 RRS (1,000 ppb)
- < NonResidential RRS (5,200 ppb)
- > NonResidential RRS
- Property Boundary

0 95 190 380
Feet

Well
Date Result in ppb

N

Toluene Delineation (Jan 2015 - Oct 2016)

EPS
F:\Lafarge\GIS\mxd\Nov 2016 Progress Report\Delin_Toluene.mxd

Figure No.12

Legend

- < Type 1 RRS (2 ppb)
- < NonResidential RRS (290 ppb)
- > NonResidential RRS
- Property Boundary

0 95 190 380
Feet

Well
Date Result in ppb

N

m&p-Xylene Delineation (Jan 2015 - Oct 2016)

EPS
F:\Lafarge\GIS\mxd\Nov 2016 Progress Report\Delin_mpXylene.mxd

Figure No.13

Legend

MaxOfRespp

- < Type 1 RRS (1 ppb)
- < NonResidential RRS (290 ppb)
- > NonResidential RRS
- Property Boundary

0 95 190 380

Feet

Well
Date Result in ppb

N

o-Xylene Delineation (Jan 2015 - Oct 2016)

EPS
F:\Lafarge\GIS\mxd\Nov 2016 Progress Report\Delin_oXylene.mxd

Figure No.14

Legend

- < Type 1 RRS (5 ppb)
- < NonResidential RRS (98 ppb)
- > NonResidential RRS
- Property Boundary

0 95 190 380

Feet

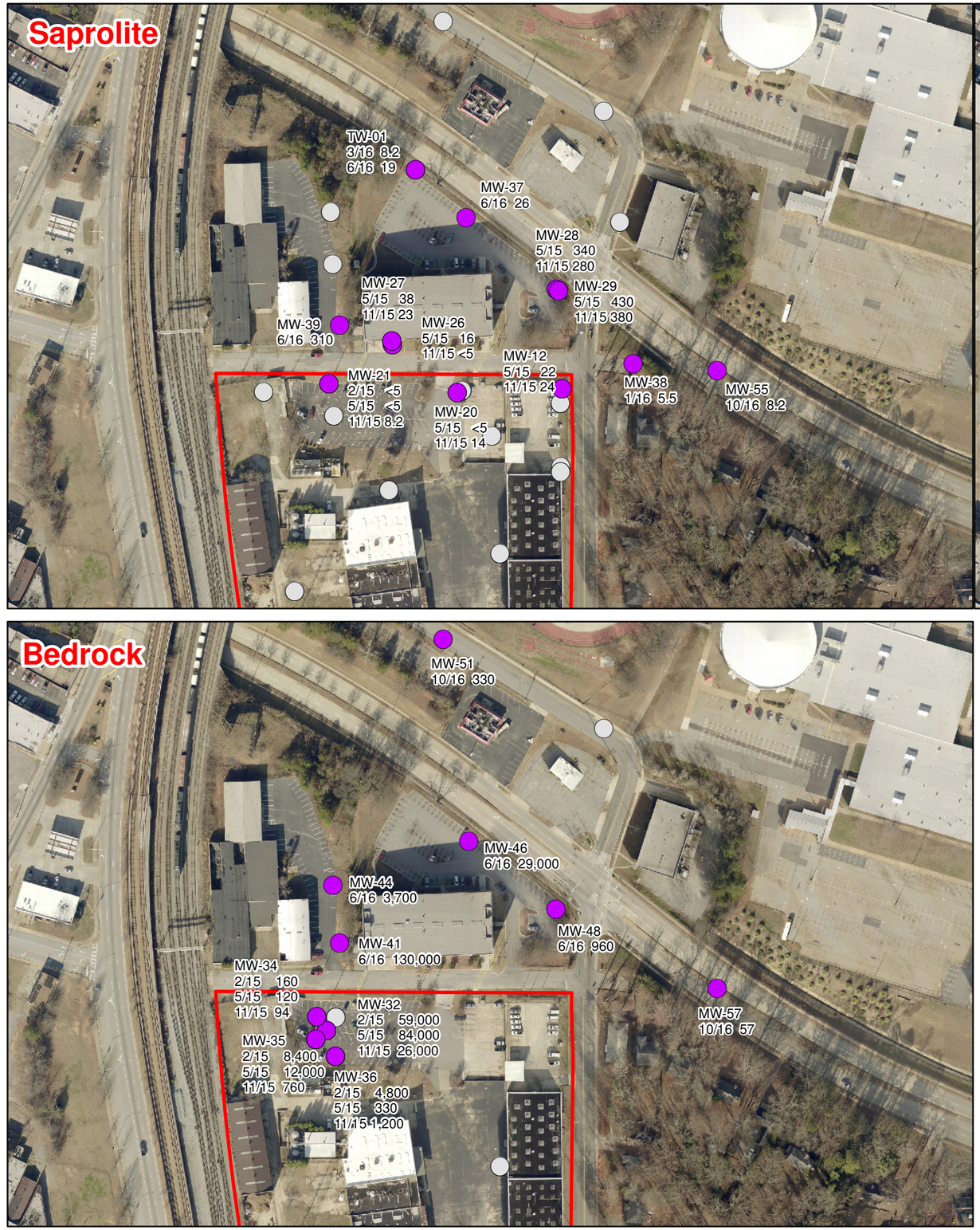
Well
Date Result in ppb

N

Tetrachloroethene Delineation (Jan 2015 - Oct 2016)

EPS
F:\Lafarge\GIS\mxd\Nov 2016 Progress Report\Delin_PCE.mxd

Figure No.15



Legend

- < Type 1 RRS (5 ppb)
- < NonResidential RRS (5.2 ppb)
- > NonResidential RRS
- Property Boundary

0 95 190 380

Feet

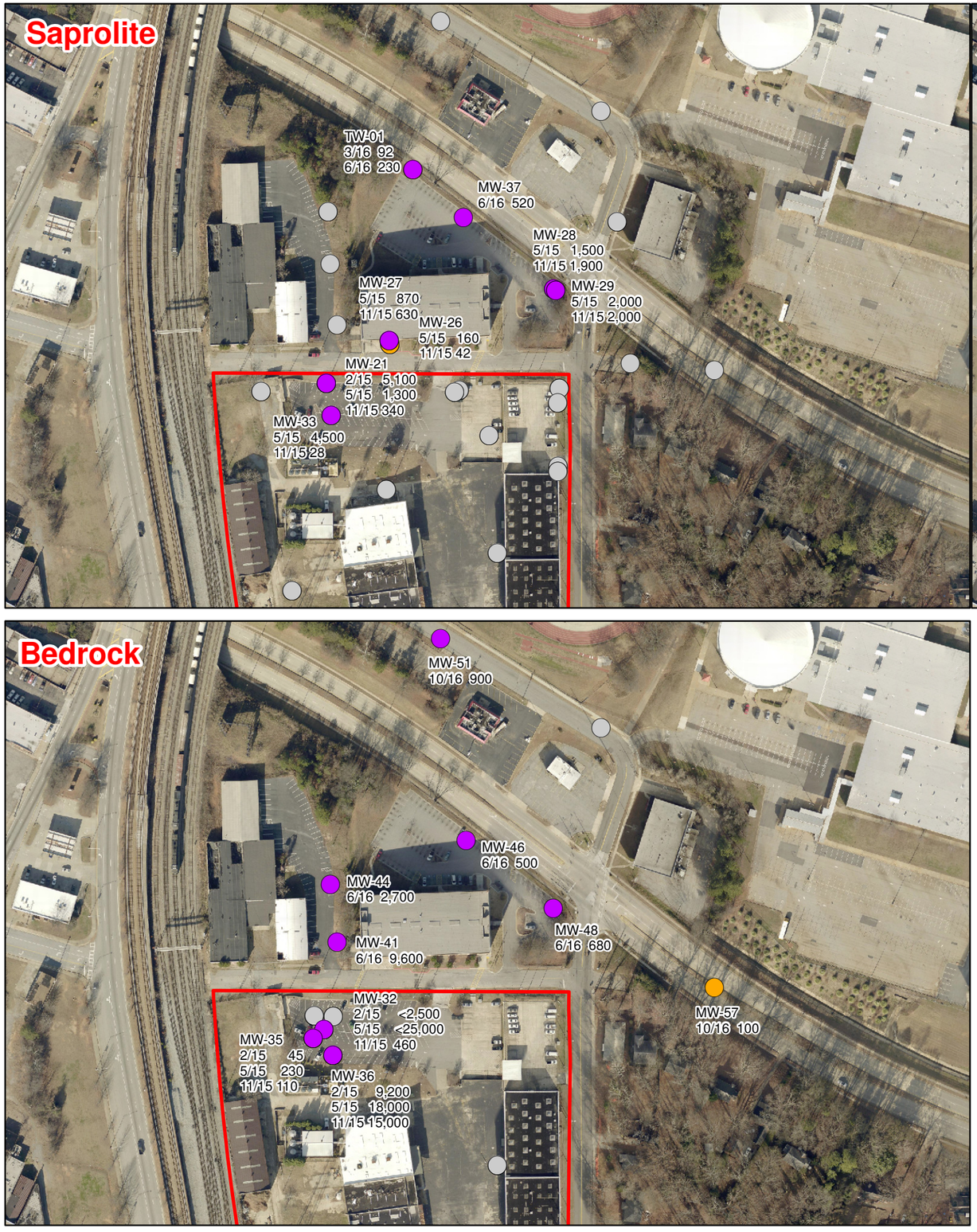
Well
Date Result in ppb

N

Trichloroethene Delineation (Jan 2015 - Oct 2016)

EPS
F:\Lafarge\GIS\mxd\Nov 2016 Progress Report\Delin_TCE.mxd

Figure No.16



Legend

- < Type 1 RRS (70 ppb)
- < NonResidential RRS (200 ppb)
- > NonResidential RRS
- Property Boundary

0 95 190 380
Feet

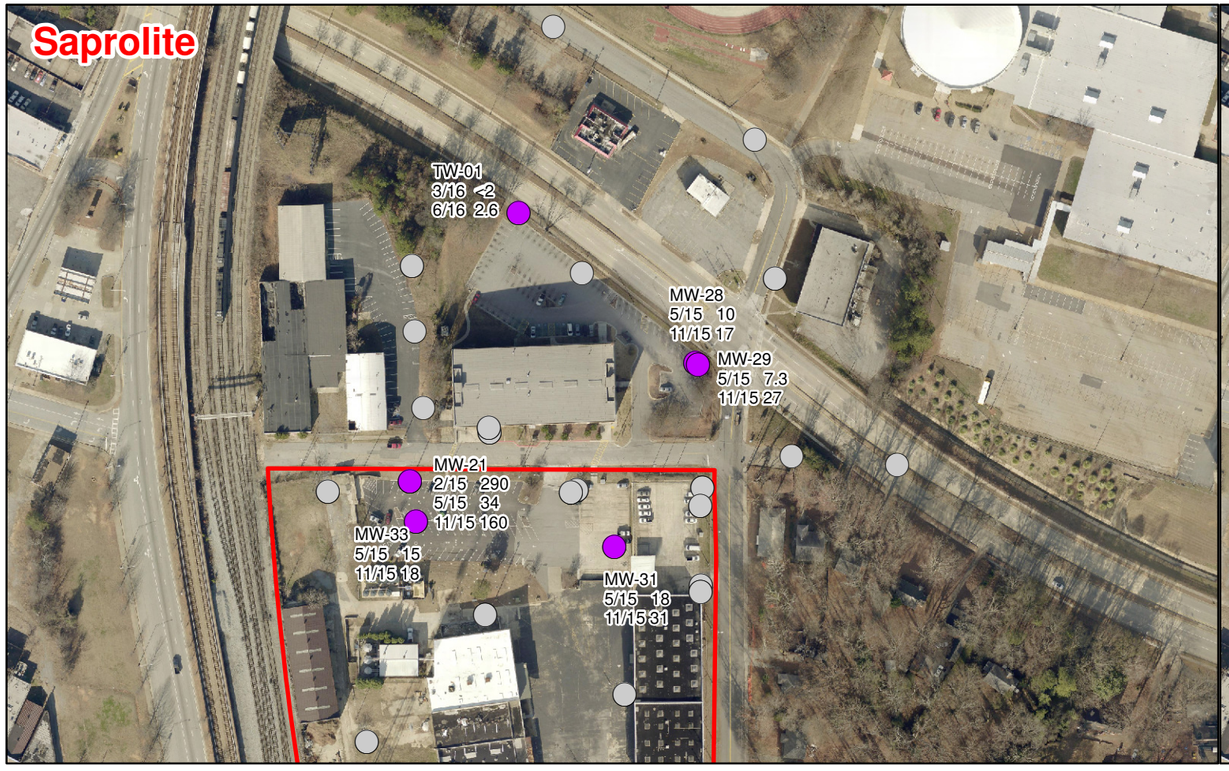
Well
Date Result in ppb

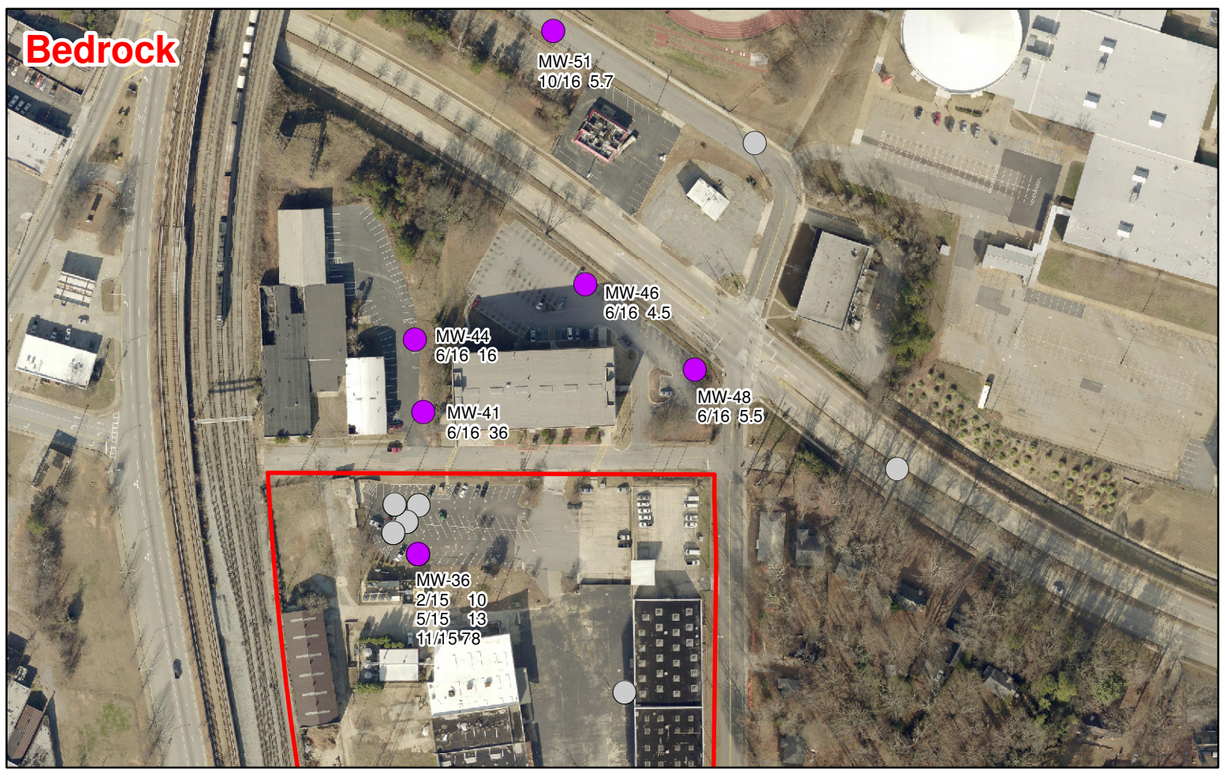
N

cis-1,2-Dichloroethene Delineation (Jan 2015 - Oct 2016)

EPS
F:\Lafarge\GIS\mxd\Nov 2016 Progress Report\Delin_cisDCE.mxd

Figure No.17





Legend

- < Type 1 and NonResidential RRS (2 ppb)
- > RRS
- Property Boundary

0 95 190 380
Feet

Well
Date Result in ppb

N

Vinyl Chloride Delineation (Jan 2015 - Oct 2016)

EPS
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Figure No.18

APPENDIX A
Professional Geologist
Summary of Hours

Environmental Planning Specialists, Inc.
LRM East Point - PG Hours (Kirk Kessler)
May through October 2016

	May 16	Jun 16	Jul 16	Aug 16	Sep 16	Oct 16	TOTAL
LRM:East Point Facility	10.50	7.00	10.00	2.00	1.50	14.50	45.50

APPENDIX B
Well Sampling Forms

Monitoring Well Sampling Form

EPS Project: LRM **Date: 06/23/16**

Well ID: MW-39 **Field Conditions:** Cloudy 90°F
Sampling Performed By: Alex Testoff / Brian Goldman
Well Construction: flush mount **General Condition of Well:** Good
Well Labeled: yes **Well Cap:** yes **Well Locked:** no **Condition of surrounding area:** grass
Well depth from TOC: 30.34 **Depth to Water from TOC:** 17.29
Well Diameter (In): 1" **Method of measure:** Water Level Meter
Height (Ht) of water in well (Well depth from TOC - Static level from TOC): 13.05
Volume of water in well (Ht. x(.16 for 2")(.653 for 4")(1.469 for 6"): 0.52 **Three Well Volumes (gal):** 1.56
Purging Method: low flow, low stress **Time @ Start of Purge:** 1350
Sample Method: direct/straw **Sample Parameters:** VOCs

Time	Volume (gal)	Temp (°C)	pH	ORP (mV)	Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to Water (ft)	Comments
1335	1.5	22.14	7.41	-460	0.473	762	0.00	20.40	
1350	2.25	21.89	7.40	-492	0.457	586	0.00	20.40	
1357	2.5	21.87	7.39	-491	0.451	429	0.00	20.40	
1405	3.0	21.84	7.38	-492	0.448	402	0.00	20.38	
1414	3.5	22.82	7.26	-444	0.425	350	0.00	20.40	
1422	4.25	23.43	7.24	-428	0.409	296	0.00	20.40	
1446	4.75	25.05	7.31	-429	0.390	179	0.00	20.40	* cleaned out flow cell after 14.32 reading
1506	5.75	24.65	7.15	-407	0.371	175	0.00	20.40	
1513	6.25	24.75	7.18	-400	0.372	180	0.00	20.43	* turbidity not improving, purged > 5 well volumes will sample

Sample ID: 16174-MW-39 Time Collected: 1515 Technician Signature: Alex Testoff

Monitoring Well Sampling Form

EPS Project: LRM **Date: 06/23/16**

Well ID: MW-40
Sampling Performed By: Alex Testoff / Brian Goldman
Well Construction: flush mount
Well Labeled: yes Well Cap: yes Well Locked: no
Well depth from TOC: 60.39
Well Diameter (in): 4
Height (Ht) of water in well (Well depth from TOC - Static level from TOC): 43.44
Volume of water in well (Ht. x(.16 for 2")(.653 for 4")(1.469 for 6"): 1.74
Purging Method: low flow, low stress
Sample Method: direct/straw

Field Conditions: Sunny
General Condition of Well: Good
Condition of surrounding area: grass
Depth to Water from TOC: 16.95
Method of measure: Water Level Meter
Three Well Volumes (gal): 5.22
Time @ Start of Purge: 1045
Sample Parameters: VOCs

Time	Volume (gal)	Temp (°C)	pH	ORP (mV)	Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to Water (ft)	Comments
1105	1.25	22.45	6.50	-114	0.234	121	0.00	17.20	
1115	2.0	22.03	6.44	-98	0.234	100	0.00	17.20	
1124	2.5	21.42	6.41	-90	0.234	84.2	0.00	17.22	
1140	3.25	21.44	6.36	-200	0.234	80.0	0.00	17.24	
1155	4.0	21.38	6.34	-298	0.234	71.6	0.00	17.25	
1205	4.5	21.09	6.31	-299	0.230	65.2	0.00	17.26	
1217	5.25	20.58	6.30	-365	0.228	63.0	0.00	17.28	
1230	7.25	20.77	6.26	-387	0.223	57.6	0.00	17.28	
1242	8.0	20.98	6.27	-315	0.221	61.6	0.00	17.28	
1252	9.0	20.91	6.28	-313	0.222	60.7	0.00	17.30	* turbidity not improving, purged 5 well volumes, will collect sample

Sample ID: 16174-MW-40
Time Collected: 1255
Technician Signature: Alex Testoff

Monitoring Well Sampling Form

EPS Project: LRM **Date: 06/23/16**

Well ID: MW-41 **Field Conditions:** ~80 °F, clear

Sampling Performed By: Alex Testoff / Brian Goldman

Well Construction: flush mount **General Condition of Well:** good

Well Labeled: Yes **Well Cap:** Yes **Well Locked:** no **Condition of surrounding area:** grass

Well depth from TOC: 100.40 **Depth to Water from TOC:** 18.38

Well Diameter (in): 4" **Method of measure:** Water Level Meter

Height (Ht) of water in well (Well depth from TOC - Static level from TOC): 82.02

Volume of water in well (Ht. x(.16 for 2")(.653 for 4")(1.469 for 6"): 3.28 gal **Three Well Volumes (gal):** 9.84

Purging Method: bailing **Time @ Start of Purge:** 0840

Sample Method: bailer **Sample Parameters:** VOCs

Time	Volume (gal)	Temp (°C)	pH	ORP (mV)	Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to Water (ft)	Comments
0855	0.50	26.30	5.99	-69	0.255	31.0	1.22	28.69	* purging @ slowest possible rate
0908	0.60	25.32	6.95	-128	0.247	28.1	0.24	30.27	
0925	1.0	24.16	7.15	-130	0.262	21.5	0.28	30.49	
									* pump not capable of purging @ depths > 30 ft bgs, will need to bail, called ASE (equipment rental) for bailers
1607	1.5	26.42	7.61	-60	0.260	71.7	1.49		* began bailing @ ~1600, volume is a continuation from amount purged earlier in day
1612	2.0	23.99	7.53	-46	0.252	54.5	0.96		
1619	2.5	23.12	7.45	-33	0.248	47.8	0.94		
1633	3.0	24.86	7.47	-36	0.256	47.8	0.42	51.38	
1645	3.5	23.98	7.42	-19	0.259	56.3	0.37	52.59	

Sample ID: 1674-MW-41 Time Collected: 1650 Technician Signature: Alex Testoff

Monitoring Well Sampling Form

EPS Project: LRM **Date: 06/23/16**

Well ID: MW-42
Sampling Performed By: Alex Testoff / Brian Goldman
Well Construction: flush mount
Well Labeled: yes **Well Cap:** yes **Well Locked:** no
Well depth from TOC: 29.80
Well Diameter (in):
Height (Ht) of water in well (Well depth from TOC - Static level from TOC): 13.19
Volume of water in well (Ht. x(.16 for 2")(.653 for 4")(1.469 for 6"): 0.52 gal
Purging Method: low flow, low stress
Sample Method: direct/straw

Field Conditions: ~95 °F, partly cloudy
General Condition of Well: good
Condition of surrounding area: asphalt
Depth to Water from TOC: 16.61
Method of measure: Water Level Meter
Three Well Volumes (gal): 1.58
Time @ Start of Purge: 1630
Sample Parameters: VOCs

Time	Volume (gal)	Temp (°C)	pH	ORP (mV)	Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to Water (ft)	Comments
1635	0.125	28.93	6.08	-177	0.151	83.9	0.20	17.64	
1645	0.5	28.49	6.09	-299	0.155	49.8	6.00	17.55	
1656	0.75	28.19	6.12	-386	0.158	31.5	6.00	17.32	
1705	1.25	28.41	6.10	-401	0.159	26.9	0.00	17.41	
1715	1.50	28.66	6.08	-419	0.159	20.7	0.00	17.50	
1730	1.75	28.33	6.07	-423	0.159	8.92	0.00	17.53	

Sample ID: 16174-MW-42 Time Collected: 1735 Technician Signature: Alex Testoff

Monitoring Well Sampling Form

EPS Project: LRM

Date: 06/23/16

Well ID: MW-43
Sampling Performed By: Alex Testoff / Brian Goldman
Well Construction: flush mount
Well Labeled: yes **Well Cap:** yes **Well Locked:** no
Well depth from TOC: 69.29
Well Diameter (in): 4"
Height (Ht) of water in well (Well depth from TOC - Static level from TOC): 52.67
Volume of water in well (Ht. x(.16 for 2")(.653 for 4")(1.469 for 6"): 2.11 gal
Purging Method: low flow, low stress
Sample Method: direct/straw

Field Conditions: ~96°F, partly cloudy
General Condition of Well: good
Condition of surrounding area: asphalt
Depth to Water from TOC: 16.62
Method of measure: Water Level Meter
Three Well Volumes (gal): 6.32
Time @ Start of Purge: 1426
Sample Parameters: VOCs

Time	Volume (gal)	Temp (°C)	pH	ORP (mV)	Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to Water (ft)	Comments
1437	0.50	27.0	5.87	-32		151	0.22	16.62	
1448	1.25	26.71	5.82	-45	0.186	107	0.10	16.62	
1458	2.0	26.69	5.81	-91	0.180	81.9	0.00	16.64	
1310	2.75	26.55	5.81	-110	0.177	42.6	0.00	16.62	
1321	3.5	26.40	5.81	-122	0.176	16.7	0.00	16.65	
1332	4.25	26.49	5.77	-125	0.175	8.77	0.00	16.66	
1343	5.0	25.89	5.74	-126	0.175	8.16	0.00	16.69	
1355	5.75		5.80	-134	0.175	6.22	0.11	16.71	
1610	6.5		5.83	-135	0.175	5.21	0.19	16.68	
1620	7.25	26.06	5.84	-140	0.175	7.14	0.21	16.70	

Sample ID: 16174-MW-43

Time Collected: 1625

Technician Signature: Alex Testoff

Monitoring Well Sampling Form

EPS Project: LRM **Date: 06/23/16**

Well ID: MW-44
Sampling Performed By: Alex Testoff / Brian Goldman
Well Construction: ~~flush~~ stick up
Well Labeled: ~~no~~ yes
Well Cap: yes
Well Locked: no
Well depth from TOC: 109.93
Well Diameter (In): ~~2~~ 1"
Height (Ht) of water in well (Well depth from TOC - Static level from TOC): 92.23
Volume of water in well (Ht. x(.16 for 2")(.653 for 4")(1.469 for 6"): 3.69
Purging Method: low flow, low stress
Sample Method: direct/straw

Field Conditions: ~80°F, clear
General Condition of Well: good
Condition of surrounding area: asphalt
Depth to Water from TOC: 17.70
Method of measure: Water Level Meter
Three Well Volumes (gal): 11.09
Time @ Start of Purge: 0855
Sample Parameters: VOCs

Time	Volume (gal)	Temp (°C)	pH	ORP (mV)	Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to Water (ft)	Comments
0915	0.5	23.22	6.78	-32	0.280	33.7	0.53	25.80	* purging @ slowest possible rate
0935	1.25	22.93	6.63	-173	0.322	28.5	0.83	26.38	
0957	2.0	23.11	6.89	-377	0.347	24.1	1.09	26.61	
1007	2.5	23.42	6.93	-398	0.343	18.9	1.13	26.60	
1024	3.0	24.86	6.98	-394	0.328	12.6	1.12	25.93	
1047	3.75	25.92	6.99	-304	0.327	9.98	0.95	26.02	
1059	4.25	26.70	7.01	-278	0.326	8.12	0.94	26.12	
1110	4.75	26.75	6.96	-250	0.320	9.11	0.90	26.00	
1125	5.5	26.81	6.94	-245	0.317	9.02	0.88	25.65	
1140	6.25	26.90	6.91	-237	0.315	8.37	0.95	25.60	
1157	7.0	26.92	6.92	-233	0.310	8.00	0.93	25.58	
1232	8.0	26.84	6.79	-211	0.310	7.12	0.55	25.47	
1244	~~8.50~~	27.25	6.61	-211	0.311	7.99	0.41	25.40	
1308	9.0 ~~9.75~~ (MW)	28.64	6.61	-207	0.304	6.00	0.40	25.43	
1338	~~9.5~~ ~~10.5~~ (MW)	28.94	6.61	-205	0.302	6.18	0.61	25.47	
1420	11.0 ~~11.75~~ (MW)	29.89	6.63	-203	0.294	5.70	0.41	25.55	
1425	11.125							25.57	

Sample ID: 16174-MW-44 Time Collected: 1425 Technician Signature: Brian Goldman

Monitoring Well Sampling Form

EPS Project: LRM **Date:** 06/23/16

Well ID: MW-45 **Field Conditions:** Sunny, 80°F

Sampling Performed By: Alex Testoff / Brian Goldman

Well Construction: flush mount **General Condition of Well:** Good

Well Labeled: ~~no~~ yes **Well Cap:** yes **Well Locked:** no **Condition of surrounding area:** asphalt

Well depth from TOC: 68-80' **Depth to Water from TOC:** 2.28'

Well Diameter (in): 1" **Method of measure:** Water Level Meter

Height (Ht) of water in well (Well depth from TOC - Static level from TOC): 66.52

Volume of water in well (Ht. x(.16 for 2")(.653 for 4")(1.469 for 6"): 2.66 **Three Well Volumes (gal):** 7.98

Purging Method: low flow, low stress **Time @ Start of Purge:** 1330

Sample Method: direct/straw **Sample Parameters:** VOCs

Time	Volume (gal)	Temp (°C)	pH	ORP (mV)	Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to Water (ft)	Comments
1345	1.0	30.08	6.95	-204	0.139	240	2.51	2.83	
1400	1.75	27.84	6.77	-220	0.136	247	2.04	2.83	
1409	2.25	27.78	6.75	-226	0.131	300	1.00	2.85	* cleaned out Horiba after 14:09 reading
1420	2.75	27.80	6.73	-217	0.131	250	0.96	2.82	
1430	3.5	27.89	6.73	-210	0.131	203	0.88	2.77	
1440	4.0	27.84	6.70	-205	0.130	183	0.78	2.72	
1450	4.5	27.89	6.70	-235	0.130	179	0.55	2.80	
1501	5.0	27.07	6.72	-245	0.130	170	0.45	2.77	
1530	6.5	28.55	6.70	-224	0.133	44.3	0.71	2.70	* cleaned out Horiba after 15:01 reading
1555	7.75	29.16	6.71	-210	0.131	18.6	0.88	2.63	
1600	8.0	29.56	6.71	-209	0.133	8.94	0.96	2.60	

Sample ID: 16174-MW-45 Time Collected: 1602 Technician Signature

Monitoring Well Sampling Form

EPS Project: LRM **Date: 06/23/16**

Well ID: MW-46 **Field Conditions:** Sunny, 80°F

Sampling Performed By: Alex Testoff / Brian Goldman

Well Construction: flush mount **General Condition of Well:** Good

Well Labeled: yes **Well Cap:** yes **Well Locked:** no **Condition of surrounding area:** asphalt

Well depth from TOC: 109.13 **Depth to Water from TOC:** 2.19

Well Diameter (In): 1" **Method of measure:** Water Level Meter

Height (Ht) of water in well (Well depth from TOC - Static level from TOC): 106.94

Volume of water in well (Ht. x(.16 for 2")(.653 for 4")(1.469 for 6"): 4.27 **Three Well Volumes (gal):** 12.83

Purging Method: low flow, low stress **Time @ Start of Purge:** 0820

Sample Method: direct/straw **Sample Parameters:** VOCs

Time	Volume (gal)	Temp (°C)	pH	ORP (mV)	Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to Water (ft)	Comments
0840	0.75	24.66	7.80	-394	0.122	12.6	4.83	6.25	
0901	1.25	24.82	7.66	-375	0.139	9.19	3.73	6.30	
0920	2.25	25.52	7.22	-360	0.163	7.89	0.72	7.39	
0940	3.0	26.23	7.07	-361	0.172	~~6.62~~ 6.49	0.62	7.15	
1002	4.0	26.03	7.11	-394	0.183	6.37	0.42	7.31	
1017	5.0	25.97	7.14	-407	0.188	6.21	0.30	8.20	
1054	6.5	26.22	7.31	-434	0.165	6.12	1.69	8.36	
1109	7.5	20.68	7.32	-436	0.127	6.01	0.06	8.30	
1132	8.5	26.79	7.31	-435	0.105	5.97	0.00	8.23	
1158	10.0	26.83	7.32	-435	0.102	6.09	0.00	8.31	
1224	10.5	26.55	7.32	-436	0.100	5.76	0.00	8.32	
1224	11.0	26.34	7.32	-438	0.099	5.44	0.00	8.35	
1240	11.75	27.05	7.27	-439	0.094	6.24	0.00	8.35	
1315	13.0	27.14	7.28	-434	0.102	4.67	0.65	8.35	

Sample ID: 16174-MW-46 Time Collected: 1318 Technician Signature: Alex Testoff

Monitoring Well Sampling Form

EPS Project: LRM **Date: 06/23/16**

Well ID: MW-47 **Field Conditions:** Sunny, 80°F
Sampling Performed By: Alex Testoff / Brian Goldman
Well Construction: flush mount **General Condition of Well:** Good
Well Labeled: **Well Cap:** **Well Locked:** **Condition of surrounding area:**
Well depth from TOC: 70.82 **Depth to Water from TOC:** 3.98
Well Diameter (in): 1" **Method of measure:** Water Level Meter
Height (Ht) of water in well (Well depth from TOC - Static level from TOC): 66.84
Volume of water in well (Ht. x(.16 for 2")(.653 for 4")(1.469 for 6"): 2.67 **Three Well Volumes (gal):** 8.02
Purging Method: low flow, low stress **Time @ Start of Purge:** 1117
Sample Method: direct/straw **Sample Parameters:** VOCs

Time	Volume (gal)	Temp (°C)	pH	ORP (mV)	Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to Water (ft)	Comments
1138	1.75	23.91	6.19	-191	0.280	52.1	0.26	9.82	
1157	3.25	23.48	6.21	-191	~~0.288~~	48.9	0.13	9.89	
1208	4.25	23.31	6.22	-224	0.290	30.0	0.00	9.81	
1219	5.25	23.20	6.25	-253	0.296	22.1	0.00	9.75	
1229	6.0	23.50	6.29	-364	0.301	17.7	0.00	9.77	
1237	6.75	23.52	6.31	-390	0.302	9.91	0.00	9.80	
1248	7.5	23.59	6.33	-484	0.309	8.45	0.00	9.76	
1258	8.25	23.61	6.35	-461	0.309	7.99	0.00	9.78	
~~1303~~ 1305	9.0	23.64	6.36	-472	0.311	5.56	0.00	9.76	

Sample ID: 16174-MW-47 Time Collected: 1305 Technician Signature: Alex Testoff

Monitoring Well Sampling Form

EPS Project: LRM **Date: 06/23/16**

Well ID: MW-48 **Field Conditions:** Sunny 80°F
Sampling Performed By: Alex Testoff / Brian Goldman
Well Construction: flush mount **General Condition of Well:** Good
Well Labeled: yes **Well Cap:** yes **Well Locked:** no **Condition of surrounding area:** Grass
Well depth from TOC: 114.19 **Depth to Water from TOC:** 1.95
Well Diameter (in): 1" **Method of measure:** Water Level Meter
Height (Ht) of water in well (Well depth from TOC - Static level from TOC): 112.24
Volume of water in well (Ht. x(.16 for 2")(.653 for 4")(1.469 for 6"): 4.49 **Three Well Volumes (gal):** 13.47
Purging Method: low flow, low stress **Time @ Start of Purge:** 0825
Sample Method: direct/straw **Sample Parameters:** VOCs

Time	Volume (gal)	Temp (°C)	pH	ORP (mV)	Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to Water (ft)	Comments
0845	1.50	21.72	6.21	-86	0.268	102	0.63	4.91	
0905	3.25	23.99	6.17	-91	0.270	~~0.625~~ 106	0.62	4.97	
0918	4.0	23.83	6.12	-85	0.266	83.1	0.00	5.06	
0939	6.0	23.41	6.08	-80	0.264	52.8	0.00	5.10	
1000	7.75	23.24	6.05	-81	0.262	34.3	0.00	5.11	
1015	9.0	23.21	6.05	-81	0.260	26.3	0.00	5.28	
1050	12.0	22.62	6.01	-79	0.260	14.9	0.00	5.21	
1105	13.0	22.50	6.00	-82	0.259	10.9	0.00	5.19	
1114	13.5	22.49	6.00	-82	0.260	9.12	0.00	5.19	

Sample ID: 16174-MW-48 Time Collected: 1115 Technician Signature: Alex Testoff

Monitoring Well Sampling Form

EPS Project: LRM **Date: 06/23/16**

Well ID: TW-1 **Field Conditions:** ~95°F, partly cloudy
Sampling Performed By: Alex Testoff / Brian Goldman
Well Construction: flush mount **General Condition of Well:** good
Well Labeled: yes **Well Cap:** yes **Well Locked:** no **Condition of surrounding area:** grass
Well depth from TOC: 25.56 **Depth to Water from TOC:** 4.66
Well Diameter (in): 1" **Method of measure:** Water Level Meter
Height (Ht) of water in well (Well depth from TOC - Static level from TOC): 20.89'
Volume of water in well (Ht. x(.16 for 2")(.653 for 4")(1.469 for 6"): 0.83 gal **Three Well Volumes (gal):** 2.50
Purging Method: low flow, low stress **Time @ Start of Purge:** 1341
Sample Method: direct/straw **Sample Parameters:** VOCs

Time	Volume (gal)	Temp (°C)	pH	ORP (mV)	Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to Water (ft)	Comments
1350	0.5	36.46	5.20	269	0.120	83.9	0.38	4.80	
1400	1.0	31.00	5.25	253	0.123	73.5	0.22	4.80	
1410	1.5	29.86	5.26	249	0.124	52.9	0.15	4.81	
1415	2.0	30.42	5.29	248	0.123	41.1	0.09	4.81	
1425	2.25	30.32	5.20	246	0.125	25.6	0.00	4.80	
1445	3.0	29.98	5.30	242	0.125	14.6	0.00	4.83	
1500	3.5	28.74	5.30	242	0.125	5.37	0.00	4.82	

Sample ID: 16174-TW-1 Time Collected: 1705 Technician Signature: Alex Testoff

Monitoring Well Sampling Form

EPS Project: LRM **Date:** 06/23/16

Well ID: ~~Goldman~~ TW-2 **Field Conditions:** ~90 °F, clear

Sampling Performed By: Alex Testoff / Brian Goldman

Well Construction: flush mount **General Condition of Well:** good

Well Labeled: Yes **Well Cap:** yes **Well Locked:** no **Condition of surrounding area:** grass

Well depth from TOC: 34.52 **Depth to Water from TOC:** 17.16

Well Diameter (in): 11 **Method of measure:** Water Level Meter

Height (Ht) of water in well (Well depth from TOC - Static level from TOC): 16.76

Volume of water in well (Ht. x(.16 for 2")(.653 for 4")(1.469 for 6"): 0.67 gal **Three Well Volumes (gal):** 2.01

Purging Method: low flow, low stress **Time @ Start of Purge:** 1400

Sample Method: direct/straw **Sample Parameters:** VOCs

Time	Volume (gal)	Temp (°C)	pH	ORP (mV)	Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to Water (ft)	Comments
1410	0.5	26.39	4.85	189	0.084	400	0.00	17.35	
1416	0.75	26.27	4.80	200	0.084	319	0.00	17.40	
1421	1.0	25.92	4.72	244	0.080	201	0.00	17.40	
1427	1.25	25.30	4.69	259	0.076	194	0.00	17.35	
1435	1.75	25.39	4.66	269	0.076	112	0.00	17.38	
1443	2.25	25.51	4.66	278	0.075	90.7	0.00	17.38	
1455	3.0	26.99	4.68	279	0.076	50.5	0.00	17.39	
1510	4.0	26.84	4.68	280	0.072	31.1	0.00	17.36	
1525	5.0	26.73	4.68	279	0.073	24.5	0.05	17.39	
1530	5.25	26.94	4.68	279	0.073	9.11	0.00	17.38	

Sample ID: 16174-TW-2 Time Collected: 1532 Technician Signature: Alex Testoff

Monitoring Well Sampling Form

EPS Project: LRM **Date: 06/23/16**

Well ID: TW-3
Sampling Performed By: Alex Testoff / Brian Goldman
Well Construction: flush mount
Well Labeled: Y **Well Cap:** Y **Well Locked:** N
Well depth from TOC: 16.05
Well Diameter (in): 1
Height (Ht) of water in well (Well depth from TOC - Static level from TOC): 10.90
Volume of water in well (Ht. x(.16 for 2")(.653 for 4")(1.469 for 6"): 0.436
Purging Method: low flow, low stress
Sample Method: direct/straw

Field Conditions: ~90 °F, partly cloudy
General Condition of Well: Good
Condition of surrounding area: concrete
Depth to Water from TOC: 5.15
Method of measure: Water Level Meter
Three Well Volumes (gal): 1.308
Time @ Start of Purge: 1730
Sample Parameters: VOCs

Time	Volume (gal)	Temp (°C)	pH	ORP (mV)	Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to Water (ft)	Comments
~~1758~~	~~0.25~~	~~32.15~~	~~5.57~~	~~210~~					
1800	0.50	30.35	5.35	246	0.058	167	2.61	6.70	
1805	0.60	26.51	4.97	313	0.158	184	2.62	6.69	
1810	0.75	25.69	4.94	325	0.158	79.8	2.66	6.72	
1815	1.0	25.24	4.92	333	0.158	38.9	2.67	6.73	
1820	1.25	25.22	4.93	334	0.159	16.3	2.66	6.74	
1825	1.50	29.21	4.94	334	0.160	11.1	2.65	6.74	

Sample ID: 16174-TW-3
16174-DUP

Time Collected: 18:25
12:00

Technician Signature: Br Goldman

Monitoring Well Sampling Form

EPS Project: LRM - East Point **Date:** 10-7-16

Well ID: MW-49 **Field Conditions:** overcast, 67°F

Sampling Performed By: J. Terry, M. Spitzmiller

Well Construction: flush mount **General Condition of Well:** good

Well Labeled: Y **Well Cap:** Y **Well Locked:** N **Condition of surrounding area:** asphalt, middle of roadway

Well depth from TOC: 24.84 **Depth to Water from TOC:** 20.78

Well Diameter (in): 1 **Method of measure:** Water Level Meter

Height (Ht) of water in well (Well depth from TOC - Static level from TOC): 4.06

Volume of water in well (Ht. x(.16 for 2")(.653 for 4")(1.469 for 6"): 0.2 **Three Well Volumes (gal):** 0.5

Purging Method: low flow, low stress peristaltic pump **Time @ Start of Purge:** 0730

Sample Method: direct/straw **Sample Parameters:** VOCs

Time	Volume (gal)	Temp (°C)	pH	ORP (mV)	Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to Water (ft)	Comments
0810	0.4	20.00	6.81	186	0.436	259	6.81	22.23	Purge rate: 0.01 GPM
0820	0.5	20.12	6.84	167.3	0.410	239	6.84	22.40	
0840	0.7	20.20	6.90	161.2	0.409	-	6.88	DRY	shut off pump to allow recharge
1040	0.7	-	-	-	-	-	-	21.62	Filled tubing and then collected sample after purging 3 tubing volumes
1050	0.8								

Water Quality Meter (Make/Model/SN): YSI 556 11C100914

Turbidity Meter: LaMotte 2020we 2953-0413

Sample ID: 16281-MW-49 Time Collected: 1050 Technician Signature: [signature]

Monitoring Well Sampling Form

EPS Project: LRM - East Point **Date:** 10-7-16

Well ID: MW-50 **Field Conditions:** overcast, 67°F

Sampling Performed By: J. Terry, M. Spitzmiller

Well Construction: flush mount **General Condition of Well:** good

Well Labeled: Y **Well Cap:** Y **Well Locked:** N **Condition of surrounding area:** asphalt, middle of roadway

Well depth from TOC: 47.30 **Depth to Water from TOC:** 21.14

Well Diameter (in): 1 **Method of measure:** Water Level Meter

Height (Ht) of water in well (Well depth from TOC - Static level from TOC): 26.16

Volume of water in well (Ht. x(.16 for 2")(.653 for 4")(1.469 for 6"): 1 **Three Well Volumes (gal):** 3

Purging Method: low flow, low stress peristaltic pump **Time @ Start of Purge:** 0735

Sample Method: direct/straw **Sample Parameters:** VOCs

Time	Volume (gal)	Temp (°C)	pH	ORP (mV)	Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to Water (ft)	Comments
0810	0.7	21.34	4.88	40.6	0.134	5.15	9.29	21.19	Purge rate: 0.02 GPM
0820	0.9	21.31	4.92	41.1	0.135	2.58	8.98	21.19	tubing at top of water column
0835	1.2	21.18	4.99	41.1	0.138	0.52	9.02	21.19	Increased purge rate to 0.03GPM
0850	1.7	21.13	5.05	45.0	0.140	0.12	8.97	21.19	
0910	2.3	21.27	5.10	48.0	0.144	0.01	9.02	21.19	
0930	2.9	21.27	5.10	53.8	0.142	0.11	9.15	21.19	
0950	3.5	21.54	5.15	57.1	0.144	0.07	9.22	21.19	

Water Quality Meter (Make/Model/SN): YSI 556 11C100915

Turbidity Meter: LaMotte 2020we 2953 - 0413

Sample ID: 16281-MW-50 Time Collected: 1002 Technician Signature: Melissa Spitzmiller

Monitoring Well Sampling Form

EPS Project: LRM - East Point **Date:** 10-7-16

Well ID: MW-51 **Field Conditions:** overcast, 67°F

Sampling Performed By: J. Terry, M. Spitzmiller

Well Construction: flush mount **General Condition of Well:** good

Well Labeled: Y **Well Cap:** Y **Well Locked:** N **Condition of surrounding area:** asphalt, middle of road

Well depth from TOC: 89.56 **Depth to Water from TOC:** 24.38

Well Diameter (in): 1 **Method of measure:** Water Level Meter

Height (Ht) of water in well (Well depth from TOC - Static level from TOC): 65.18

Volume of water in well (Ht. x(.16 for 2")(.653 for 4")(1.469 for 6"): 2.6 **Three Well Volumes (gal):** 7.8

Purging Method: low flow, low stress (micropurge) (Solinst 408 double valve pump) **Time @ Start of Purge:** 0955

Sample Method: direct/straw **Sample Parameters:** VOCs

Time	Volume (gal)	Temp (°C)	pH	ORP (mV)	Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to Water (ft)	Comments
1015	0.4	20.73	6.57	52.3	0.165	15.6	10.64	36.79	Set pump in middle of screen at 84'. Purge rate 0.02GPM
1030	0.7	21.04	6.33	31.8	0.200	16.8	6.34	38.88	
1100	1.2	21.53	6.15	21.0	0.194	9.3	6.28	~~44.45~~ 44.90	DT Reduced purge rate to 0.01GPM
1110	1.3	22.29	6.06	24.0	0.182	7.7	6.35	46.80	
1120	1.4	22.30	5.99	29.4	0.180	7.6	6.40	46.80	
1130	1.5	22.50	6.02	29.7	0.183	7.1	6.35	46.80	

Water Quality Meter (Make/Model/SN): YSI 556 IC 1009.14

Turbidity Meter: LaMotte 2020we 2453-0413

Sample ID: 16291-MW-51 Time Collected: 1135

16281-Dup 1200

Technician Signature: Joe Terry

EPS

Monitoring Well Sampling Form

EPS Project: LRM - East Point **Date:** 10-6-16

Well ID: MW-52 **Field Conditions:** clear, 76°F

Sampling Performed By: J. Terry M. Spitzmiller

Well Construction: flush mount **General Condition of Well:** good

Well Labeled: Y **Well Cap:** Y **Well Locked:** N **Condition of surrounding area:** middle of road

Well depth from TOC: 21.60 **Depth to Water from TOC:** 14.58

Well Diameter (in): 1 **Method of measure:** Water Level Meter

Height (Ht) of water in well (Well depth from TOC - Static level from TOC): 7.02

Volume of water in well (Ht. x(.16 for 2")(.653 for 4")(1.469 for 6"): 0.3 **Three Well Volumes (gal):** 0.9

Purging Method: low flow, low stress peristaltic **Time @ Start of Purge:** 1405

Sample Method: direct/straw **Sample Parameters:** VOCs

Time	Volume (gal)	Temp (°C)	pH	ORP (mV)	Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to Water (ft)	Comments
1430	0.5	26.74	8.95	-372.5	0.677	911	6.57	16.92	purge rate: 0.02 GPM
1450	0.9	26.87	8.90	-458.9	0.651	787	5.29	16.68	tubing located in middle
1517	1.4	27.53	8.78	-476.9	0.626	677	4.36	16.23	of screen zone. Decreased
1530	1.5	27.69	8.83	-476.7	0.633	85	0.32	16.15	purge rate to 0.01 GPM at
1542	1.6	28.57	8.88	-496.6	0.600	106	0.41	16.10	1510.
1600	1.8	27.66	8.87	-411.9	0.577	121	0.42	16.10	Cleaned flow cell at 1525
1605	1.9	27.55	8.84	-453.9	0.572	128	0.96	16.10	
1610	2	27.64	8.83	-459.1	0.572	126	1.00	16.10	

Water Quality Meter (Make/Model/SN): YSI 556 ~~MPS~~ 11C100914

Turbidity Meter: LaMotte 2020we SN: 2953-0413

Sample ID: 16280-MW-52 ~~16280~~ DT

Time Collected: 1615

Technician Signature: Jm Ty

EPS

Monitoring Well Sampling Form

EPS Project: LRM - East Point **Date:** 10/6/16

Well ID: MW-53 **Field Conditions:** sunny, 80°F

Sampling Performed By: MRS/JT

Well Construction: flush mount **General Condition of Well:** good/new

Well Labeled: ✓ **Well Cap:** ✓ **Well Locked:** ✓ **Condition of surrounding area:** clear (on rd)

Well depth from TOC: ~~44.60~~ 44.90 QT 10-6-16 **Depth to Water from TOC:** 14.67

Well Diameter (in): 1.0 **Method of measure:** Water Level Meter

Height (Ht) of water in well (Well depth from TOC - Static level from TOC): 30.23

Volume of water in well (Ht. x(.16 for 2")(.653 for 4")(1.469 for 6"): 1.2 **Three Well Volumes (gal):** 3.6

Purging Method: low flow, low stress (peristaltic) **Time @ Start of Purge:** 1405

Sample Method: direct/straw **Sample Parameters:** VOCs

Time	Volume (gal)	Temp (°C)	pH	ORP (mV)	Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to Water (ft)	Comments
1420	0.45	24.17	6.61	-28.0	0.315	41.5	12.79	16.92	tubing in middle of screen (inlet)
1430	0.75	24.19	6.87	-79.9	0.305	33.7	7.70	14.90	
1450	1.35	23.58	6.74	-109.9	0.285	28.7	6.01	14.94	
1500	1.65	23.34	~~MD~~ 6.67	-102.6	0.264	19.9	5.27	~~14.5~~ .94 MS	
1515	2.1	23.43	6.51	-79.9	0.249	18.8	4.56	14.94	
1530	2.55	23.13	6.41	-58.1	0.238	15.0	4.05	14.96	
1545	3.0	23.29	6.35	-33.6	0.233	29.0	3.78	14.98	
1600	3.45	23.47	6.29	-16.2	0.223	9.8	1.80	14.98	
1615	3.9	23.73	6.22	2.0	0.214	9.0	1.91	14.98	
1630	4.35	23.51	6.22	4.3	0.215	9.6	1.93	14.98	

Water Quality Meter (Make/Model/SN): YSI 556 11C100915

Turbidity Meter: LaMotte 2020we SN: 2953-0413

Sample ID: 16280-MW-53 Time Collected: ~~1618~~ 1633 MS

Technician Signature: Melissa Spurlock

Monitoring Well Sampling Form

EPS Project: LRM - East Point **Date:** 10-7-16

Well ID: MW-54 **Field Conditions:** overcast, 72°F
Sampling Performed By: J. Terry, M. Spitzmiller
Well Construction: flush mount **General Condition of Well:** Good
Well Labeled: Y **Well Cap:** Y **Well Locked:** N **Condition of surrounding area:** asphalt, middle of roadway
Well depth from TOC: 82.90 **Depth to Water from TOC:** 25.18
Well Diameter (in): 1 **Method of measure:** Water Level Meter
Height (Ht) of water in well (Well depth from TOC - Static level from TOC): 57.72
Volume of water in well (Ht. x(.16 for 2")(.653 for 4")(1.469 for 6"): 2.3 **Three Well Volumes (gal):** 6.9
Purging Method: low flow, low stress micropurge (Solinst 408 double valve pump) **Time @ Start of Purge:** 1220
Sample Method: direct/straw **Sample Parameters:** VOCs

Time	Volume (gal)	Temp (°C)	pH	ORP (mV)	Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to Water (ft)	Comments
1240	0.4	22.45	7.86	97.8	0.238	110	6.05	31.19	Placed pump at 78' BTOC → middle of
1250	0.6	23.12	7.76	68.9	0.209	90	7.80	36.15	using micropurge method screen
1300	0.7	23.63	7.59	48.7	0.119	66	6.89	38.45	Purge rate: 0.02 GPM
1310	0.8	24.19	7.52	36.4	0.102	62	7.20	41.55	reduced purge rate to
1320	0.9	25.62	7.56	26.2	0.108	56	8.00	42.55	0.01 GPM @ 1250
1330	1	26.00	7.55	24.6	0.107	55	7.89	42.70	
1335	~~DT LOS~~ 1.1	24.45	7.52	22.6	0.188	55	7.86	42.81	
1350	1.25	26.82	7.54	19.5	0.108	59	7.81	45.20	Reduced purge rate to 0.007 GPM
1400	1.3	27.39	7.56	15.5	0.107	54	7.88	45.28	(25 mL/min)
1410	1.37	27.46	7.55	15.6	0.106	57	7.88	45.30	

Water Quality Meter (Make/Model/SN): YSI 556 11C100915
Turbidity Meter: LaMotte 2020we 2953-0413

Sample ID: 16281-MW-54 Time Collected: 1415 Technician Signature: Jon Terry

EPS

Monitoring Well Sampling Form

EPS Project: LRM - East Point **Date:** 10-7-16

Well ID: MW-55 **Field Conditions:** overcast, 78°F

Sampling Performed By: J. Terry, M. Spitzmiller

Well Construction: flush mount **General Condition of Well:** good

Well Labeled: Y **Well Cap:** Y **Well Locked:** N **Condition of surrounding area:** in median on Norman Berry Rd

Well depth from TOC: 17.96 **Depth to Water from TOC:** 7.43

Well Diameter (in): 1 **Method of measure:** Water Level Meter

Height (Ht) of water in well (Well depth from TOC - Static level from TOC): 10.53

Volume of water in well (Ht. x(.16 for 2")(.653 for 4")(1.469 for 6"): 0.4 **Three Well Volumes (gal):** 1.2

Purging Method: low flow, low stress (peristaltic) **Time @ Start of Purge:** 1455

Sample Method: direct/straw **Sample Parameters:** VOCs

Time	Volume (gal)	Temp (°C)	pH	ORP (mV)	Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to Water (ft)	Comments
1515	1	23.52	5.49	8.2	0.260	4	2.06	7.50	purge rate: 0.05GPM
1530	1.75	23.63	5.58	-2.3	0.251	1.9	1.83	7.50	Tubing at top of water
1540	2.25	23.54	5.57	-6.4	0.244	1	1.79	7.50	column.
1550	2.75	23.53	5.56	-6.3	0.243	1.02	1.61	7.50	

Water Quality Meter (Make/Model/SN): YSI 556 S/N 11C/00915

Turbidity Meter: LaMotte 2020e ME12953

Sample ID: 16281-MW-55 Time Collected: 1550 Technician Signature: Jan Terry

EPS

Monitoring Well Sampling Form

EPS Project: LRM - East Point **Date:** 10.7.16

Well ID: MW-56 **Field Conditions:** cool, cloudy, 70°F
Sampling Performed By: MRS/JT
Well Construction: flush mount **General Condition of Well:** good (new)
Well Labeled: ✓ **Well Cap:** ✓ **Well Locked:** ✓ **Condition of surrounding area:** in median of rd
Well depth from TOC: 31.34 **Depth to Water from TOC:** 7.44
Well Diameter (in): 1in **Method of measure:** Water Level Meter
Height (Ht) of water in well (Well depth from TOC - Static level from TOC): 23.9
Volume of water in well (Ht. x(.16 for 2")(.653 for 4")(1.469 for 6"): 1 **Three Well Volumes (gal):** 3
Purging Method: low flow, low stress (peristaltic) **Time @ Start of Purge:** 1455
Sample Method: direct/straw **Sample Parameters:** VOCs

Time	Volume (gal)	Temp (°C)	pH	ORP (mV)	Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to Water (ft)	Comments
1505	0.5	22.62	6.64	-2.7	0.293	35.4	9.58	7.50	Tubing at 4ft of water
1510 ~~1515~~ MB	0.75	21.89	6.48	-24.1	0.300	56.7	8.46	7.50	column
1515 ~~1525~~ MB	1.0	21.88	6.47	-32.9	0.305	59.5	8.24	7.50	
1525	1.5	21.92	6.52	-43.9	0.306	48.5	8.02	7.50	
1535	2.0	21.92	6.50	-41.7	0.303	32.9	7.89	7.50	
1550	2.75	21.80	6.41	-30.2	0.294	22.4	6.77	7.50	
1605	3.5	21.67	6.34	-19.8	0.280	16.5	8.71	7.56	
1620	4.25	21.52	6.38	-8.5	0.268	9.8	6.98	7.50	

Water Quality Meter (Make/Model/SN): YSI 556 SN. 11C100914

Sample ID: 16281-MW-56 Time Collected: 1625 Technician Signature: Melissa Hartsfield

EPS

Monitoring Well Sampling Form

EPS Project: LRM - East Point **Date:** 10-7-16

Well ID: MW-57 **Field Conditions:** Overcast, 78°F

Sampling Performed By: J. Terry, M. Seitzmiller

Well Construction: flush mount **General Condition of Well:** good

Well Labeled: Y **Well Cap:** Y **Well Locked:** N **Condition of surrounding area:** Median on Norman Berry Rd

Well depth from TOC: 68.92 **Depth to Water from TOC:** 7.38

Well Diameter (in): 1 **Method of measure:** Water Level Meter

Height (Ht) of water in well (Well depth from TOC - Static level from TOC): 61.54

Volume of water in well (Ht. x(.16 for 2")(.653 for 4")(1.469 for 6"): 2.5 **Three Well Volumes (gal):** 7.5

Purging Method: low flow, low stress (peristaltic) micropurge **Time @ Start of Purge:** 1455

Sample Method: direct/straw **Sample Parameters:** VOCs

Time	Volume (gal)	Temp (°C)	pH	ORP (mV)	Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to Water (ft)	Comments
1605	0.7	23.54	6.44	9.8	0.215	11	8.06	23.60	Tubing in middle of screen
1615	0.8	23.45	6.49	4.3	0.214	9.4	8.02	23.80	Purge Rate: 0.01 GPM
1635	1	23.36	6.44	4.7	0.242	6.2	2.67	24.05	
1646	1.1	21.92	6.41	12.5	0.247	5.4	1.89	24.08	
1655	1.2	21.85	6.33	10.9	0.248	4.1	1.72	23.99	
1705	1.3	21.87	6.34	9.6	0.249	4.0	1.65	24.00	

Water Quality Meter (Make/Model/SN): YSI 556 11C100915

Turbidity Meter: LaMotte 2020e ME12953

Sample ID: 16281-MW-57 Time Collected: 1710 Technician Signature: Jon Terry

APPENDIX C
Laboratory Data Reports

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES

April 06, 2016

Greg Sitomer
Arcadis
1000 Cobb Place Blvd., Bldg. 500-A
Kennesaw GA 30144

TEL: (770) 431-8666
FAX: (770) 435-2666

RE: Lafarge Road Marking

Dear Greg Sitomer: Order No: 1603S12

Analytical Environmental Services, Inc. received 3 samples on 3/30/2016 7:57:00 AM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES's accreditations are as follows:
-NELAC/Florida State Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, and Drinking Water Microbiology, effective 07/01/15-06/30/16.
-NELAC/Louisiana Agency Interest No. 100818 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 07/01/15-06/30/16.
-NELAC/Texas Certificate No. T104704509-16-6 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 03/01/16-02/28/17.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 09/01/17.

Chantelle Kanhai
Project Manager

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

CHAIN OF CUSTODY

Work Order: 1603512
Date: 3-29-16 Page 1 of 1

COMPANY: Arcadis
ADDRESS: 1000 Cobb Place Blvd Building 500A East Point, GA 30144
PHONE: 7704287409
FAX: 7704284004
SAMPLED BY: Ivan Jenkins
SIGNATURE: [signature]

ANALYSIS REQUESTED: Aromatic VOCs in Air

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

#	SAMPLE ID	DATE	TIME	Grab	Composite	Matrix (See codes)	Aromatic VOCs in Air													REMARKS	No # of Containers
		SAMPLED					PRESERVATION (See codes)														
1	AS/SVE Effluent (032916)	3-29-16	1651	✓		Air	1														1
2	AS/SVE Z100 (032916)	3-29-16	1704	✓		↓	1														1
3	AS/SVE Z200 (032916)	3-29-16	2016	✓		↓	1														1
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					
13																					
14																					

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: Ivan Jenkins	3-30-15 0757	1: Tanya Deliso	3/30/16 757
2:		2:	
3:		3:	

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
CLIENT (circled) FedEx UPS MAIL COURIER
GREYHOUND OTHER____

PROJECT INFORMATION
PROJECT NAME: La Farge ~~Pai~~ Air Road Marking
PROJECT #: HT212446.0016
SITE ADDRESS: 2675 R. Martin ST East Point, GA
SEND REPORT TO: gregory.sitomer@arcadis.com
INVOICE TO: (IF DIFFERENT FROM ABOVE)
QUOTE #: ____ PO#: ____

RECEIPT
Total # of Containers: 3

Turnaround Time Request
● Standard 5 Business Days
○ 2 Business Day Rush
○ Next Business Day Rush
○ Same Day Rush (auth req.)
○ Other ____

STATE PROGRAM (if any): ____
E-mail? Y / N; Fax? Y / N
DATA PACKAGE: I II III IV

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

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water
PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc

Date: 6-Apr-16

Client: Arcadis
Project: Lafarge Road Marking
Lab ID: 1603S12

Case Narrative

Chlorinated Volatiles in Air Analysis by Method EPA-18:

LCS/LCSD-221971-3 recovery for Vinyl Chloride was outside control limits biased high. Target analyte was not detected in the analytical samples and data is reportable with high bias.

Analytical Results for Arcadis

Date: 6-Apr-16

Workorder: 1603S12

Client Reference: Lafarge Road Marking

Analyte	Concentration					Limit of Detection (ug)	Qual	Date Analyzed /Analyst		Test Method
	Total (ug)	Front (ug)	Back (ug)	(mg/m3)	(ppm)					
Client ID: AS/SVE EFFLUENT (032916)	**Lab ID:** 1603S12-001A		**Date Sampled:** 3/29/2016		**Media:** Tedlar Bag			**Air Vol.(L):** 1		
1,1,1-Trichloroethane	<10	<10	<10	<10	<1.8	10		3/31/2016	SMA	EPA18
1,1-Dichloroethene	<10	<10	<10	<10	<2.5	10		3/31/2016	SMA	EPA18
2-Butanone	<10	<10	<10	<10	<3.4	10		3/31/2016	SMA	EPA18
4-Methyl-2-pentanone	<10	<10	<10	<10	<2.4	10		3/31/2016	SMA	EPA18
Acetone	<10	<10	<10	<10	<4.2	10		4/1/2016	SMA	EPA18
Benzene	<10	<10	<10	<10	<3.1	10		3/31/2016	SMA	EPA18
Carbon tetrachloride	<10	<10	<10	<10	<1.6	10		3/31/2016	SMA	EPA18
Chloroform	<10	<10	<10	<10	<2.0	10		3/31/2016	SMA	EPA18
cis-1,2-Dichloroethene	<10	<10	<10	<10	<2.5	10		3/31/2016	SMA	EPA18
Diethyl ether	<10	<10	<10	<10	<3.3	10		3/31/2016	SMA	EPA18
Ethylbenzene	<10	<10	<10	<10	<2.3	10		3/31/2016	SMA	EPA18
Freon 141B	<10	<10	<10	<10	<2.1	10		3/31/2016	SMA	EPA18
m,p-Xylene	<20	<20	<20	<20	<4.6	20		3/31/2016	SMA	EPA18
Methyl tert-butyl ether	<10	<10	<10	<10	<2.8	10		3/31/2016	SMA	EPA18
Methylene chloride	<10	<10	<10	<10	<2.9	10		3/31/2016	SMA	EPA18
n-Heptane	<10	<10	<10	<10	<2.4	10		3/31/2016	SMA	EPA18
n-Hexane	<10	<10	<10	<10	<2.8	10		3/31/2016	SMA	EPA18
Naphthalene	<10	<10	<10	<10	<1.9	10		3/31/2016	SMA	EPA18
o-Xylene	<10	<10	<10	<10	<2.3	10		3/31/2016	SMA	EPA18
Tetrachloroethene	<10	<10	<10	<10	<1.5	10		3/31/2016	SMA	EPA18
Toluene	<10	<10	<10	<10	<2.6	10		3/31/2016	SMA	EPA18
trans-1,2-Dichloroethene	<10	<10	<10	<10	<2.5	10		3/31/2016	SMA	EPA18
Trichloroethene	<10	<10	<10	<10	<1.9	10		3/31/2016	SMA	EPA18
TRPH (Based on Benzene)	<100	<100	<100	<100	<31	100		3/31/2016	SMA	EPA18
Vinyl chloride	<10	<10	<10	<10	<3.9	10		3/31/2016	SMA	EPA18
Client ID: AS/SVE Z100 (032916)	**Lab ID:** 1603S12-002A		**Date Sampled:** 3/29/2016		**Media:** Tedlar Bag			**Air Vol.(L):** 1		
1,1,1-Trichloroethane	<10	<10	<10	<10	<1.8	10		4/1/2016	SMA	EPA18
1,1-Dichloroethene	<10	<10	<10	<10	<2.5	10		4/1/2016	SMA	EPA18
2-Butanone	<10	<10	<10	<10	<3.4	10		4/1/2016	SMA	EPA18
4-Methyl-2-pentanone	<10	<10	<10	<10	<2.4	10		4/1/2016	SMA	EPA18
Acetone	<10	<10	<10	<10	<4.2	10		4/1/2016	SMA	EPA18
Benzene	<10	<10	<10	<10	<3.1	10		4/1/2016	SMA	EPA18
Carbon tetrachloride	<10	<10	<10	<10	<1.6	10		4/1/2016	SMA	EPA18
Chloroform	<10	<10	<10	<10	<2.0	10		4/1/2016	SMA	EPA18
cis-1,2-Dichloroethene	<10	<10	<10	<10	<2.5	10		4/1/2016	SMA	EPA18
Diethyl ether	<10	<10	<10	<10	<3.3	10		4/1/2016	SMA	EPA18
Ethylbenzene	<10	<10	<10	<10	<2.3	10		4/1/2016	SMA	EPA18
Freon 141B	<10	<10	<10	<10	<2.1	10		4/1/2016	SMA	EPA18

Qualifiers:

< Less than the indicated limit of detection (LOD)

H Holding time for preparation or analysis

B Analyte detected in the associated Method Blank

(a) Analysis indicates possible breakthrough; back section result is greater than 10 % of the front section result.

Analytical Results
for
Arcadis

Date: 6-Apr-16

Workorder: 1603S12

Client Reference: Lafarge Road Marking

Analyte	Concentration					Limit of Detection (ug)	Qual	Date Analyzed /Analyst		Test Method
	Total (ug)	Front (ug)	Back (ug)	(mg/m3)	(ppm)					
m,p-Xylene	30	29.655	<20	30	6.8	20		4/1/2016	SMA	EPA18
Methyl tert-butyl ether	<10	<10	<10	<10	<2.8	10		4/1/2016	SMA	EPA18
Methylene chloride	<10	<10	<10	<10	<2.9	10		4/1/2016	SMA	EPA18
n-Heptane	120	117.579	<10	120	29	10		4/1/2016	SMA	EPA18
n-Hexane	310	312.184	<10	310	89	10		4/1/2016	SMA	EPA18
Naphthalene	<10	<10	<10	<10	<1.9	10		4/1/2016	SMA	EPA18
o-Xylene	<10	<10	<10	<10	<2.3	10		4/1/2016	SMA	EPA18
Tetrachloroethene	<10	<10	<10	<10	<1.5	10		4/1/2016	SMA	EPA18
Toluene	230	226.42	<10	230	60	10		4/1/2016	SMA	EPA18
trans-1,2-Dichloroethene	<10	<10	<10	<10	<2.5	10		4/1/2016	SMA	EPA18
Trichloroethene	64	63.763	<10	64	12	10		4/1/2016	SMA	EPA18
TRPH (Based on Benzene)	2200	2176.87	<100	2200	680	100		4/1/2016	SMA	EPA18
Vinyl chloride	<10	<10	<10	<10	<3.9	10		4/1/2016	SMA	EPA18

Client ID: AS/SVE Z200 (032916) **Lab ID:** 1603S12-003A **Date Sampled:** 3/29/2016 **Media:** Tedlar Bag **Air Vol.(L):** 1

1,1,1-Trichloroethane	<10	<10	<10	<10	<1.8	10		4/1/2016	SMA	EPA18
1,1-Dichloroethene	<10	<10	<10	<10	<2.5	10		4/1/2016	SMA	EPA18
2-Butanone	<10	<10	<10	<10	<3.4	10		4/1/2016	SMA	EPA18
4-Methyl-2-pentanone	<10	<10	<10	<10	<2.4	10		4/1/2016	SMA	EPA18
Acetone	<10	<10	<10	<10	<4.2	10		4/1/2016	SMA	EPA18
Benzene	<10	<10	<10	<10	<3.1	10		4/1/2016	SMA	EPA18
Carbon tetrachloride	<10	<10	<10	<10	<1.6	10		4/1/2016	SMA	EPA18
Chloroform	<10	<10	<10	<10	<2.0	10		4/1/2016	SMA	EPA18
cis-1,2-Dichloroethene	<10	<10	<10	<10	<2.5	10		4/1/2016	SMA	EPA18
Diethyl ether	<10	<10	<10	<10	<3.3	10		4/1/2016	SMA	EPA18
Ethylbenzene	<10	<10	<10	<10	<2.3	10		4/1/2016	SMA	EPA18
Freon 141B	<10	<10	<10	<10	<2.1	10		4/1/2016	SMA	EPA18
m,p-Xylene	26	26.127	<20	26	6.0	20		4/1/2016	SMA	EPA18
Methyl tert-butyl ether	<10	<10	<10	<10	<2.8	10		4/1/2016	SMA	EPA18
Methylene chloride	<10	<10	<10	<10	<2.9	10		4/1/2016	SMA	EPA18
n-Heptane	94	94.424	<10	94	23	10		4/1/2016	SMA	EPA18
n-Hexane	200	197.349	<10	200	56	10		4/1/2016	SMA	EPA18
Naphthalene	<10	<10	<10	<10	<1.9	10		4/1/2016	SMA	EPA18
o-Xylene	<10	<10	<10	<10	<2.3	10		4/1/2016	SMA	EPA18
Tetrachloroethene	<10	<10	<10	<10	<1.5	10		4/1/2016	SMA	EPA18
Toluene	180	182.675	<10	180	48	10		4/1/2016	SMA	EPA18
trans-1,2-Dichloroethene	<10	<10	<10	<10	<2.5	10		4/1/2016	SMA	EPA18
Trichloroethene	45	45.051	<10	45	8.4	10		4/1/2016	SMA	EPA18
TRPH (Based on Benzene)	1600	1569.87	<100	1600	490	100		4/1/2016	SMA	EPA18
Vinyl chloride	<10	<10	<10	<10	<3.9	10		4/1/2016	SMA	EPA18

Qualifiers:

< Less than the indicated limit of detection (LOD)
H Holding time for preparation or analysis
B Analyte detected in the associated Method Blank
(a) Analysis indicates possible breakthrough; back section result is greater than 10 % of the front section result.

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client Arcadis Work Order Number 1603512

Checklist completed by Signature 3/30/16 Date

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

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

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

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

Container/Temp Blank temperature in compliance? ~~(0°≤6°C)*~~ AD 3/30 Yes ✓ No __

Cooler #1 amb Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

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

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

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes ✓ No __

Was TAT marked on the COC? Yes ✓ No __

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

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

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

Adjusted? _____ Checked by _____

Sample Condition: Good ✓ Other(Explain) _____

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

See Case Narrative for resolution of the Non-Conformance.

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

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

Analytical Environmental Services, Inc

Date: 6-Apr-16

Client: Arcadis
Project Name: Lafarge Road Marking
Lab Order: 1603S12

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1603S12-001A	AS/SVE EFFLUENT (032916)	3/29/2016 4:51:00PM	Air	Aromatic Volatiles in Air		3/30/2016 9:46:19AM	03/31/2016
1603S12-001A	AS/SVE EFFLUENT (032916)	3/29/2016 4:51:00PM	Air	Chlorinated Volatiles in Air		3/30/2016 9:46:19AM	03/31/2016
1603S12-001A	AS/SVE EFFLUENT (032916)	3/29/2016 4:51:00PM	Air	Volatile Hydrocarbons in Air		3/30/2016 9:46:19AM	03/31/2016
1603S12-001A	AS/SVE EFFLUENT (032916)	3/29/2016 4:51:00PM	Air	Volatile Hydrocarbons in Air		3/30/2016 9:46:19AM	04/01/2016
1603S12-002A	AS/SVE Z100 (032916)	3/29/2016 5:04:00PM	Air	Aromatic Volatiles in Air		3/30/2016 9:46:19AM	04/01/2016
1603S12-002A	AS/SVE Z100 (032916)	3/29/2016 5:04:00PM	Air	Chlorinated Volatiles in Air		3/30/2016 9:46:19AM	04/01/2016
1603S12-002A	AS/SVE Z100 (032916)	3/29/2016 5:04:00PM	Air	Volatile Hydrocarbons in Air		3/30/2016 9:46:19AM	04/01/2016
1603S12-003A	AS/SVE Z200 (032916)	3/29/2016 8:16:00PM	Air	Aromatic Volatiles in Air		3/30/2016 9:46:19AM	04/01/2016
1603S12-003A	AS/SVE Z200 (032916)	3/29/2016 8:16:00PM	Air	Chlorinated Volatiles in Air		3/30/2016 9:46:19AM	04/01/2016
1603S12-003A	AS/SVE Z200 (032916)	3/29/2016 8:16:00PM	Air	Volatile Hydrocarbons in Air		3/30/2016 9:46:19AM	04/01/2016

Client: Arcadis
Project Name: Lafarge Road Marking
Workorder: 1603S12

ANALYTICAL QC SUMMARY REPORT

BatchID: 221971

Sample ID: **MB-221971** Client ID: Units: **ug, Total** Prep Date: **03/31/2016** Run No: **313823**
SampleType: **MBLK** TestCode: **Chlorinated Volatiles in Air EPA18** BatchID: **221971** Analysis Date: **03/31/2016** Seq No: **6750878**

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	10									
1,1-Dichloroethene	BRL	10									
Carbon tetrachloride	BRL	10									
Chloroform	BRL	10									
cis-1,2-Dichloroethene	BRL	10									
Freon 141B	BRL	10									
Methylene chloride	BRL	10									
Tetrachloroethene	BRL	10									
trans-1,2-Dichloroethene	BRL	10									
Trichloroethene	BRL	10									
Vinyl chloride	BRL	10									

Sample ID: **MB-221971** Client ID: Units: **ug, Total** Prep Date: **03/31/2016** Run No: **313832**
SampleType: **MBLK** TestCode: **Volatile Hydrocarbons in Air EPA18** BatchID: **221971** Analysis Date: **03/31/2016** Seq No: **6750967**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Butanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Diethyl ether	BRL	10									
n-Heptane	BRL	10									
n-Hexane	BRL	10									

Sample ID: **MB-221971** Client ID: Units: **ug, Total** Prep Date: **03/31/2016** Run No: **313832**
SampleType: **MBLK** TestCode: **Volatile Hydrocarbons in Air EPA18** BatchID: **221971** Analysis Date: **04/01/2016** Seq No: **6750977**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acetone	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: Arcadis
Project Name: Lafarge Road Marking
Workorder: 1603S12

ANALYTICAL QC SUMMARY REPORT

BatchID: 221971

Sample ID: **MB-221971** Client ID: Units: **ug, Total** Prep Date: **03/31/2016** Run No: **313836**
SampleType: **MBLK** TestCode: **Aromatic Volatiles in Air EPA18** BatchID: **221971** Analysis Date: **03/31/2016** Seq No: **6750995**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	BRL	10									
Ethylbenzene	BRL	10									
m,p-Xylene	BRL	20									
Methyl tert-butyl ether	BRL	10									
Naphthalene	BRL	10									
o-Xylene	BRL	10									
Toluene	BRL	10									
TRPH (Based on Benzene)	BRL	100									

Sample ID: **LCS-221971** Client ID: Units: **ug, Total** Prep Date: **03/31/2016** Run No: **313823**
SampleType: **LCS** TestCode: **Chlorinated Volatiles in Air EPA18** BatchID: **221971** Analysis Date: **03/31/2016** Seq No: **6750879**

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	101.5	10	100.0		102	85	118				
Carbon tetrachloride	96.16	10	100.0		96.2	85	118				
Chloroform	95.36	10	100.0		95.4	85	120				
Methylene chloride	95.79	10	100.0		95.8	82.5	121				
Tetrachloroethene	100.6	10	100.0		101	85	120				
Trichloroethene	100.7	10	100.0		101	85	121				

Sample ID: **LCS-221971** Client ID: Units: **ug, Total** Prep Date: **03/31/2016** Run No: **313832**
SampleType: **LCS** TestCode: **Volatile Hydrocarbons in Air EPA18** BatchID: **221971** Analysis Date: **03/31/2016** Seq No: **6750968**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Butanone	84.96	10	100.0		85.0	77.5	120				
4-Methyl-2-pentanone	92.97	10	100.0		93.0	83.1	120				
Diethyl ether	92.06	10	100.0		92.1	81.9	120				
n-Heptane	101.9	10	100.0		102	85	120				

Qualifiers:

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

Client: Arcadis
Project Name: Lafarge Road Marking
Workorder: 1603S12

ANALYTICAL QC SUMMARY REPORT

BatchID: 221971

Sample ID: **LCS-221971**	Client ID:			Units: **ug, Total**	Prep Date: **03/31/2016**	Run No: **313832**
SampleType: **LCS**	TestCode: **Volatile Hydrocarbons in Air EPA18**			BatchID: **221971**	Analysis Date: **03/31/2016**	Seq No: **6750968**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
n-Hexane	98.25	10	100.0		98.3	85	121				

Sample ID: **LCS-221971**	Client ID:			Units: **ug, Total**	Prep Date: **03/31/2016**	Run No: **313832**
SampleType: **LCS**	TestCode: **Volatile Hydrocarbons in Air EPA18**			BatchID: **221971**	Analysis Date: **04/01/2016**	Seq No: **6750978**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acetone	70.13	10	100.0		70.1	60.5	120				

Sample ID: **LCS-221971**	Client ID:			Units: **ug, Total**	Prep Date: **03/31/2016**	Run No: **313836**
SampleType: **LCS**	TestCode: **Aromatic Volatiles in Air EPA18**			BatchID: **221971**	Analysis Date: **03/31/2016**	Seq No: **6750996**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	96.82	10	100.0		96.8	80	117				
Ethylbenzene	100.4	10	100.0		100	80	123				
m,p-Xylene	198.4	20	200.0		99.2	80	121				
Methyl tert-butyl ether	91.76	10	100.0		91.8	71.6	115				
Naphthalene	47.60	10	100.0		47.6	36	100				
o-Xylene	101.5	10	100.0		101	80	116				
Toluene	98.70	10	100.0		98.7	80	118				

Sample ID: **LCS-221971-2**	Client ID:			Units: **ug, Total**	Prep Date: **03/30/2016**	Run No: **313823**
SampleType: **LCS**	TestCode: **Chlorinated Volatiles in Air EPA18**			BatchID: **221971**	Analysis Date: **03/31/2016**	Seq No: **6750881**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	94.53	10	100.0		94.5	80.5	120				
cis-1,2-Dichloroethene	99.87	10	100.0		99.9	85	118				
trans-1,2-Dichloroethene	100.1	10	100.0		100	85	120				

Qualifiers:

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

Client: Arcadis
Project Name: Lafarge Road Marking
Workorder: 1603S12

ANALYTICAL QC SUMMARY REPORT

BatchID: 221971

Sample ID: **LCS-221971-3** Client ID: Units: **ug, Total** Prep Date: **03/30/2016** Run No: **313823**
SampleType: **LCS** TestCode: **Chlorinated Volatiles in Air EPA18** BatchID: **221971** Analysis Date: **03/31/2016** Seq No: **6750883**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Vinyl chloride	35.36	10	25.00		141	50	116				S

Sample ID: **LCSD-221971** Client ID: Units: **ug, Total** Prep Date: **03/30/2016** Run No: **313823**
SampleType: **LCSD** TestCode: **Chlorinated Volatiles in Air EPA18** BatchID: **221971** Analysis Date: **03/31/2016** Seq No: **6750880**

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	104.3	10	100.0		104	85	118	101.5	2.72	15	
Carbon tetrachloride	99.98	10	100.0		100.0	85	118	96.16	3.89	15	
Chloroform	98.67	10	100.0		98.7	85	120	95.36	3.42	15	
Methylene chloride	105.8	10	100.0		106	82.5	121	95.79	9.93	15	
Tetrachloroethene	102.8	10	100.0		103	85	120	100.6	2.17	15	
Trichloroethene	103.0	10	100.0		103	85	121	100.7	2.31	15	

Sample ID: **LCSD-221971** Client ID: Units: **ug, Total** Prep Date: **03/30/2016** Run No: **313832**
SampleType: **LCSD** TestCode: **Volatile Hydrocarbons in Air EPA18** BatchID: **221971** Analysis Date: **03/31/2016** Seq No: **6750970**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Butanone	83.62	10	100.0		83.6	77.5	120	84.96	1.58	15	
4-Methyl-2-pentanone	92.29	10	100.0		92.3	83.1	120	92.97	0.731	15	
Diethyl ether	95.04	10	100.0		95.0	81.9	120	92.06	3.19	15	
n-Heptane	103.8	10	100.0		104	85	120	101.9	1.82	15	
n-Hexane	106.6	10	100.0		107	85	121	98.25	8.15	15	

Sample ID: **LCSD-221971** Client ID: Units: **ug, Total** Prep Date: **03/30/2016** Run No: **313832**
SampleType: **LCSD** TestCode: **Volatile Hydrocarbons in Air EPA18** BatchID: **221971** Analysis Date: **04/01/2016** Seq No: **6750979**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acetone	66.23	10	100.0		66.2	60.5	120	70.13	5.71	15	

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: Arcadis
Project Name: Lafarge Road Marking
Workorder: 1603S12

ANALYTICAL QC SUMMARY REPORT

BatchID: 221971

Sample ID: **LCSD-221971** Client ID: Units: **ug, Total** Prep Date: **03/30/2016** Run No: **313836**
SampleType: **LCSD** TestCode: **Aromatic Volatiles in Air EPA18** BatchID: **221971** Analysis Date: **03/31/2016** Seq No: **6750997**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	98.39	10	100.0		98.4	80	117	96.82	1.60	15	
Ethylbenzene	102.2	10	100.0		102	80	123	100.4	1.79	15	
m,p-Xylene	201.7	20	200.0		101	80	121	198.4	1.66	15	
Methyl tert-butyl ether	95.41	10	100.0		95.4	71.6	115	91.76	3.90	15	
Naphthalene	47.08	10	100.0		47.1	36	100	47.60	1.10	15	
o-Xylene	102.5	10	100.0		103	80	116	101.5	1.03	15	
Toluene	100.3	10	100.0		100	80	118	98.70	1.65	15	

Sample ID: **LCSD-221971-2** Client ID: Units: **ug, Total** Prep Date: **03/30/2016** Run No: **313823**
SampleType: **LCSD** TestCode: **Chlorinated Volatiles in Air EPA18** BatchID: **221971** Analysis Date: **03/31/2016** Seq No: **6750882**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	97.25	10	100.0		97.2	80.5	120	94.53	2.83	15	
cis-1,2-Dichloroethene	101.6	10	100.0		102	85	118	99.87	1.76	15	
trans-1,2-Dichloroethene	102.3	10	100.0		102	85	120	100.1	2.14	15	

Sample ID: **LCSD-221971-3** Client ID: Units: **ug, Total** Prep Date: **03/30/2016** Run No: **313823**
SampleType: **LCSD** TestCode: **Chlorinated Volatiles in Air EPA18** BatchID: **221971** Analysis Date: **03/31/2016** Seq No: **6750884**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Vinyl chloride	35.70	10	25.00		143	50	116	35.36	0.971	19.2	S

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.

July 01, 2016

Timmerly Bullman
Environmental Planning Specialists, Inc.
1050 Crown Pointe Parkway
Atlanta GA 30338

TEL: (404) 315-9113
FAX: (404) 315-8509

RE: LRM

Dear Timmerly Bullman: Order No: 1606O83

Analytical Environmental Services, Inc. received 15 samples on 6/24/2016 10:23:00 AM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES's accreditations are as follows:
-NELAC/Florida State Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, and Drinking Water Microbiology, effective 07/01/16-06/30/17.
-NELAC/Louisiana Agency Interest No. 100818 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 07/01/16-06/30/17.
-NELAC/Texas Certificate No. T104704509-16-6 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 03/01/16-02/28/17.
-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 09/01/17.

Chantelle Kanhai
Project Manager

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

CHAIN OF CUSTODY

Work Order: 16J0083

Date: 6-23-16 Page 1 of 2

COMPANY: EPS Inc.
ADDRESS: 1050 Crown Pointe Pkwy Ste 550 Atlanta, GA 30338
PHONE: 404 315 9113
FAX:
SAMPLED BY: Alex Testoff / Brian Goldman
SIGNATURE: Alex Testoff / Brian Goldman

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	VOCs H+I	No # of Containers
1	16174-MW-39	6-23-16	1515	X		GW	X	2
2	16174-MW-40		1255	X		GW	X	2
3	16174-MW-41		1650	X		GW	X	2
4	16174-MW-42		1735	X		GW	X	2
5	16174-MW-43		1625	X		GW	X	2
6	16174-MW-44		1425	X		GW	X	2
7	16174-MW-45		1602	X		GW	X	2
8	16174-MW-46		1318	X		GW	X	2
9	16174-MW-47		1305	X		GW	X	2
10	16174-MW-48		1115	X		GW	X	2
11	16174-TW-1		1705	X		GW	X	2
12	16174-TW-2		1532	X		GW	X	2
13	16174-TW-3	↓	1825	X		GW	X	2
14	16174-DUP	6-23-16	1200	X		GW	X	2

ANALYSIS REQUESTED — PRESERVATION (See codes)

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

REMARKS

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: Alex Testoff	6-24-16 0800	1:	6-24-16 0800
2:	6-24-16 1023	2: Jessica Shilly	6/24/16 10:23 am
3:		3:	

SPECIAL INSTRUCTIONS/COMMENTS:

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

PROJECT INFORMATION
PROJECT NAME: LRM
PROJECT #:
SITE ADDRESS: East Point, GA
SEND REPORT TO: thallman@envplanning.com & atestoff@envplanning.com
INVOICE TO: (IF DIFFERENT FROM ABOVE)
QUOTE #: PO#:

RECEIPT
Total # of Containers: 28

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

STATE PROGRAM (if any): _____
E-mail? Y / N; Fax? Y / N
DATA PACKAGE: I II III IV

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

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water
PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

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

CHAIN OF CUSTODY

Work Order: 1606083

Date: 6-23-16 Page 2 of 2

COMPANY: EPS Inc
ADDRESS: 1050 Crown Pointe Pkwy Ste. 550 Atlanta, GA 30338
PHONE:
FAX:
SAMPLED BY: Alex Testoff/Brian Goldman
SIGNATURE: Alex Testoff

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	VOCs	PRESERVATION (See codes) H+I	REMARKS	No # of Containers
1	Trip Blank	6-23-16				W	X	X		2
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										

ANALYSIS REQUESTED

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

RELINQUISHED BY
1: Alex Testoff DATE/TIME 6-24-16 0800
2: DATE/TIME 6-24-16 1023
3:

RECEIVED BY
1: DATE/TIME 6-24-16 0800
2: Jessica Atwilley 6/24/16 10:23 am
3:

PROJECT INFORMATION
PROJECT NAME: LRM
PROJECT #:
SITE ADDRESS: East Point, GA
SEND REPORT TO: hullman@enviplanning.com &
INVOICE TO: atestoff@enviplanning.com
(IF DIFFERENT FROM ABOVE)
QUOTE #: PO#:

RECEIPT
Total # of Containers 2

Turnaround Time Request
- (●) Standard 5 Business Days
- ( ) 2 Business Day Rush
- ( ) Next Business Day Rush
- ( ) Same Day Rush (auth req.)
- ( ) Other

STATE PROGRAM (if any):
E-mail? Y / N; Fax? Y / N
DATA PACKAGE: I II III IV

SPECIAL INSTRUCTIONS/COMMENTS:

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

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

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water
PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc

Date: 1-Jul-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16174-MW-39
Project Name:	LRM	**Collection Date:**	6/23/2016 3:15:00 PM
Lab ID:	1606O83-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 08:43	CH
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 08:43	CH
1,1,2-Trichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 08:43	CH
1,1-Dichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 08:43	CH
1,1-Dichloroethene	BRL	5.0		ug/L	226156	1	06/28/2016 08:43	CH
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 08:43	CH
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	226156	1	06/28/2016 08:43	CH
1,2-Dibromoethane	BRL	5.0		ug/L	226156	1	06/28/2016 08:43	CH
1,2-Dichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 08:43	CH
1,2-Dichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 08:43	CH
1,2-Dichloropropane	BRL	5.0		ug/L	226156	1	06/28/2016 08:43	CH
1,3-Dichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 08:43	CH
1,4-Dichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 08:43	CH
2-Butanone	BRL	50		ug/L	226156	1	06/28/2016 08:43	CH
2-Hexanone	BRL	10		ug/L	226156	1	06/28/2016 08:43	CH
4-Methyl-2-pentanone	BRL	10		ug/L	226156	1	06/28/2016 08:43	CH
Acetone	BRL	50		ug/L	226156	1	06/28/2016 08:43	CH
Benzene	BRL	5.0		ug/L	226156	1	06/28/2016 08:43	CH
Bromodichloromethane	BRL	5.0		ug/L	226156	1	06/28/2016 08:43	CH
Bromoform	BRL	5.0		ug/L	226156	1	06/28/2016 08:43	CH
Bromomethane	BRL	5.0		ug/L	226156	1	06/28/2016 08:43	CH
Carbon disulfide	BRL	5.0		ug/L	226156	1	06/28/2016 08:43	CH
Carbon tetrachloride	BRL	5.0		ug/L	226156	1	06/28/2016 08:43	CH
Chlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 08:43	CH
Chloroethane	BRL	10		ug/L	226156	1	06/28/2016 08:43	CH
Chloroform	13	5.0		ug/L	226156	1	06/28/2016 08:43	CH
Chloromethane	BRL	10		ug/L	226156	1	06/28/2016 08:43	CH
cis-1,2-Dichloroethene	22	5.0		ug/L	226156	1	06/28/2016 08:43	CH
cis-1,3-Dichloropropene	BRL	5.0		ug/L	226156	1	06/28/2016 08:43	CH
Cyclohexane	BRL	5.0		ug/L	226156	1	06/28/2016 08:43	CH
Dibromochloromethane	BRL	5.0		ug/L	226156	1	06/28/2016 08:43	CH
Dichlorodifluoromethane	BRL	10		ug/L	226156	1	06/28/2016 08:43	CH
Ethylbenzene	BRL	5.0		ug/L	226156	1	06/28/2016 08:43	CH
Freon-113	BRL	10		ug/L	226156	1	06/28/2016 08:43	CH
Isopropylbenzene	BRL	5.0		ug/L	226156	1	06/28/2016 08:43	CH
m,p-Xylene	BRL	5.0		ug/L	226156	1	06/28/2016 08:43	CH
Methyl acetate	BRL	5.0		ug/L	226156	1	06/28/2016 08:43	CH
Methyl tert-butyl ether	BRL	5.0		ug/L	226156	1	06/28/2016 08:43	CH
Methylcyclohexane	BRL	5.0		ug/L	226156	1	06/28/2016 08:43	CH
Methylene chloride	BRL	10		ug/L	226156	1	06/28/2016 08:43	CH
o-Xylene	BRL	5.0		ug/L	226156	1	06/28/2016 08:43	CH

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 1-Jul-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16174-MW-39
Project Name:	LRM	**Collection Date:**	6/23/2016 3:15:00 PM
Lab ID:	1606O83-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	226156	1	06/28/2016 08:43	CH
Tetrachloroethene	BRL	5.0		ug/L	226156	1	06/28/2016 08:43	CH
Toluene	10	5.0		ug/L	226156	1	06/28/2016 08:43	CH
trans-1,2-Dichloroethene	BRL	5.0		ug/L	226156	1	06/28/2016 08:43	CH
trans-1,3-Dichloropropene	BRL	5.0		ug/L	226156	1	06/28/2016 08:43	CH
Trichloroethene	310	50		ug/L	226156	10	06/29/2016 02:25	CH
Trichlorofluoromethane	BRL	5.0		ug/L	226156	1	06/28/2016 08:43	CH
Vinyl chloride	BRL	2.0		ug/L	226156	1	06/28/2016 08:43	CH
Surr: 4-Bromofluorobenzene	78.7	70.7-125		%REC	226156	1	06/28/2016 08:43	CH
Surr: 4-Bromofluorobenzene	78.2	70.7-125		%REC	226156	10	06/29/2016 02:25	CH
Surr: Dibromofluoromethane	107	82.2-120		%REC	226156	1	06/28/2016 08:43	CH
Surr: Dibromofluoromethane	108	82.2-120		%REC	226156	10	06/29/2016 02:25	CH
Surr: Toluene-d8	107	81.8-120		%REC	226156	1	06/28/2016 08:43	CH
Surr: Toluene-d8	105	81.8-120		%REC	226156	10	06/29/2016 02:25	CH

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 1-Jul-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16174-MW-40
Project Name:	LRM	**Collection Date:**	6/23/2016 12:55:00 PM
Lab ID:	1606O83-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	226156	1	06/29/2016 01:08	CH
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	226156	1	06/29/2016 01:08	CH
1,1,2-Trichloroethane	BRL	5.0		ug/L	226156	1	06/29/2016 01:08	CH
1,1-Dichloroethane	BRL	5.0		ug/L	226156	1	06/29/2016 01:08	CH
1,1-Dichloroethene	BRL	5.0		ug/L	226156	1	06/29/2016 01:08	CH
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	226156	1	06/29/2016 01:08	CH
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	226156	1	06/29/2016 01:08	CH
1,2-Dibromoethane	BRL	5.0		ug/L	226156	1	06/29/2016 01:08	CH
1,2-Dichlorobenzene	BRL	5.0		ug/L	226156	1	06/29/2016 01:08	CH
1,2-Dichloroethane	BRL	5.0		ug/L	226156	1	06/29/2016 01:08	CH
1,2-Dichloropropane	BRL	5.0		ug/L	226156	1	06/29/2016 01:08	CH
1,3-Dichlorobenzene	BRL	5.0		ug/L	226156	1	06/29/2016 01:08	CH
1,4-Dichlorobenzene	BRL	5.0		ug/L	226156	1	06/29/2016 01:08	CH
2-Butanone	BRL	50		ug/L	226156	1	06/29/2016 01:08	CH
2-Hexanone	BRL	10		ug/L	226156	1	06/29/2016 01:08	CH
4-Methyl-2-pentanone	BRL	10		ug/L	226156	1	06/29/2016 01:08	CH
Acetone	BRL	50		ug/L	226156	1	06/29/2016 01:08	CH
Benzene	BRL	5.0		ug/L	226156	1	06/29/2016 01:08	CH
Bromodichloromethane	BRL	5.0		ug/L	226156	1	06/29/2016 01:08	CH
Bromoform	BRL	5.0		ug/L	226156	1	06/29/2016 01:08	CH
Bromomethane	BRL	5.0		ug/L	226156	1	06/29/2016 01:08	CH
Carbon disulfide	BRL	5.0		ug/L	226156	1	06/29/2016 01:08	CH
Carbon tetrachloride	BRL	5.0		ug/L	226156	1	06/29/2016 01:08	CH
Chlorobenzene	BRL	5.0		ug/L	226156	1	06/29/2016 01:08	CH
Chloroethane	BRL	10		ug/L	226156	1	06/29/2016 01:08	CH
Chloroform	BRL	5.0		ug/L	226156	1	06/29/2016 01:08	CH
Chloromethane	BRL	10		ug/L	226156	1	06/29/2016 01:08	CH
cis-1,2-Dichloroethene	27	5.0		ug/L	226156	1	06/29/2016 01:08	CH
cis-1,3-Dichloropropene	BRL	5.0		ug/L	226156	1	06/29/2016 01:08	CH
Cyclohexane	BRL	5.0		ug/L	226156	1	06/29/2016 01:08	CH
Dibromochloromethane	BRL	5.0		ug/L	226156	1	06/29/2016 01:08	CH
Dichlorodifluoromethane	BRL	10		ug/L	226156	1	06/29/2016 01:08	CH
Ethylbenzene	BRL	5.0		ug/L	226156	1	06/29/2016 01:08	CH
Freon-113	BRL	10		ug/L	226156	1	06/29/2016 01:08	CH
Isopropylbenzene	BRL	5.0		ug/L	226156	1	06/29/2016 01:08	CH
m,p-Xylene	BRL	5.0		ug/L	226156	1	06/29/2016 01:08	CH
Methyl acetate	BRL	5.0		ug/L	226156	1	06/29/2016 01:08	CH
Methyl tert-butyl ether	BRL	5.0		ug/L	226156	1	06/29/2016 01:08	CH
Methylcyclohexane	BRL	5.0		ug/L	226156	1	06/29/2016 01:08	CH
Methylene chloride	BRL	10		ug/L	226156	1	06/29/2016 01:08	CH
o-Xylene	BRL	5.0		ug/L	226156	1	06/29/2016 01:08	CH

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 1-Jul-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16174-MW-40
Project Name:	LRM	**Collection Date:**	6/23/2016 12:55:00 PM
Lab ID:	1606O83-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	226156	1	06/29/2016 01:08	CH
Tetrachloroethene	BRL	5.0		ug/L	226156	1	06/29/2016 01:08	CH
Toluene	BRL	5.0		ug/L	226156	1	06/29/2016 01:08	CH
trans-1,2-Dichloroethene	BRL	5.0		ug/L	226156	1	06/29/2016 01:08	CH
trans-1,3-Dichloropropene	BRL	5.0		ug/L	226156	1	06/29/2016 01:08	CH
Trichloroethene	9.0	5.0		ug/L	226156	1	06/29/2016 01:08	CH
Trichlorofluoromethane	BRL	5.0		ug/L	226156	1	06/29/2016 01:08	CH
Vinyl chloride	3.6	2.0		ug/L	226156	1	06/29/2016 01:08	CH
Surr: 4-Bromofluorobenzene	78.9	70.7-125		%REC	226156	1	06/29/2016 01:08	CH
Surr: Dibromofluoromethane	101	82.2-120		%REC	226156	1	06/29/2016 01:08	CH
Surr: Toluene-d8	99.6	81.8-120		%REC	226156	1	06/29/2016 01:08	CH

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 1-Jul-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16174-MW-41
Project Name:	LRM	**Collection Date:**	6/23/2016 4:50:00 PM
Lab ID:	1606O83-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 09:35	CH
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 09:35	CH
1,1,2-Trichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 09:35	CH
1,1-Dichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 09:35	CH
1,1-Dichloroethene	24	5.0		ug/L	226156	1	06/28/2016 09:35	CH
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 09:35	CH
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	226156	1	06/28/2016 09:35	CH
1,2-Dibromoethane	BRL	5.0		ug/L	226156	1	06/28/2016 09:35	CH
1,2-Dichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 09:35	CH
1,2-Dichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 09:35	CH
1,2-Dichloropropane	BRL	5.0		ug/L	226156	1	06/28/2016 09:35	CH
1,3-Dichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 09:35	CH
1,4-Dichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 09:35	CH
2-Butanone	BRL	50		ug/L	226156	1	06/28/2016 09:35	CH
2-Hexanone	BRL	10		ug/L	226156	1	06/28/2016 09:35	CH
4-Methyl-2-pentanone	340	250		ug/L	226156	50	06/30/2016 02:09	CH
Acetone	BRL	50		ug/L	226156	1	06/28/2016 09:35	CH
Benzene	31	5.0		ug/L	226156	1	06/28/2016 09:35	CH
Bromodichloromethane	BRL	5.0		ug/L	226156	1	06/28/2016 09:35	CH
Bromoform	BRL	5.0		ug/L	226156	1	06/28/2016 09:35	CH
Bromomethane	BRL	5.0		ug/L	226156	1	06/28/2016 09:35	CH
Carbon disulfide	BRL	5.0		ug/L	226156	1	06/28/2016 09:35	CH
Carbon tetrachloride	BRL	5.0		ug/L	226156	1	06/28/2016 09:35	CH
Chlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 09:35	CH
Chloroethane	BRL	10		ug/L	226156	1	06/28/2016 09:35	CH
Chloroform	5.4	5.0		ug/L	226156	1	06/28/2016 09:35	CH
Chloromethane	BRL	10		ug/L	226156	1	06/28/2016 09:35	CH
cis-1,2-Dichloroethene	9600	5000		ug/L	226156	1000	06/29/2016 02:51	CH
cis-1,3-Dichloropropene	BRL	5.0		ug/L	226156	1	06/28/2016 09:35	CH
Cyclohexane	24	5.0		ug/L	226156	1	06/28/2016 09:35	CH
Dibromochloromethane	BRL	5.0		ug/L	226156	1	06/28/2016 09:35	CH
Dichlorodifluoromethane	BRL	10		ug/L	226156	1	06/28/2016 09:35	CH
Ethylbenzene	740	250		ug/L	226156	50	06/30/2016 02:09	CH
Freon-113	BRL	10		ug/L	226156	1	06/28/2016 09:35	CH
Isopropylbenzene	6.9	5.0		ug/L	226156	1	06/28/2016 09:35	CH
m,p-Xylene	3100	250		ug/L	226156	50	06/30/2016 02:09	CH
Methyl acetate	BRL	5.0		ug/L	226156	1	06/28/2016 09:35	CH
Methyl tert-butyl ether	BRL	5.0		ug/L	226156	1	06/28/2016 09:35	CH
Methylcyclohexane	BRL	5.0		ug/L	226156	1	06/28/2016 09:35	CH
Methylene chloride	120	100		ug/L	226156	50	06/30/2016 02:09	CH
o-Xylene	650	250		ug/L	226156	50	06/30/2016 02:09	CH

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 1-Jul-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16174-MW-41
Project Name:	LRM	**Collection Date:**	6/23/2016 4:50:00 PM
Lab ID:	1606O83-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	226156	1	06/28/2016 09:35	CH
Tetrachloroethene	33	5.0		ug/L	226156	1	06/28/2016 09:35	CH
Toluene	4600	250		ug/L	226156	50	06/30/2016 02:09	CH
trans-1,2-Dichloroethene	BRL	5.0		ug/L	226156	1	06/28/2016 09:35	CH
trans-1,3-Dichloropropene	BRL	5.0		ug/L	226156	1	06/28/2016 09:35	CH
Trichloroethene	130000	5000		ug/L	226156	1000	06/29/2016 02:51	CH
Trichlorofluoromethane	BRL	5.0		ug/L	226156	1	06/28/2016 09:35	CH
Vinyl chloride	36	2.0		ug/L	226156	1	06/28/2016 09:35	CH
Surr: 4-Bromofluorobenzene	83.9	70.7-125		%REC	226156	50	06/30/2016 02:09	CH
Surr: 4-Bromofluorobenzene	79.5	70.7-125		%REC	226156	1000	06/29/2016 02:51	CH
Surr: 4-Bromofluorobenzene	95.2	70.7-125		%REC	226156	1	06/28/2016 09:35	CH
Surr: Dibromofluoromethane	95.8	82.2-120		%REC	226156	50	06/30/2016 02:09	CH
Surr: Dibromofluoromethane	83.2	82.2-120		%REC	226156	1	06/28/2016 09:35	CH
Surr: Dibromofluoromethane	98.8	82.2-120		%REC	226156	1000	06/29/2016 02:51	CH
Surr: Toluene-d8	96	81.8-120		%REC	226156	50	06/30/2016 02:09	CH
Surr: Toluene-d8	78.4	81.8-120	S	%REC	226156	1	06/28/2016 09:35	CH
Surr: Toluene-d8	97.6	81.8-120		%REC	226156	1000	06/29/2016 02:51	CH

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 1-Jul-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16174-MW-42
Project Name:	LRM	**Collection Date:**	6/23/2016 5:35:00 PM
Lab ID:	1606O83-004	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 03:12	CH
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 03:12	CH
1,1,2-Trichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 03:12	CH
1,1-Dichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 03:12	CH
1,1-Dichloroethene	BRL	5.0		ug/L	226156	1	06/28/2016 03:12	CH
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 03:12	CH
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	226156	1	06/28/2016 03:12	CH
1,2-Dibromoethane	BRL	5.0		ug/L	226156	1	06/28/2016 03:12	CH
1,2-Dichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 03:12	CH
1,2-Dichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 03:12	CH
1,2-Dichloropropane	BRL	5.0		ug/L	226156	1	06/28/2016 03:12	CH
1,3-Dichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 03:12	CH
1,4-Dichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 03:12	CH
2-Butanone	BRL	50		ug/L	226156	1	06/28/2016 03:12	CH
2-Hexanone	BRL	10		ug/L	226156	1	06/28/2016 03:12	CH
4-Methyl-2-pentanone	BRL	10		ug/L	226156	1	06/28/2016 03:12	CH
Acetone	BRL	50		ug/L	226156	1	06/28/2016 03:12	CH
Benzene	BRL	5.0		ug/L	226156	1	06/28/2016 03:12	CH
Bromodichloromethane	BRL	5.0		ug/L	226156	1	06/28/2016 03:12	CH
Bromoform	BRL	5.0		ug/L	226156	1	06/28/2016 03:12	CH
Bromomethane	BRL	5.0		ug/L	226156	1	06/28/2016 03:12	CH
Carbon disulfide	BRL	5.0		ug/L	226156	1	06/28/2016 03:12	CH
Carbon tetrachloride	BRL	5.0		ug/L	226156	1	06/28/2016 03:12	CH
Chlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 03:12	CH
Chloroethane	BRL	10		ug/L	226156	1	06/28/2016 03:12	CH
Chloroform	18	5.0		ug/L	226156	1	06/28/2016 03:12	CH
Chloromethane	BRL	10		ug/L	226156	1	06/28/2016 03:12	CH
cis-1,2-Dichloroethene	BRL	5.0		ug/L	226156	1	06/28/2016 03:12	CH
cis-1,3-Dichloropropene	BRL	5.0		ug/L	226156	1	06/28/2016 03:12	CH
Cyclohexane	BRL	5.0		ug/L	226156	1	06/28/2016 03:12	CH
Dibromochloromethane	BRL	5.0		ug/L	226156	1	06/28/2016 03:12	CH
Dichlorodifluoromethane	BRL	10		ug/L	226156	1	06/28/2016 03:12	CH
Ethylbenzene	BRL	5.0		ug/L	226156	1	06/28/2016 03:12	CH
Freon-113	BRL	10		ug/L	226156	1	06/28/2016 03:12	CH
Isopropylbenzene	BRL	5.0		ug/L	226156	1	06/28/2016 03:12	CH
m,p-Xylene	BRL	5.0		ug/L	226156	1	06/28/2016 03:12	CH
Methyl acetate	BRL	5.0		ug/L	226156	1	06/28/2016 03:12	CH
Methyl tert-butyl ether	BRL	5.0		ug/L	226156	1	06/28/2016 03:12	CH
Methylcyclohexane	BRL	5.0		ug/L	226156	1	06/28/2016 03:12	CH
Methylene chloride	BRL	10		ug/L	226156	1	06/28/2016 03:12	CH
o-Xylene	BRL	5.0		ug/L	226156	1	06/28/2016 03:12	CH

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 1-Jul-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16174-MW-42
Project Name:	LRM	**Collection Date:**	6/23/2016 5:35:00 PM
Lab ID:	1606O83-004	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	226156	1	06/28/2016 03:12	CH
Tetrachloroethene	BRL	5.0		ug/L	226156	1	06/28/2016 03:12	CH
Toluene	BRL	5.0		ug/L	226156	1	06/28/2016 03:12	CH
trans-1,2-Dichloroethene	BRL	5.0		ug/L	226156	1	06/28/2016 03:12	CH
trans-1,3-Dichloropropene	BRL	5.0		ug/L	226156	1	06/28/2016 03:12	CH
Trichloroethene	BRL	5.0		ug/L	226156	1	06/28/2016 03:12	CH
Trichlorofluoromethane	BRL	5.0		ug/L	226156	1	06/28/2016 03:12	CH
Vinyl chloride	BRL	2.0		ug/L	226156	1	06/28/2016 03:12	CH
Surr: 4-Bromofluorobenzene	78.3	70.7-125		%REC	226156	1	06/28/2016 03:12	CH
Surr: Dibromofluoromethane	106	82.2-120		%REC	226156	1	06/28/2016 03:12	CH
Surr: Toluene-d8	107	81.8-120		%REC	226156	1	06/28/2016 03:12	CH

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 1-Jul-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16174-MW-43
Project Name:	LRM	**Collection Date:**	6/23/2016 4:25:00 PM
Lab ID:	1606O83-005	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 04:29	CH
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 04:29	CH
1,1,2-Trichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 04:29	CH
1,1-Dichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 04:29	CH
1,1-Dichloroethene	BRL	5.0		ug/L	226156	1	06/28/2016 04:29	CH
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 04:29	CH
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	226156	1	06/28/2016 04:29	CH
1,2-Dibromoethane	BRL	5.0		ug/L	226156	1	06/28/2016 04:29	CH
1,2-Dichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 04:29	CH
1,2-Dichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 04:29	CH
1,2-Dichloropropane	BRL	5.0		ug/L	226156	1	06/28/2016 04:29	CH
1,3-Dichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 04:29	CH
1,4-Dichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 04:29	CH
2-Butanone	BRL	50		ug/L	226156	1	06/28/2016 04:29	CH
2-Hexanone	BRL	10		ug/L	226156	1	06/28/2016 04:29	CH
4-Methyl-2-pentanone	BRL	10		ug/L	226156	1	06/28/2016 04:29	CH
Acetone	BRL	50		ug/L	226156	1	06/28/2016 04:29	CH
Benzene	BRL	5.0		ug/L	226156	1	06/28/2016 04:29	CH
Bromodichloromethane	BRL	5.0		ug/L	226156	1	06/28/2016 04:29	CH
Bromoform	BRL	5.0		ug/L	226156	1	06/28/2016 04:29	CH
Bromomethane	BRL	5.0		ug/L	226156	1	06/28/2016 04:29	CH
Carbon disulfide	BRL	5.0		ug/L	226156	1	06/28/2016 04:29	CH
Carbon tetrachloride	BRL	5.0		ug/L	226156	1	06/28/2016 04:29	CH
Chlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 04:29	CH
Chloroethane	BRL	10		ug/L	226156	1	06/28/2016 04:29	CH
Chloroform	BRL	5.0		ug/L	226156	1	06/28/2016 04:29	CH
Chloromethane	BRL	10		ug/L	226156	1	06/28/2016 04:29	CH
cis-1,2-Dichloroethene	110	5.0		ug/L	226156	1	06/28/2016 04:29	CH
cis-1,3-Dichloropropene	BRL	5.0		ug/L	226156	1	06/28/2016 04:29	CH
Cyclohexane	BRL	5.0		ug/L	226156	1	06/28/2016 04:29	CH
Dibromochloromethane	BRL	5.0		ug/L	226156	1	06/28/2016 04:29	CH
Dichlorodifluoromethane	BRL	10		ug/L	226156	1	06/28/2016 04:29	CH
Ethylbenzene	BRL	5.0		ug/L	226156	1	06/28/2016 04:29	CH
Freon-113	BRL	10		ug/L	226156	1	06/28/2016 04:29	CH
Isopropylbenzene	BRL	5.0		ug/L	226156	1	06/28/2016 04:29	CH
m,p-Xylene	BRL	5.0		ug/L	226156	1	06/28/2016 04:29	CH
Methyl acetate	BRL	5.0		ug/L	226156	1	06/28/2016 04:29	CH
Methyl tert-butyl ether	BRL	5.0		ug/L	226156	1	06/28/2016 04:29	CH
Methylcyclohexane	BRL	5.0		ug/L	226156	1	06/28/2016 04:29	CH
Methylene chloride	BRL	10		ug/L	226156	1	06/28/2016 04:29	CH
o-Xylene	BRL	5.0		ug/L	226156	1	06/28/2016 04:29	CH

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 1-Jul-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16174-MW-43
Project Name:	LRM	**Collection Date:**	6/23/2016 4:25:00 PM
Lab ID:	1606O83-005	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	226156	1	06/28/2016 04:29	CH
Tetrachloroethene	BRL	5.0		ug/L	226156	1	06/28/2016 04:29	CH
Toluene	BRL	5.0		ug/L	226156	1	06/28/2016 04:29	CH
trans-1,2-Dichloroethene	BRL	5.0		ug/L	226156	1	06/28/2016 04:29	CH
trans-1,3-Dichloropropene	BRL	5.0		ug/L	226156	1	06/28/2016 04:29	CH
Trichloroethene	32	5.0		ug/L	226156	1	06/28/2016 04:29	CH
Trichlorofluoromethane	BRL	5.0		ug/L	226156	1	06/28/2016 04:29	CH
Vinyl chloride	BRL	2.0		ug/L	226156	1	06/28/2016 04:29	CH
Surr: 4-Bromofluorobenzene	78.5	70.7-125		%REC	226156	1	06/28/2016 04:29	CH
Surr: Dibromofluoromethane	103	82.2-120		%REC	226156	1	06/28/2016 04:29	CH
Surr: Toluene-d8	105	81.8-120		%REC	226156	1	06/28/2016 04:29	CH

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 1-Jul-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16174-MW-44
Project Name:	LRM	**Collection Date:**	6/23/2016 2:25:00 PM
Lab ID:	1606O83-006	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 04:54	CH
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 04:54	CH
1,1,2-Trichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 04:54	CH
1,1-Dichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 04:54	CH
1,1-Dichloroethene	7.9	5.0		ug/L	226156	1	06/28/2016 04:54	CH
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 04:54	CH
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	226156	1	06/28/2016 04:54	CH
1,2-Dibromoethane	BRL	5.0		ug/L	226156	1	06/28/2016 04:54	CH
1,2-Dichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 04:54	CH
1,2-Dichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 04:54	CH
1,2-Dichloropropane	BRL	5.0		ug/L	226156	1	06/28/2016 04:54	CH
1,3-Dichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 04:54	CH
1,4-Dichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 04:54	CH
2-Butanone	BRL	50		ug/L	226156	1	06/28/2016 04:54	CH
2-Hexanone	BRL	10		ug/L	226156	1	06/28/2016 04:54	CH
4-Methyl-2-pentanone	19	10		ug/L	226156	1	06/28/2016 04:54	CH
Acetone	BRL	50		ug/L	226156	1	06/28/2016 04:54	CH
Benzene	BRL	5.0		ug/L	226156	1	06/28/2016 04:54	CH
Bromodichloromethane	BRL	5.0		ug/L	226156	1	06/28/2016 04:54	CH
Bromoform	BRL	5.0		ug/L	226156	1	06/28/2016 04:54	CH
Bromomethane	BRL	5.0		ug/L	226156	1	06/28/2016 04:54	CH
Carbon disulfide	BRL	5.0		ug/L	226156	1	06/28/2016 04:54	CH
Carbon tetrachloride	BRL	5.0		ug/L	226156	1	06/28/2016 04:54	CH
Chlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 04:54	CH
Chloroethane	BRL	10		ug/L	226156	1	06/28/2016 04:54	CH
Chloroform	BRL	5.0		ug/L	226156	1	06/28/2016 04:54	CH
Chloromethane	BRL	10		ug/L	226156	1	06/28/2016 04:54	CH
cis-1,2-Dichloroethene	2700	250		ug/L	226156	50	06/29/2016 15:05	CH
cis-1,3-Dichloropropene	BRL	5.0		ug/L	226156	1	06/28/2016 04:54	CH
Cyclohexane	BRL	5.0		ug/L	226156	1	06/28/2016 04:54	CH
Dibromochloromethane	BRL	5.0		ug/L	226156	1	06/28/2016 04:54	CH
Dichlorodifluoromethane	BRL	10		ug/L	226156	1	06/28/2016 04:54	CH
Ethylbenzene	BRL	5.0		ug/L	226156	1	06/28/2016 04:54	CH
Freon-113	BRL	10		ug/L	226156	1	06/28/2016 04:54	CH
Isopropylbenzene	BRL	5.0		ug/L	226156	1	06/28/2016 04:54	CH
m,p-Xylene	14	5.0		ug/L	226156	1	06/28/2016 04:54	CH
Methyl acetate	BRL	5.0		ug/L	226156	1	06/28/2016 04:54	CH
Methyl tert-butyl ether	BRL	5.0		ug/L	226156	1	06/28/2016 04:54	CH
Methylcyclohexane	BRL	5.0		ug/L	226156	1	06/28/2016 04:54	CH
Methylene chloride	BRL	10		ug/L	226156	1	06/28/2016 04:54	CH
o-Xylene	BRL	5.0		ug/L	226156	1	06/28/2016 04:54	CH

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 1-Jul-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16174-MW-44
Project Name:	LRM	**Collection Date:**	6/23/2016 2:25:00 PM
Lab ID:	1606O83-006	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	226156	1	06/28/2016 04:54	CH
Tetrachloroethene	5.4	5.0		ug/L	226156	1	06/28/2016 04:54	CH
Toluene	60	5.0		ug/L	226156	1	06/28/2016 04:54	CH
trans-1,2-Dichloroethene	BRL	5.0		ug/L	226156	1	06/28/2016 04:54	CH
trans-1,3-Dichloropropene	BRL	5.0		ug/L	226156	1	06/28/2016 04:54	CH
Trichloroethene	3700	250		ug/L	226156	50	06/29/2016 15:05	CH
Trichlorofluoromethane	BRL	5.0		ug/L	226156	1	06/28/2016 04:54	CH
Vinyl chloride	16	2.0		ug/L	226156	1	06/28/2016 04:54	CH
Surr: 4-Bromofluorobenzene	77.4	70.7-125		%REC	226156	50	06/29/2016 15:05	CH
Surr: 4-Bromofluorobenzene	83.6	70.7-125		%REC	226156	1	06/28/2016 04:54	CH
Surr: Dibromofluoromethane	101	82.2-120		%REC	226156	50	06/29/2016 15:05	CH
Surr: Dibromofluoromethane	89.6	82.2-120		%REC	226156	1	06/28/2016 04:54	CH
Surr: Toluene-d8	98.4	81.8-120		%REC	226156	50	06/29/2016 15:05	CH
Surr: Toluene-d8	96.2	81.8-120		%REC	226156	1	06/28/2016 04:54	CH

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 1-Jul-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16174-MW-45
Project Name:	LRM	**Collection Date:**	6/23/2016 4:02:00 PM
Lab ID:	1606O83-007	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 05:20	CH
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 05:20	CH
1,1,2-Trichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 05:20	CH
1,1-Dichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 05:20	CH
1,1-Dichloroethene	BRL	5.0		ug/L	226156	1	06/28/2016 05:20	CH
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 05:20	CH
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	226156	1	06/28/2016 05:20	CH
1,2-Dibromoethane	BRL	5.0		ug/L	226156	1	06/28/2016 05:20	CH
1,2-Dichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 05:20	CH
1,2-Dichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 05:20	CH
1,2-Dichloropropane	BRL	5.0		ug/L	226156	1	06/28/2016 05:20	CH
1,3-Dichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 05:20	CH
1,4-Dichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 05:20	CH
2-Butanone	BRL	50		ug/L	226156	1	06/28/2016 05:20	CH
2-Hexanone	BRL	10		ug/L	226156	1	06/28/2016 05:20	CH
4-Methyl-2-pentanone	BRL	10		ug/L	226156	1	06/28/2016 05:20	CH
Acetone	BRL	50		ug/L	226156	1	06/28/2016 05:20	CH
Benzene	BRL	5.0		ug/L	226156	1	06/28/2016 05:20	CH
Bromodichloromethane	BRL	5.0		ug/L	226156	1	06/28/2016 05:20	CH
Bromoform	BRL	5.0		ug/L	226156	1	06/28/2016 05:20	CH
Bromomethane	BRL	5.0		ug/L	226156	1	06/28/2016 05:20	CH
Carbon disulfide	BRL	5.0		ug/L	226156	1	06/28/2016 05:20	CH
Carbon tetrachloride	BRL	5.0		ug/L	226156	1	06/28/2016 05:20	CH
Chlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 05:20	CH
Chloroethane	BRL	10		ug/L	226156	1	06/28/2016 05:20	CH
Chloroform	BRL	5.0		ug/L	226156	1	06/28/2016 05:20	CH
Chloromethane	BRL	10		ug/L	226156	1	06/28/2016 05:20	CH
cis-1,2-Dichloroethene	360	50		ug/L	226156	10	06/29/2016 15:31	CH
cis-1,3-Dichloropropene	BRL	5.0		ug/L	226156	1	06/28/2016 05:20	CH
Cyclohexane	BRL	5.0		ug/L	226156	1	06/28/2016 05:20	CH
Dibromochloromethane	BRL	5.0		ug/L	226156	1	06/28/2016 05:20	CH
Dichlorodifluoromethane	BRL	10		ug/L	226156	1	06/28/2016 05:20	CH
Ethylbenzene	BRL	5.0		ug/L	226156	1	06/28/2016 05:20	CH
Freon-113	BRL	10		ug/L	226156	1	06/28/2016 05:20	CH
Isopropylbenzene	BRL	5.0		ug/L	226156	1	06/28/2016 05:20	CH
m,p-Xylene	BRL	5.0		ug/L	226156	1	06/28/2016 05:20	CH
Methyl acetate	BRL	5.0		ug/L	226156	1	06/28/2016 05:20	CH
Methyl tert-butyl ether	BRL	5.0		ug/L	226156	1	06/28/2016 05:20	CH
Methylcyclohexane	BRL	5.0		ug/L	226156	1	06/28/2016 05:20	CH
Methylene chloride	BRL	10		ug/L	226156	1	06/28/2016 05:20	CH
o-Xylene	BRL	5.0		ug/L	226156	1	06/28/2016 05:20	CH

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 1-Jul-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16174-MW-45
Project Name:	LRM	**Collection Date:**	6/23/2016 4:02:00 PM
Lab ID:	1606O83-007	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	226156	1	06/28/2016 05:20	CH
Tetrachloroethene	BRL	5.0		ug/L	226156	1	06/28/2016 05:20	CH
Toluene	BRL	5.0		ug/L	226156	1	06/28/2016 05:20	CH
trans-1,2-Dichloroethene	BRL	5.0		ug/L	226156	1	06/28/2016 05:20	CH
trans-1,3-Dichloropropene	BRL	5.0		ug/L	226156	1	06/28/2016 05:20	CH
Trichloroethene	260	50		ug/L	226156	10	06/29/2016 15:31	CH
Trichlorofluoromethane	BRL	5.0		ug/L	226156	1	06/28/2016 05:20	CH
Vinyl chloride	3.2	2.0		ug/L	226156	1	06/28/2016 05:20	CH
Surr: 4-Bromofluorobenzene	75.5	70.7-125		%REC	226156	10	06/29/2016 15:31	CH
Surr: 4-Bromofluorobenzene	78.5	70.7-125		%REC	226156	1	06/28/2016 05:20	CH
Surr: Dibromofluoromethane	99.2	82.2-120		%REC	226156	1	06/28/2016 05:20	CH
Surr: Dibromofluoromethane	112	82.2-120		%REC	226156	10	06/29/2016 15:31	CH
Surr: Toluene-d8	99.6	81.8-120		%REC	226156	1	06/28/2016 05:20	CH
Surr: Toluene-d8	109	81.8-120		%REC	226156	10	06/29/2016 15:31	CH

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 1-Jul-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16174-MW-46
Project Name:	LRM	**Collection Date:**	6/23/2016 1:18:00 PM
Lab ID:	1606O83-008	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 05:45	CH
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 05:45	CH
1,1,2-Trichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 05:45	CH
1,1-Dichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 05:45	CH
1,1-Dichloroethene	BRL	5.0		ug/L	226156	1	06/28/2016 05:45	CH
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 05:45	CH
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	226156	1	06/28/2016 05:45	CH
1,2-Dibromoethane	BRL	5.0		ug/L	226156	1	06/28/2016 05:45	CH
1,2-Dichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 05:45	CH
1,2-Dichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 05:45	CH
1,2-Dichloropropane	BRL	5.0		ug/L	226156	1	06/28/2016 05:45	CH
1,3-Dichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 05:45	CH
1,4-Dichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 05:45	CH
2-Butanone	BRL	50		ug/L	226156	1	06/28/2016 05:45	CH
2-Hexanone	BRL	10		ug/L	226156	1	06/28/2016 05:45	CH
4-Methyl-2-pentanone	16	10		ug/L	226156	1	06/28/2016 05:45	CH
Acetone	BRL	50		ug/L	226156	1	06/28/2016 05:45	CH
Benzene	BRL	5.0		ug/L	226156	1	06/28/2016 05:45	CH
Bromodichloromethane	BRL	5.0		ug/L	226156	1	06/28/2016 05:45	CH
Bromoform	BRL	5.0		ug/L	226156	1	06/28/2016 05:45	CH
Bromomethane	BRL	5.0		ug/L	226156	1	06/28/2016 05:45	CH
Carbon disulfide	BRL	5.0		ug/L	226156	1	06/28/2016 05:45	CH
Carbon tetrachloride	BRL	5.0		ug/L	226156	1	06/28/2016 05:45	CH
Chlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 05:45	CH
Chloroethane	BRL	10		ug/L	226156	1	06/28/2016 05:45	CH
Chloroform	6.4	5.0		ug/L	226156	1	06/28/2016 05:45	CH
Chloromethane	BRL	10		ug/L	226156	1	06/28/2016 05:45	CH
cis-1,2-Dichloroethene	500	50		ug/L	226156	10	06/30/2016 02:34	CH
cis-1,3-Dichloropropene	BRL	5.0		ug/L	226156	1	06/28/2016 05:45	CH
Cyclohexane	8.7	5.0		ug/L	226156	1	06/28/2016 05:45	CH
Dibromochloromethane	BRL	5.0		ug/L	226156	1	06/28/2016 05:45	CH
Dichlorodifluoromethane	BRL	10		ug/L	226156	1	06/28/2016 05:45	CH
Ethylbenzene	200	50		ug/L	226156	10	06/30/2016 02:34	CH
Freon-113	BRL	10		ug/L	226156	1	06/28/2016 05:45	CH
Isopropylbenzene	BRL	5.0		ug/L	226156	1	06/28/2016 05:45	CH
m,p-Xylene	700	50		ug/L	226156	10	06/30/2016 02:34	CH
Methyl acetate	BRL	5.0		ug/L	226156	1	06/28/2016 05:45	CH
Methyl tert-butyl ether	BRL	5.0		ug/L	226156	1	06/28/2016 05:45	CH
Methylcyclohexane	23	5.0		ug/L	226156	1	06/28/2016 05:45	CH
Methylene chloride	BRL	10		ug/L	226156	1	06/28/2016 05:45	CH
o-Xylene	190	50		ug/L	226156	10	06/30/2016 02:34	CH

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 1-Jul-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16174-MW-46
Project Name:	LRM	**Collection Date:**	6/23/2016 1:18:00 PM
Lab ID:	1606O83-008	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	226156	1	06/28/2016 05:45	CH
Tetrachloroethene	14	5.0		ug/L	226156	1	06/28/2016 05:45	CH
Toluene	350	50		ug/L	226156	10	06/30/2016 02:34	CH
trans-1,2-Dichloroethene	BRL	5.0		ug/L	226156	1	06/28/2016 05:45	CH
trans-1,3-Dichloropropene	BRL	5.0		ug/L	226156	1	06/28/2016 05:45	CH
Trichloroethene	29000	2500		ug/L	226156	500	06/29/2016 03:17	CH
Trichlorofluoromethane	BRL	5.0		ug/L	226156	1	06/28/2016 05:45	CH
Vinyl chloride	4.5	2.0		ug/L	226156	1	06/28/2016 05:45	CH
Surr: 4-Bromofluorobenzene	79	70.7-125		%REC	226156	500	06/29/2016 03:17	CH
Surr: 4-Bromofluorobenzene	84.3	70.7-125		%REC	226156	10	06/30/2016 02:34	CH
Surr: 4-Bromofluorobenzene	89.8	70.7-125		%REC	226156	1	06/28/2016 05:45	CH
Surr: Dibromofluoromethane	106	82.2-120		%REC	226156	500	06/29/2016 03:17	CH
Surr: Dibromofluoromethane	85.4	82.2-120		%REC	226156	1	06/28/2016 05:45	CH
Surr: Dibromofluoromethane	97.4	82.2-120		%REC	226156	10	06/30/2016 02:34	CH
Surr: Toluene-d8	106	81.8-120		%REC	226156	500	06/29/2016 03:17	CH
Surr: Toluene-d8	90.1	81.8-120		%REC	226156	1	06/28/2016 05:45	CH
Surr: Toluene-d8	98.2	81.8-120		%REC	226156	10	06/30/2016 02:34	CH

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 1-Jul-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16174-MW-47
Project Name:	LRM	**Collection Date:**	6/23/2016 1:05:00 PM
Lab ID:	1606O83-009	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 06:11	CH
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 06:11	CH
1,1,2-Trichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 06:11	CH
1,1-Dichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 06:11	CH
1,1-Dichloroethene	BRL	5.0		ug/L	226156	1	06/28/2016 06:11	CH
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 06:11	CH
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	226156	1	06/28/2016 06:11	CH
1,2-Dibromoethane	BRL	5.0		ug/L	226156	1	06/28/2016 06:11	CH
1,2-Dichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 06:11	CH
1,2-Dichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 06:11	CH
1,2-Dichloropropane	BRL	5.0		ug/L	226156	1	06/28/2016 06:11	CH
1,3-Dichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 06:11	CH
1,4-Dichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 06:11	CH
2-Butanone	BRL	50		ug/L	226156	1	06/28/2016 06:11	CH
2-Hexanone	BRL	10		ug/L	226156	1	06/28/2016 06:11	CH
4-Methyl-2-pentanone	BRL	10		ug/L	226156	1	06/28/2016 06:11	CH
Acetone	BRL	50		ug/L	226156	1	06/28/2016 06:11	CH
Benzene	BRL	5.0		ug/L	226156	1	06/28/2016 06:11	CH
Bromodichloromethane	BRL	5.0		ug/L	226156	1	06/28/2016 06:11	CH
Bromoform	BRL	5.0		ug/L	226156	1	06/28/2016 06:11	CH
Bromomethane	BRL	5.0		ug/L	226156	1	06/28/2016 06:11	CH
Carbon disulfide	BRL	5.0		ug/L	226156	1	06/28/2016 06:11	CH
Carbon tetrachloride	BRL	5.0		ug/L	226156	1	06/28/2016 06:11	CH
Chlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 06:11	CH
Chloroethane	BRL	10		ug/L	226156	1	06/28/2016 06:11	CH
Chloroform	BRL	5.0		ug/L	226156	1	06/28/2016 06:11	CH
Chloromethane	BRL	10		ug/L	226156	1	06/28/2016 06:11	CH
cis-1,2-Dichloroethene	630	50		ug/L	226156	10	06/29/2016 16:22	CH
cis-1,3-Dichloropropene	BRL	5.0		ug/L	226156	1	06/28/2016 06:11	CH
Cyclohexane	BRL	5.0		ug/L	226156	1	06/28/2016 06:11	CH
Dibromochloromethane	BRL	5.0		ug/L	226156	1	06/28/2016 06:11	CH
Dichlorodifluoromethane	BRL	10		ug/L	226156	1	06/28/2016 06:11	CH
Ethylbenzene	BRL	5.0		ug/L	226156	1	06/28/2016 06:11	CH
Freon-113	BRL	10		ug/L	226156	1	06/28/2016 06:11	CH
Isopropylbenzene	BRL	5.0		ug/L	226156	1	06/28/2016 06:11	CH
m,p-Xylene	BRL	5.0		ug/L	226156	1	06/28/2016 06:11	CH
Methyl acetate	BRL	5.0		ug/L	226156	1	06/28/2016 06:11	CH
Methyl tert-butyl ether	BRL	5.0		ug/L	226156	1	06/28/2016 06:11	CH
Methylcyclohexane	BRL	5.0		ug/L	226156	1	06/28/2016 06:11	CH
Methylene chloride	BRL	10		ug/L	226156	1	06/28/2016 06:11	CH
o-Xylene	BRL	5.0		ug/L	226156	1	06/28/2016 06:11	CH

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 1-Jul-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16174-MW-47
Project Name:	LRM	**Collection Date:**	6/23/2016 1:05:00 PM
Lab ID:	1606O83-009	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	226156	1	06/28/2016 06:11	CH
Tetrachloroethene	BRL	5.0		ug/L	226156	1	06/28/2016 06:11	CH
Toluene	BRL	5.0		ug/L	226156	1	06/28/2016 06:11	CH
trans-1,2-Dichloroethene	BRL	5.0		ug/L	226156	1	06/28/2016 06:11	CH
trans-1,3-Dichloropropene	BRL	5.0		ug/L	226156	1	06/28/2016 06:11	CH
Trichloroethene	620	50		ug/L	226156	10	06/29/2016 16:22	CH
Trichlorofluoromethane	BRL	5.0		ug/L	226156	1	06/28/2016 06:11	CH
Vinyl chloride	6.8	2.0		ug/L	226156	1	06/28/2016 06:11	CH
Surr: 4-Bromofluorobenzene	73	70.7-125		%REC	226156	10	06/29/2016 16:22	CH
Surr: 4-Bromofluorobenzene	79.4	70.7-125		%REC	226156	1	06/28/2016 06:11	CH
Surr: Dibromofluoromethane	101	82.2-120		%REC	226156	1	06/28/2016 06:11	CH
Surr: Dibromofluoromethane	105	82.2-120		%REC	226156	10	06/29/2016 16:22	CH
Surr: Toluene-d8	101	81.8-120		%REC	226156	10	06/29/2016 16:22	CH
Surr: Toluene-d8	102	81.8-120		%REC	226156	1	06/28/2016 06:11	CH

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 1-Jul-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16174-MW-48
Project Name:	LRM	**Collection Date:**	6/23/2016 11:15:00 AM
Lab ID:	1606O83-010	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 06:36	CH
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 06:36	CH
1,1,2-Trichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 06:36	CH
1,1-Dichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 06:36	CH
1,1-Dichloroethene	BRL	5.0		ug/L	226156	1	06/28/2016 06:36	CH
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 06:36	CH
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	226156	1	06/28/2016 06:36	CH
1,2-Dibromoethane	BRL	5.0		ug/L	226156	1	06/28/2016 06:36	CH
1,2-Dichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 06:36	CH
1,2-Dichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 06:36	CH
1,2-Dichloropropane	BRL	5.0		ug/L	226156	1	06/28/2016 06:36	CH
1,3-Dichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 06:36	CH
1,4-Dichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 06:36	CH
2-Butanone	BRL	50		ug/L	226156	1	06/28/2016 06:36	CH
2-Hexanone	BRL	10		ug/L	226156	1	06/28/2016 06:36	CH
4-Methyl-2-pentanone	BRL	10		ug/L	226156	1	06/28/2016 06:36	CH
Acetone	BRL	50		ug/L	226156	1	06/28/2016 06:36	CH
Benzene	BRL	5.0		ug/L	226156	1	06/28/2016 06:36	CH
Bromodichloromethane	BRL	5.0		ug/L	226156	1	06/28/2016 06:36	CH
Bromoform	BRL	5.0		ug/L	226156	1	06/28/2016 06:36	CH
Bromomethane	BRL	5.0		ug/L	226156	1	06/28/2016 06:36	CH
Carbon disulfide	BRL	5.0		ug/L	226156	1	06/28/2016 06:36	CH
Carbon tetrachloride	BRL	5.0		ug/L	226156	1	06/28/2016 06:36	CH
Chlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 06:36	CH
Chloroethane	BRL	10		ug/L	226156	1	06/28/2016 06:36	CH
Chloroform	BRL	5.0		ug/L	226156	1	06/28/2016 06:36	CH
Chloromethane	BRL	10		ug/L	226156	1	06/28/2016 06:36	CH
cis-1,2-Dichloroethene	680	50		ug/L	226156	10	06/29/2016 00:43	CH
cis-1,3-Dichloropropene	BRL	5.0		ug/L	226156	1	06/28/2016 06:36	CH
Cyclohexane	BRL	5.0		ug/L	226156	1	06/28/2016 06:36	CH
Dibromochloromethane	BRL	5.0		ug/L	226156	1	06/28/2016 06:36	CH
Dichlorodifluoromethane	BRL	10		ug/L	226156	1	06/28/2016 06:36	CH
Ethylbenzene	BRL	5.0		ug/L	226156	1	06/28/2016 06:36	CH
Freon-113	BRL	10		ug/L	226156	1	06/28/2016 06:36	CH
Isopropylbenzene	BRL	5.0		ug/L	226156	1	06/28/2016 06:36	CH
m,p-Xylene	BRL	5.0		ug/L	226156	1	06/28/2016 06:36	CH
Methyl acetate	BRL	5.0		ug/L	226156	1	06/28/2016 06:36	CH
Methyl tert-butyl ether	BRL	5.0		ug/L	226156	1	06/28/2016 06:36	CH
Methylcyclohexane	BRL	5.0		ug/L	226156	1	06/28/2016 06:36	CH
Methylene chloride	BRL	10		ug/L	226156	1	06/28/2016 06:36	CH
o-Xylene	BRL	5.0		ug/L	226156	1	06/28/2016 06:36	CH

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 1-Jul-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16174-MW-48
Project Name:	LRM	**Collection Date:**	6/23/2016 11:15:00 AM
Lab ID:	1606O83-010	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	226156	1	06/28/2016 06:36	CH
Tetrachloroethene	BRL	5.0		ug/L	226156	1	06/28/2016 06:36	CH
Toluene	BRL	5.0		ug/L	226156	1	06/28/2016 06:36	CH
trans-1,2-Dichloroethene	BRL	5.0		ug/L	226156	1	06/28/2016 06:36	CH
trans-1,3-Dichloropropene	BRL	5.0		ug/L	226156	1	06/28/2016 06:36	CH
Trichloroethene	960	50		ug/L	226156	10	06/29/2016 00:43	CH
Trichlorofluoromethane	BRL	5.0		ug/L	226156	1	06/28/2016 06:36	CH
Vinyl chloride	5.5	2.0		ug/L	226156	1	06/28/2016 06:36	CH
Surr: 4-Bromofluorobenzene	77.5	70.7-125		%REC	226156	1	06/28/2016 06:36	CH
Surr: 4-Bromofluorobenzene	81	70.7-125		%REC	226156	10	06/29/2016 00:43	CH
Surr: Dibromofluoromethane	94.3	82.2-120		%REC	226156	1	06/28/2016 06:36	CH
Surr: Dibromofluoromethane	101	82.2-120		%REC	226156	10	06/29/2016 00:43	CH
Surr: Toluene-d8	95.5	81.8-120		%REC	226156	1	06/28/2016 06:36	CH
Surr: Toluene-d8	100	81.8-120		%REC	226156	10	06/29/2016 00:43	CH

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 1-Jul-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16174-TW-1
Project Name:	LRM	**Collection Date:**	6/23/2016 5:05:00 PM
Lab ID:	1606O83-011	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	226156	1	06/29/2016 01:34	CH
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	226156	1	06/29/2016 01:34	CH
1,1,2-Trichloroethane	BRL	5.0		ug/L	226156	1	06/29/2016 01:34	CH
1,1-Dichloroethane	BRL	5.0		ug/L	226156	1	06/29/2016 01:34	CH
1,1-Dichloroethene	BRL	5.0		ug/L	226156	1	06/29/2016 01:34	CH
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	226156	1	06/29/2016 01:34	CH
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	226156	1	06/29/2016 01:34	CH
1,2-Dibromoethane	BRL	5.0		ug/L	226156	1	06/29/2016 01:34	CH
1,2-Dichlorobenzene	BRL	5.0		ug/L	226156	1	06/29/2016 01:34	CH
1,2-Dichloroethane	BRL	5.0		ug/L	226156	1	06/29/2016 01:34	CH
1,2-Dichloropropane	BRL	5.0		ug/L	226156	1	06/29/2016 01:34	CH
1,3-Dichlorobenzene	BRL	5.0		ug/L	226156	1	06/29/2016 01:34	CH
1,4-Dichlorobenzene	BRL	5.0		ug/L	226156	1	06/29/2016 01:34	CH
2-Butanone	BRL	50		ug/L	226156	1	06/29/2016 01:34	CH
2-Hexanone	BRL	10		ug/L	226156	1	06/29/2016 01:34	CH
4-Methyl-2-pentanone	BRL	10		ug/L	226156	1	06/29/2016 01:34	CH
Acetone	BRL	50		ug/L	226156	1	06/29/2016 01:34	CH
Benzene	BRL	5.0		ug/L	226156	1	06/29/2016 01:34	CH
Bromodichloromethane	BRL	5.0		ug/L	226156	1	06/29/2016 01:34	CH
Bromoform	BRL	5.0		ug/L	226156	1	06/29/2016 01:34	CH
Bromomethane	BRL	5.0		ug/L	226156	1	06/29/2016 01:34	CH
Carbon disulfide	BRL	5.0		ug/L	226156	1	06/29/2016 01:34	CH
Carbon tetrachloride	BRL	5.0		ug/L	226156	1	06/29/2016 01:34	CH
Chlorobenzene	BRL	5.0		ug/L	226156	1	06/29/2016 01:34	CH
Chloroethane	BRL	10		ug/L	226156	1	06/29/2016 01:34	CH
Chloroform	BRL	5.0		ug/L	226156	1	06/29/2016 01:34	CH
Chloromethane	BRL	10		ug/L	226156	1	06/29/2016 01:34	CH
cis-1,2-Dichloroethene	230	50		ug/L	226156	10	06/29/2016 01:59	CH
cis-1,3-Dichloropropene	BRL	5.0		ug/L	226156	1	06/29/2016 01:34	CH
Cyclohexane	BRL	5.0		ug/L	226156	1	06/29/2016 01:34	CH
Dibromochloromethane	BRL	5.0		ug/L	226156	1	06/29/2016 01:34	CH
Dichlorodifluoromethane	BRL	10		ug/L	226156	1	06/29/2016 01:34	CH
Ethylbenzene	BRL	5.0		ug/L	226156	1	06/29/2016 01:34	CH
Freon-113	BRL	10		ug/L	226156	1	06/29/2016 01:34	CH
Isopropylbenzene	BRL	5.0		ug/L	226156	1	06/29/2016 01:34	CH
m,p-Xylene	BRL	5.0		ug/L	226156	1	06/29/2016 01:34	CH
Methyl acetate	BRL	5.0		ug/L	226156	1	06/29/2016 01:34	CH
Methyl tert-butyl ether	BRL	5.0		ug/L	226156	1	06/29/2016 01:34	CH
Methylcyclohexane	BRL	5.0		ug/L	226156	1	06/29/2016 01:34	CH
Methylene chloride	BRL	10		ug/L	226156	1	06/29/2016 01:34	CH
o-Xylene	BRL	5.0		ug/L	226156	1	06/29/2016 01:34	CH

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 1-Jul-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16174-TW-1
Project Name:	LRM	**Collection Date:**	6/23/2016 5:05:00 PM
Lab ID:	1606O83-011	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	226156	1	06/29/2016 01:34	CH
Tetrachloroethene	6.4	5.0		ug/L	226156	1	06/29/2016 01:34	CH
Toluene	BRL	5.0		ug/L	226156	1	06/29/2016 01:34	CH
trans-1,2-Dichloroethene	BRL	5.0		ug/L	226156	1	06/29/2016 01:34	CH
trans-1,3-Dichloropropene	BRL	5.0		ug/L	226156	1	06/29/2016 01:34	CH
Trichloroethene	19	5.0		ug/L	226156	1	06/29/2016 01:34	CH
Trichlorofluoromethane	BRL	5.0		ug/L	226156	1	06/29/2016 01:34	CH
Vinyl chloride	2.6	2.0		ug/L	226156	1	06/29/2016 01:34	CH
Surr: 4-Bromofluorobenzene	80.5	70.7-125		%REC	226156	1	06/29/2016 01:34	CH
Surr: 4-Bromofluorobenzene	80.2	70.7-125		%REC	226156	10	06/29/2016 01:59	CH
Surr: Dibromofluoromethane	103	82.2-120		%REC	226156	1	06/29/2016 01:34	CH
Surr: Dibromofluoromethane	105	82.2-120		%REC	226156	10	06/29/2016 01:59	CH
Surr: Toluene-d8	99.1	81.8-120		%REC	226156	1	06/29/2016 01:34	CH
Surr: Toluene-d8	106	81.8-120		%REC	226156	10	06/29/2016 01:59	CH

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 1-Jul-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16174-TW-2
Project Name:	LRM	**Collection Date:**	6/23/2016 3:32:00 PM
Lab ID:	1606O83-012	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 07:27	CH
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 07:27	CH
1,1,2-Trichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 07:27	CH
1,1-Dichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 07:27	CH
1,1-Dichloroethene	BRL	5.0		ug/L	226156	1	06/28/2016 07:27	CH
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 07:27	CH
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	226156	1	06/28/2016 07:27	CH
1,2-Dibromoethane	BRL	5.0		ug/L	226156	1	06/28/2016 07:27	CH
1,2-Dichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 07:27	CH
1,2-Dichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 07:27	CH
1,2-Dichloropropane	BRL	5.0		ug/L	226156	1	06/28/2016 07:27	CH
1,3-Dichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 07:27	CH
1,4-Dichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 07:27	CH
2-Butanone	BRL	50		ug/L	226156	1	06/28/2016 07:27	CH
2-Hexanone	BRL	10		ug/L	226156	1	06/28/2016 07:27	CH
4-Methyl-2-pentanone	BRL	10		ug/L	226156	1	06/28/2016 07:27	CH
Acetone	BRL	50		ug/L	226156	1	06/28/2016 07:27	CH
Benzene	BRL	5.0		ug/L	226156	1	06/28/2016 07:27	CH
Bromodichloromethane	BRL	5.0		ug/L	226156	1	06/28/2016 07:27	CH
Bromoform	BRL	5.0		ug/L	226156	1	06/28/2016 07:27	CH
Bromomethane	BRL	5.0		ug/L	226156	1	06/28/2016 07:27	CH
Carbon disulfide	BRL	5.0		ug/L	226156	1	06/28/2016 07:27	CH
Carbon tetrachloride	BRL	5.0		ug/L	226156	1	06/28/2016 07:27	CH
Chlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 07:27	CH
Chloroethane	BRL	10		ug/L	226156	1	06/28/2016 07:27	CH
Chloroform	BRL	5.0		ug/L	226156	1	06/28/2016 07:27	CH
Chloromethane	BRL	10		ug/L	226156	1	06/28/2016 07:27	CH
cis-1,2-Dichloroethene	BRL	5.0		ug/L	226156	1	06/28/2016 07:27	CH
cis-1,3-Dichloropropene	BRL	5.0		ug/L	226156	1	06/28/2016 07:27	CH
Cyclohexane	BRL	5.0		ug/L	226156	1	06/28/2016 07:27	CH
Dibromochloromethane	BRL	5.0		ug/L	226156	1	06/28/2016 07:27	CH
Dichlorodifluoromethane	BRL	10		ug/L	226156	1	06/28/2016 07:27	CH
Ethylbenzene	BRL	5.0		ug/L	226156	1	06/28/2016 07:27	CH
Freon-113	BRL	10		ug/L	226156	1	06/28/2016 07:27	CH
Isopropylbenzene	BRL	5.0		ug/L	226156	1	06/28/2016 07:27	CH
m,p-Xylene	BRL	5.0		ug/L	226156	1	06/28/2016 07:27	CH
Methyl acetate	BRL	5.0		ug/L	226156	1	06/28/2016 07:27	CH
Methyl tert-butyl ether	BRL	5.0		ug/L	226156	1	06/28/2016 07:27	CH
Methylcyclohexane	BRL	5.0		ug/L	226156	1	06/28/2016 07:27	CH
Methylene chloride	BRL	10		ug/L	226156	1	06/28/2016 07:27	CH
o-Xylene	BRL	5.0		ug/L	226156	1	06/28/2016 07:27	CH

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 1-Jul-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16174-TW-2
Project Name:	LRM	**Collection Date:**	6/23/2016 3:32:00 PM
Lab ID:	1606O83-012	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	226156	1	06/28/2016 07:27	CH
Tetrachloroethene	BRL	5.0		ug/L	226156	1	06/28/2016 07:27	CH
Toluene	BRL	5.0		ug/L	226156	1	06/28/2016 07:27	CH
trans-1,2-Dichloroethene	BRL	5.0		ug/L	226156	1	06/28/2016 07:27	CH
trans-1,3-Dichloropropene	BRL	5.0		ug/L	226156	1	06/28/2016 07:27	CH
Trichloroethene	BRL	5.0		ug/L	226156	1	06/28/2016 07:27	CH
Trichlorofluoromethane	BRL	5.0		ug/L	226156	1	06/28/2016 07:27	CH
Vinyl chloride	BRL	2.0		ug/L	226156	1	06/28/2016 07:27	CH
Surr: 4-Bromofluorobenzene	78.6	70.7-125		%REC	226156	1	06/28/2016 07:27	CH
Surr: Dibromofluoromethane	90.4	82.2-120		%REC	226156	1	06/28/2016 07:27	CH
Surr: Toluene-d8	96.6	81.8-120		%REC	226156	1	06/28/2016 07:27	CH

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 1-Jul-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16174-TW-3
Project Name:	LRM	**Collection Date:**	6/23/2016 6:25:00 PM
Lab ID:	1606O83-013	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 07:52	CH
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 07:52	CH
1,1,2-Trichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 07:52	CH
1,1-Dichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 07:52	CH
1,1-Dichloroethene	BRL	5.0		ug/L	226156	1	06/28/2016 07:52	CH
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 07:52	CH
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	226156	1	06/28/2016 07:52	CH
1,2-Dibromoethane	BRL	5.0		ug/L	226156	1	06/28/2016 07:52	CH
1,2-Dichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 07:52	CH
1,2-Dichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 07:52	CH
1,2-Dichloropropane	BRL	5.0		ug/L	226156	1	06/28/2016 07:52	CH
1,3-Dichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 07:52	CH
1,4-Dichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 07:52	CH
2-Butanone	BRL	50		ug/L	226156	1	06/28/2016 07:52	CH
2-Hexanone	BRL	10		ug/L	226156	1	06/28/2016 07:52	CH
4-Methyl-2-pentanone	BRL	10		ug/L	226156	1	06/28/2016 07:52	CH
Acetone	BRL	50		ug/L	226156	1	06/28/2016 07:52	CH
Benzene	BRL	5.0		ug/L	226156	1	06/28/2016 07:52	CH
Bromodichloromethane	BRL	5.0		ug/L	226156	1	06/28/2016 07:52	CH
Bromoform	BRL	5.0		ug/L	226156	1	06/28/2016 07:52	CH
Bromomethane	BRL	5.0		ug/L	226156	1	06/28/2016 07:52	CH
Carbon disulfide	BRL	5.0		ug/L	226156	1	06/28/2016 07:52	CH
Carbon tetrachloride	BRL	5.0		ug/L	226156	1	06/28/2016 07:52	CH
Chlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 07:52	CH
Chloroethane	BRL	10		ug/L	226156	1	06/28/2016 07:52	CH
Chloroform	BRL	5.0		ug/L	226156	1	06/28/2016 07:52	CH
Chloromethane	BRL	10		ug/L	226156	1	06/28/2016 07:52	CH
cis-1,2-Dichloroethene	BRL	5.0		ug/L	226156	1	06/28/2016 07:52	CH
cis-1,3-Dichloropropene	BRL	5.0		ug/L	226156	1	06/28/2016 07:52	CH
Cyclohexane	BRL	5.0		ug/L	226156	1	06/28/2016 07:52	CH
Dibromochloromethane	BRL	5.0		ug/L	226156	1	06/28/2016 07:52	CH
Dichlorodifluoromethane	BRL	10		ug/L	226156	1	06/28/2016 07:52	CH
Ethylbenzene	BRL	5.0		ug/L	226156	1	06/28/2016 07:52	CH
Freon-113	BRL	10		ug/L	226156	1	06/28/2016 07:52	CH
Isopropylbenzene	BRL	5.0		ug/L	226156	1	06/28/2016 07:52	CH
m,p-Xylene	BRL	5.0		ug/L	226156	1	06/28/2016 07:52	CH
Methyl acetate	BRL	5.0		ug/L	226156	1	06/28/2016 07:52	CH
Methyl tert-butyl ether	BRL	5.0		ug/L	226156	1	06/28/2016 07:52	CH
Methylcyclohexane	BRL	5.0		ug/L	226156	1	06/28/2016 07:52	CH
Methylene chloride	BRL	10		ug/L	226156	1	06/28/2016 07:52	CH
o-Xylene	BRL	5.0		ug/L	226156	1	06/28/2016 07:52	CH

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 1-Jul-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16174-TW-3
Project Name:	LRM	**Collection Date:**	6/23/2016 6:25:00 PM
Lab ID:	1606O83-013	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	226156	1	06/28/2016 07:52	CH
Tetrachloroethene	BRL	5.0		ug/L	226156	1	06/28/2016 07:52	CH
Toluene	BRL	5.0		ug/L	226156	1	06/28/2016 07:52	CH
trans-1,2-Dichloroethene	BRL	5.0		ug/L	226156	1	06/28/2016 07:52	CH
trans-1,3-Dichloropropene	BRL	5.0		ug/L	226156	1	06/28/2016 07:52	CH
Trichloroethene	BRL	5.0		ug/L	226156	1	06/28/2016 07:52	CH
Trichlorofluoromethane	BRL	5.0		ug/L	226156	1	06/28/2016 07:52	CH
Vinyl chloride	BRL	2.0		ug/L	226156	1	06/28/2016 07:52	CH
Surr: 4-Bromofluorobenzene	79.1	70.7-125		%REC	226156	1	06/28/2016 07:52	CH
Surr: Dibromofluoromethane	103	82.2-120		%REC	226156	1	06/28/2016 07:52	CH
Surr: Toluene-d8	106	81.8-120		%REC	226156	1	06/28/2016 07:52	CH

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 1-Jul-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16174-DUP
Project Name:	LRM	**Collection Date:**	6/23/2016 12:00:00 PM
Lab ID:	1606O83-014	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 08:18	CH
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 08:18	CH
1,1,2-Trichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 08:18	CH
1,1-Dichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 08:18	CH
1,1-Dichloroethene	BRL	5.0		ug/L	226156	1	06/28/2016 08:18	CH
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 08:18	CH
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	226156	1	06/28/2016 08:18	CH
1,2-Dibromoethane	BRL	5.0		ug/L	226156	1	06/28/2016 08:18	CH
1,2-Dichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 08:18	CH
1,2-Dichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 08:18	CH
1,2-Dichloropropane	BRL	5.0		ug/L	226156	1	06/28/2016 08:18	CH
1,3-Dichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 08:18	CH
1,4-Dichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 08:18	CH
2-Butanone	BRL	50		ug/L	226156	1	06/28/2016 08:18	CH
2-Hexanone	BRL	10		ug/L	226156	1	06/28/2016 08:18	CH
4-Methyl-2-pentanone	BRL	10		ug/L	226156	1	06/28/2016 08:18	CH
Acetone	BRL	50		ug/L	226156	1	06/28/2016 08:18	CH
Benzene	BRL	5.0		ug/L	226156	1	06/28/2016 08:18	CH
Bromodichloromethane	BRL	5.0		ug/L	226156	1	06/28/2016 08:18	CH
Bromoform	BRL	5.0		ug/L	226156	1	06/28/2016 08:18	CH
Bromomethane	BRL	5.0		ug/L	226156	1	06/28/2016 08:18	CH
Carbon disulfide	BRL	5.0		ug/L	226156	1	06/28/2016 08:18	CH
Carbon tetrachloride	BRL	5.0		ug/L	226156	1	06/28/2016 08:18	CH
Chlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 08:18	CH
Chloroethane	BRL	10		ug/L	226156	1	06/28/2016 08:18	CH
Chloroform	BRL	5.0		ug/L	226156	1	06/28/2016 08:18	CH
Chloromethane	BRL	10		ug/L	226156	1	06/28/2016 08:18	CH
cis-1,2-Dichloroethene	BRL	5.0		ug/L	226156	1	06/28/2016 08:18	CH
cis-1,3-Dichloropropene	BRL	5.0		ug/L	226156	1	06/28/2016 08:18	CH
Cyclohexane	BRL	5.0		ug/L	226156	1	06/28/2016 08:18	CH
Dibromochloromethane	BRL	5.0		ug/L	226156	1	06/28/2016 08:18	CH
Dichlorodifluoromethane	BRL	10		ug/L	226156	1	06/28/2016 08:18	CH
Ethylbenzene	BRL	5.0		ug/L	226156	1	06/28/2016 08:18	CH
Freon-113	BRL	10		ug/L	226156	1	06/28/2016 08:18	CH
Isopropylbenzene	BRL	5.0		ug/L	226156	1	06/28/2016 08:18	CH
m,p-Xylene	BRL	5.0		ug/L	226156	1	06/28/2016 08:18	CH
Methyl acetate	BRL	5.0		ug/L	226156	1	06/28/2016 08:18	CH
Methyl tert-butyl ether	BRL	5.0		ug/L	226156	1	06/28/2016 08:18	CH
Methylcyclohexane	BRL	5.0		ug/L	226156	1	06/28/2016 08:18	CH
Methylene chloride	BRL	10		ug/L	226156	1	06/28/2016 08:18	CH
o-Xylene	BRL	5.0		ug/L	226156	1	06/28/2016 08:18	CH

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 1-Jul-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16174-DUP
Project Name:	LRM	**Collection Date:**	6/23/2016 12:00:00 PM
Lab ID:	1606O83-014	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	226156	1	06/28/2016 08:18	CH
Tetrachloroethene	BRL	5.0		ug/L	226156	1	06/28/2016 08:18	CH
Toluene	BRL	5.0		ug/L	226156	1	06/28/2016 08:18	CH
trans-1,2-Dichloroethene	BRL	5.0		ug/L	226156	1	06/28/2016 08:18	CH
trans-1,3-Dichloropropene	BRL	5.0		ug/L	226156	1	06/28/2016 08:18	CH
Trichloroethene	BRL	5.0		ug/L	226156	1	06/28/2016 08:18	CH
Trichlorofluoromethane	BRL	5.0		ug/L	226156	1	06/28/2016 08:18	CH
Vinyl chloride	BRL	2.0		ug/L	226156	1	06/28/2016 08:18	CH
Surr: 4-Bromofluorobenzene	78.8	70.7-125		%REC	226156	1	06/28/2016 08:18	CH
Surr: Dibromofluoromethane	101	82.2-120		%REC	226156	1	06/28/2016 08:18	CH
Surr: Toluene-d8	102	81.8-120		%REC	226156	1	06/28/2016 08:18	CH

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 1-Jul-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	TRIP BLANK
Project Name:	LRM	**Collection Date:**	6/24/2016
Lab ID:	1606O83-015	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 01:05	CH
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 01:05	CH
1,1,2-Trichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 01:05	CH
1,1-Dichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 01:05	CH
1,1-Dichloroethene	BRL	5.0		ug/L	226156	1	06/28/2016 01:05	CH
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 01:05	CH
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	226156	1	06/28/2016 01:05	CH
1,2-Dibromoethane	BRL	5.0		ug/L	226156	1	06/28/2016 01:05	CH
1,2-Dichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 01:05	CH
1,2-Dichloroethane	BRL	5.0		ug/L	226156	1	06/28/2016 01:05	CH
1,2-Dichloropropane	BRL	5.0		ug/L	226156	1	06/28/2016 01:05	CH
1,3-Dichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 01:05	CH
1,4-Dichlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 01:05	CH
2-Butanone	BRL	50		ug/L	226156	1	06/28/2016 01:05	CH
2-Hexanone	BRL	10		ug/L	226156	1	06/28/2016 01:05	CH
4-Methyl-2-pentanone	BRL	10		ug/L	226156	1	06/28/2016 01:05	CH
Acetone	BRL	50		ug/L	226156	1	06/28/2016 01:05	CH
Benzene	BRL	5.0		ug/L	226156	1	06/28/2016 01:05	CH
Bromodichloromethane	BRL	5.0		ug/L	226156	1	06/28/2016 01:05	CH
Bromoform	BRL	5.0		ug/L	226156	1	06/28/2016 01:05	CH
Bromomethane	BRL	5.0		ug/L	226156	1	06/28/2016 01:05	CH
Carbon disulfide	BRL	5.0		ug/L	226156	1	06/28/2016 01:05	CH
Carbon tetrachloride	BRL	5.0		ug/L	226156	1	06/28/2016 01:05	CH
Chlorobenzene	BRL	5.0		ug/L	226156	1	06/28/2016 01:05	CH
Chloroethane	BRL	10		ug/L	226156	1	06/28/2016 01:05	CH
Chloroform	BRL	5.0		ug/L	226156	1	06/28/2016 01:05	CH
Chloromethane	BRL	10		ug/L	226156	1	06/28/2016 01:05	CH
cis-1,2-Dichloroethene	BRL	5.0		ug/L	226156	1	06/28/2016 01:05	CH
cis-1,3-Dichloropropene	BRL	5.0		ug/L	226156	1	06/28/2016 01:05	CH
Cyclohexane	BRL	5.0		ug/L	226156	1	06/28/2016 01:05	CH
Dibromochloromethane	BRL	5.0		ug/L	226156	1	06/28/2016 01:05	CH
Dichlorodifluoromethane	BRL	10		ug/L	226156	1	06/28/2016 01:05	CH
Ethylbenzene	BRL	5.0		ug/L	226156	1	06/28/2016 01:05	CH
Freon-113	BRL	10		ug/L	226156	1	06/28/2016 01:05	CH
Isopropylbenzene	BRL	5.0		ug/L	226156	1	06/28/2016 01:05	CH
m,p-Xylene	BRL	5.0		ug/L	226156	1	06/28/2016 01:05	CH
Methyl acetate	BRL	5.0		ug/L	226156	1	06/28/2016 01:05	CH
Methyl tert-butyl ether	BRL	5.0		ug/L	226156	1	06/28/2016 01:05	CH
Methylcyclohexane	BRL	5.0		ug/L	226156	1	06/28/2016 01:05	CH
Methylene chloride	BRL	10		ug/L	226156	1	06/28/2016 01:05	CH
o-Xylene	BRL	5.0		ug/L	226156	1	06/28/2016 01:05	CH

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 1-Jul-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	TRIP BLANK
Project Name:	LRM	**Collection Date:**	6/24/2016
Lab ID:	1606O83-015	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	226156	1	06/28/2016 01:05	CH
Tetrachloroethene	BRL	5.0		ug/L	226156	1	06/28/2016 01:05	CH
Toluene	BRL	5.0		ug/L	226156	1	06/28/2016 01:05	CH
trans-1,2-Dichloroethene	BRL	5.0		ug/L	226156	1	06/28/2016 01:05	CH
trans-1,3-Dichloropropene	BRL	5.0		ug/L	226156	1	06/28/2016 01:05	CH
Trichloroethene	BRL	5.0		ug/L	226156	1	06/28/2016 01:05	CH
Trichlorofluoromethane	BRL	5.0		ug/L	226156	1	06/28/2016 01:05	CH
Vinyl chloride	BRL	2.0		ug/L	226156	1	06/28/2016 01:05	CH
Surr: 4-Bromofluorobenzene	81	70.7-125		%REC	226156	1	06/28/2016 01:05	CH
Surr: Dibromofluoromethane	102	82.2-120		%REC	226156	1	06/28/2016 01:05	CH
Surr: Toluene-d8	105	81.8-120		%REC	226156	1	06/28/2016 01:05	CH

Qualifiers:

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

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client EMS Work Order Number 1606083

Checklist completed by _____ 6/24/2016
Signature Date

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

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

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

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

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

Cooler #1 0.8°C Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

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

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

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes ✓ No __

Was TAT marked on the COC? Yes ✓ No __

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

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

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

Adjusted? _____ Checked by _____

Sample Condition: Good ✓ Other(Explain) _____

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

See Case Narrative for resolution of the Non-Conformance.

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

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

Client: Environmental Planning Specialists, Inc.
Project Name: LRM
Workorder: 1606O83

ANALYTICAL QC SUMMARY REPORT

BatchID: 226156

Sample ID: **MB-226156**	Client ID:		Units: **ug/L**	Prep Date: **06/27/2016**	Run No: **319899**
SampleType: **MBLK**	TestCode: **TCL VOLATILE ORGANICS SW8260B**		BatchID: **226156**	Analysis Date: **06/28/2016**	Seq No: **6904781**

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: Environmental Planning Specialists, Inc.
Project Name: LRM
Workorder: 1606O83

ANALYTICAL QC SUMMARY REPORT

BatchID: 226156

Sample ID: **MB-226156** Client ID: Units: **ug/L** Prep Date: **06/27/2016** Run No: **319899**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **226156** Analysis Date: **06/28/2016** Seq No: **6904781**

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	40.50	0	50.00		81.0	70.7	125				
Surr: Dibromofluoromethane	50.89	0	50.00		102	82.2	120				
Surr: Toluene-d8	51.42	0	50.00		103	81.8	120				

Qualifiers:

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

Client: Environmental Planning Specialists, Inc.
Project Name: LRM
Workorder: 1606O83

ANALYTICAL QC SUMMARY REPORT

BatchID: 226156

Sample ID: **LCS-226156** Client ID: Units: **ug/L** Prep Date: **06/27/2016** Run No: **319899**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **226156** Analysis Date: **06/27/2016** Seq No: **6904780**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	51.07	5.0	50.00		102	65.3	137				
Benzene	45.24	5.0	50.00	0.2600	90.0	74.9	123				
Chlorobenzene	48.65	5.0	50.00		97.3	73.9	124				
Toluene	48.61	5.0	50.00		97.2	75	124				
Trichloroethene	48.73	5.0	50.00		97.5	73.1	128				
Surr: 4-Bromofluorobenzene	41.70	0	50.00		83.4	70.7	125				
Surr: Dibromofluoromethane	48.09	0	50.00		96.2	82.2	120				
Surr: Toluene-d8	48.78	0	50.00		97.6	81.8	120				

Sample ID: **1606O83-004AMS** Client ID: **16174-MW-42** Units: **ug/L** Prep Date: **06/27/2016** Run No: **319899**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **226156** Analysis Date: **06/28/2016** Seq No: **6904789**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	51.41	5.0	50.00		103	60	150				
Benzene	47.74	5.0	50.00		95.5	70.1	132				
Chlorobenzene	49.95	5.0	50.00		99.9	70.9	131				
Toluene	51.72	5.0	50.00		103	70.1	133				
Trichloroethene	51.57	5.0	50.00		103	70	136				
Surr: 4-Bromofluorobenzene	40.11	0	50.00		80.2	70.7	125				
Surr: Dibromofluoromethane	49.38	0	50.00		98.8	82.2	120				
Surr: Toluene-d8	50.72	0	50.00		101	81.8	120				

Sample ID: **1606O83-004AMSD** Client ID: **16174-MW-42** Units: **ug/L** Prep Date: **06/27/2016** Run No: **319899**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **226156** Analysis Date: **06/28/2016** Seq No: **6904790**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	46.72	5.0	50.00		93.4	60	150	51.41	9.56	17.7	
Benzene	43.93	5.0	50.00		87.9	70.1	132	47.74	8.31	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: Environmental Planning Specialists, Inc.
Project Name: LRM
Workorder: 1606O83

ANALYTICAL QC SUMMARY REPORT

BatchID: 226156

Sample ID: **1606O83-004AMSD** Client ID: **16174-MW-42** Units: **ug/L** Prep Date: **06/27/2016** Run No: **319899**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **226156** Analysis Date: **06/28/2016** Seq No: **6904790**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	47.05	5.0	50.00		94.1	70.9	131	49.95	5.98	20	
Toluene	46.98	5.0	50.00		94.0	70.1	133	51.72	9.60	20	
Trichloroethene	46.96	5.0	50.00		93.9	70	136	51.57	9.36	20	
Surr: 4-Bromofluorobenzene	41.13	0	50.00		82.3	70.7	125	40.11	0	0	
Surr: Dibromofluoromethane	46.67	0	50.00		93.3	82.2	120	49.38	0	0	
Surr: Toluene-d8	47.59	0	50.00		95.2	81.8	120	50.72	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.

October 14, 2016

Timmerly Bullman
Environmental Planning Specialists, Inc.
1050 Crown Pointe Parkway
Atlanta GA 30338

TEL: (404) 315-9113
FAX: (404) 315-8509

RE: LRM

Dear Timmerly Bullman: Order No: 1610725

Analytical Environmental Services, Inc. received 11 samples on October 10, 2016 3:17 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:
-NELAC/Florida State Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, and Drinking Water Microbiology, effective 07/01/16-06/30/17.
-NELAC/Louisiana Agency Interest No. 100818 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 07/01/16-06/30/17.
-NELAC/Texas Certificate No. T104704509-16-6 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 03/01/16-02/28/17.
-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 09/01/17.

Chris Pafford
Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC

3080 Presidential Drive, Atlanta GA 30340-3704

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

CHAIN OF CUSTODY

Work Order: 1610725

Date: 10-7-16 Page 1 of 1

COMPANY: EPS

ADDRESS: 1050 Crownpointe Pkwy Ste 550

PHONE: 404-315-9113

FAX:

SAMPLED BY: Joe Terry, Melissa Spitzmiller

SIGNATURE: Joe Terry Melissa Spitzmiller

ANALYSIS REQUESTED: VOCs 8260

PRESERVATION (See codes): HCl

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

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	PRESERVATION (See codes)	REMARKS	No # of Containers
1	16281-MW-49	10-7-16	1050	X		GW	X		2
2	16281-MW-50	10-7-16	1002						2
3	~~16278~~ 16281-MW-51	10-7-16	1135						2
4	16281-Dup	10-7-16	1200						2
5	16280-MW-52	10-6-16	1615						2
6	16280-MW-53	10-6-16	1633						2
7	16281-MW-54	10-7-16	1415						2
8	16281-MW-55	10-7-16	1550						2
9	16281-MW-56	10-7-16	1625						2
10	16281-MW-57	10-7-16	1710			GW			2
11	16281-Trip Blank	10-7-16	—	X		W	X		2
12									
13									
14									

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: Melissa Spitzmiller	10/10/16 1:45pm	1: Fy	Oct-10-16 1:45
2: Fy Oct-10-16	3:17	2: Jamin Shilly	10/10/16 3:17 pm
3:		3:	

PROJECT INFORMATION

PROJECT NAME: LRM

PROJECT #:

SITE ADDRESS:

SEND REPORT TO:

INVOICE TO: (IF DIFFERENT FROM ABOVE)

QUOTE #: PO#:

RECEIPT

Total # of Containers: 22

MS Turnaround Time Request

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

STATE PROGRAM (if any):

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

DATA PACKAGE: I II III IV

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD

OUT / / VIA:

IN / / VIA:

CLIENT FedEx UPS MAIL (COURIER)

GREYHOUND OTHER

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

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

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

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc

Date: 12-Oct-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16281-MW-49
Project Name:	LRM	**Collection Date:**	10/7/2016 10:50:00 AM
Lab ID:	1610725-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	230885	1	10/12/2016 10:50	NH
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	230885	1	10/12/2016 10:50	NH
1,1,2-Trichloroethane	BRL	5.0		ug/L	230885	1	10/12/2016 10:50	NH
1,1-Dichloroethane	BRL	5.0		ug/L	230885	1	10/12/2016 10:50	NH
1,1-Dichloroethene	BRL	5.0		ug/L	230885	1	10/12/2016 10:50	NH
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	230885	1	10/12/2016 10:50	NH
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	230885	1	10/12/2016 10:50	NH
1,2-Dibromoethane	BRL	5.0		ug/L	230885	1	10/12/2016 10:50	NH
1,2-Dichlorobenzene	BRL	5.0		ug/L	230885	1	10/12/2016 10:50	NH
1,2-Dichloroethane	BRL	5.0		ug/L	230885	1	10/12/2016 10:50	NH
1,2-Dichloropropane	BRL	5.0		ug/L	230885	1	10/12/2016 10:50	NH
1,3-Dichlorobenzene	BRL	5.0		ug/L	230885	1	10/12/2016 10:50	NH
1,4-Dichlorobenzene	BRL	5.0		ug/L	230885	1	10/12/2016 10:50	NH
2-Butanone	BRL	50		ug/L	230885	1	10/12/2016 10:50	NH
2-Hexanone	BRL	10		ug/L	230885	1	10/12/2016 10:50	NH
4-Methyl-2-pentanone	BRL	10		ug/L	230885	1	10/12/2016 10:50	NH
Acetone	BRL	50		ug/L	230885	1	10/12/2016 10:50	NH
Benzene	BRL	5.0		ug/L	230885	1	10/12/2016 10:50	NH
Bromodichloromethane	BRL	5.0		ug/L	230885	1	10/12/2016 10:50	NH
Bromoform	BRL	5.0		ug/L	230885	1	10/12/2016 10:50	NH
Bromomethane	BRL	5.0		ug/L	230885	1	10/12/2016 10:50	NH
Carbon disulfide	BRL	5.0		ug/L	230885	1	10/12/2016 10:50	NH
Carbon tetrachloride	BRL	5.0		ug/L	230885	1	10/12/2016 10:50	NH
Chlorobenzene	BRL	5.0		ug/L	230885	1	10/12/2016 10:50	NH
Chloroethane	BRL	10		ug/L	230885	1	10/12/2016 10:50	NH
Chloroform	14	5.0		ug/L	230885	1	10/12/2016 10:50	NH
Chloromethane	BRL	10		ug/L	230885	1	10/12/2016 10:50	NH
cis-1,2-Dichloroethene	BRL	5.0		ug/L	230885	1	10/12/2016 10:50	NH
cis-1,3-Dichloropropene	BRL	5.0		ug/L	230885	1	10/12/2016 10:50	NH
Cyclohexane	BRL	5.0		ug/L	230885	1	10/12/2016 10:50	NH
Dibromochloromethane	BRL	5.0		ug/L	230885	1	10/12/2016 10:50	NH
Dichlorodifluoromethane	BRL	10		ug/L	230885	1	10/12/2016 10:50	NH
Ethylbenzene	BRL	5.0		ug/L	230885	1	10/12/2016 10:50	NH
Freon-113	BRL	10		ug/L	230885	1	10/12/2016 10:50	NH
Isopropylbenzene	BRL	5.0		ug/L	230885	1	10/12/2016 10:50	NH
m,p-Xylene	BRL	5.0		ug/L	230885	1	10/12/2016 10:50	NH
Methyl acetate	BRL	5.0		ug/L	230885	1	10/12/2016 10:50	NH
Methyl tert-butyl ether	BRL	5.0		ug/L	230885	1	10/12/2016 10:50	NH
Methylcyclohexane	BRL	5.0		ug/L	230885	1	10/12/2016 10:50	NH
Methylene chloride	BRL	5.0		ug/L	230885	1	10/12/2016 10:50	NH
o-Xylene	BRL	5.0		ug/L	230885	1	10/12/2016 10:50	NH

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:** 12-Oct-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16281-MW-49
Project Name:	LRM	**Collection Date:**	10/7/2016 10:50:00 AM
Lab ID:	1610725-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	230885	1	10/12/2016 10:50	NH
Tetrachloroethene	BRL	5.0		ug/L	230885	1	10/12/2016 10:50	NH
Toluene	BRL	5.0		ug/L	230885	1	10/12/2016 10:50	NH
trans-1,2-Dichloroethene	BRL	5.0		ug/L	230885	1	10/12/2016 10:50	NH
trans-1,3-Dichloropropene	BRL	5.0		ug/L	230885	1	10/12/2016 10:50	NH
Trichloroethene	BRL	5.0		ug/L	230885	1	10/12/2016 10:50	NH
Trichlorofluoromethane	BRL	5.0		ug/L	230885	1	10/12/2016 10:50	NH
Vinyl chloride	BRL	2.0		ug/L	230885	1	10/12/2016 10:50	NH
Surr: 4-Bromofluorobenzene	94.5	70.7-125		%REC	230885	1	10/12/2016 10:50	NH
Surr: Dibromofluoromethane	99.6	82.2-120		%REC	230885	1	10/12/2016 10:50	NH
Surr: Toluene-d8	95.1	81.8-120		%REC	230885	1	10/12/2016 10:50	NH

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:** 12-Oct-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16281-MW-50
Project Name:	LRM	**Collection Date:**	10/7/2016 10:02:00 AM
Lab ID:	1610725-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	230885	1	10/12/2016 02:34	AR
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	230885	1	10/12/2016 02:34	AR
1,1,2-Trichloroethane	BRL	5.0		ug/L	230885	1	10/12/2016 02:34	AR
1,1-Dichloroethane	BRL	5.0		ug/L	230885	1	10/12/2016 02:34	AR
1,1-Dichloroethene	BRL	5.0		ug/L	230885	1	10/12/2016 02:34	AR
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	230885	1	10/12/2016 02:34	AR
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	230885	1	10/12/2016 02:34	AR
1,2-Dibromoethane	BRL	5.0		ug/L	230885	1	10/12/2016 02:34	AR
1,2-Dichlorobenzene	BRL	5.0		ug/L	230885	1	10/12/2016 02:34	AR
1,2-Dichloroethane	BRL	5.0		ug/L	230885	1	10/12/2016 02:34	AR
1,2-Dichloropropane	BRL	5.0		ug/L	230885	1	10/12/2016 02:34	AR
1,3-Dichlorobenzene	BRL	5.0		ug/L	230885	1	10/12/2016 02:34	AR
1,4-Dichlorobenzene	BRL	5.0		ug/L	230885	1	10/12/2016 02:34	AR
2-Butanone	BRL	50		ug/L	230885	1	10/12/2016 02:34	AR
2-Hexanone	BRL	10		ug/L	230885	1	10/12/2016 02:34	AR
4-Methyl-2-pentanone	BRL	10		ug/L	230885	1	10/12/2016 02:34	AR
Acetone	BRL	50		ug/L	230885	1	10/12/2016 02:34	AR
Benzene	BRL	5.0		ug/L	230885	1	10/12/2016 02:34	AR
Bromodichloromethane	BRL	5.0		ug/L	230885	1	10/12/2016 02:34	AR
Bromoform	BRL	5.0		ug/L	230885	1	10/12/2016 02:34	AR
Bromomethane	BRL	5.0		ug/L	230885	1	10/12/2016 02:34	AR
Carbon disulfide	BRL	5.0		ug/L	230885	1	10/12/2016 02:34	AR
Carbon tetrachloride	BRL	5.0		ug/L	230885	1	10/12/2016 02:34	AR
Chlorobenzene	BRL	5.0		ug/L	230885	1	10/12/2016 02:34	AR
Chloroethane	BRL	10		ug/L	230885	1	10/12/2016 02:34	AR
Chloroform	BRL	5.0		ug/L	230885	1	10/12/2016 02:34	AR
Chloromethane	BRL	10		ug/L	230885	1	10/12/2016 02:34	AR
cis-1,2-Dichloroethene	BRL	5.0		ug/L	230885	1	10/12/2016 02:34	AR
cis-1,3-Dichloropropene	BRL	5.0		ug/L	230885	1	10/12/2016 02:34	AR
Cyclohexane	BRL	5.0		ug/L	230885	1	10/12/2016 02:34	AR
Dibromochloromethane	BRL	5.0		ug/L	230885	1	10/12/2016 02:34	AR
Dichlorodifluoromethane	BRL	10		ug/L	230885	1	10/12/2016 02:34	AR
Ethylbenzene	BRL	5.0		ug/L	230885	1	10/12/2016 02:34	AR
Freon-113	BRL	10		ug/L	230885	1	10/12/2016 02:34	AR
Isopropylbenzene	BRL	5.0		ug/L	230885	1	10/12/2016 02:34	AR
m,p-Xylene	BRL	5.0		ug/L	230885	1	10/12/2016 02:34	AR
Methyl acetate	BRL	5.0		ug/L	230885	1	10/12/2016 02:34	AR
Methyl tert-butyl ether	BRL	5.0		ug/L	230885	1	10/12/2016 02:34	AR
Methylcyclohexane	BRL	5.0		ug/L	230885	1	10/12/2016 02:34	AR
Methylene chloride	BRL	5.0		ug/L	230885	1	10/12/2016 02:34	AR
o-Xylene	BRL	5.0		ug/L	230885	1	10/12/2016 02:34	AR

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 12-Oct-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16281-MW-50
Project Name:	LRM	**Collection Date:**	10/7/2016 10:02:00 AM
Lab ID:	1610725-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	230885	1	10/12/2016 02:34	AR
Tetrachloroethene	BRL	5.0		ug/L	230885	1	10/12/2016 02:34	AR
Toluene	BRL	5.0		ug/L	230885	1	10/12/2016 02:34	AR
trans-1,2-Dichloroethene	BRL	5.0		ug/L	230885	1	10/12/2016 02:34	AR
trans-1,3-Dichloropropene	BRL	5.0		ug/L	230885	1	10/12/2016 02:34	AR
Trichloroethene	BRL	5.0		ug/L	230885	1	10/12/2016 02:34	AR
Trichlorofluoromethane	BRL	5.0		ug/L	230885	1	10/12/2016 02:34	AR
Vinyl chloride	BRL	2.0		ug/L	230885	1	10/12/2016 02:34	AR
Surr: 4-Bromofluorobenzene	90.5	70.7-125		%REC	230885	1	10/12/2016 02:34	AR
Surr: Dibromofluoromethane	112	82.2-120		%REC	230885	1	10/12/2016 02:34	AR
Surr: Toluene-d8	100	81.8-120		%REC	230885	1	10/12/2016 02:34	AR

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:** 12-Oct-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16281-MW-51
Project Name:	LRM	**Collection Date:**	10/7/2016 11:35:00 AM
Lab ID:	1610725-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	230885	1	10/11/2016 17:23	BN
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	230885	1	10/11/2016 17:23	BN
1,1,2-Trichloroethane	BRL	5.0		ug/L	230885	1	10/11/2016 17:23	BN
1,1-Dichloroethane	BRL	5.0		ug/L	230885	1	10/11/2016 17:23	BN
1,1-Dichloroethene	BRL	5.0		ug/L	230885	1	10/11/2016 17:23	BN
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	230885	1	10/11/2016 17:23	BN
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	230885	1	10/11/2016 17:23	BN
1,2-Dibromoethane	BRL	5.0		ug/L	230885	1	10/11/2016 17:23	BN
1,2-Dichlorobenzene	BRL	5.0		ug/L	230885	1	10/11/2016 17:23	BN
1,2-Dichloroethane	BRL	5.0		ug/L	230885	1	10/11/2016 17:23	BN
1,2-Dichloropropane	BRL	5.0		ug/L	230885	1	10/11/2016 17:23	BN
1,3-Dichlorobenzene	BRL	5.0		ug/L	230885	1	10/11/2016 17:23	BN
1,4-Dichlorobenzene	BRL	5.0		ug/L	230885	1	10/11/2016 17:23	BN
2-Butanone	BRL	50		ug/L	230885	1	10/11/2016 17:23	BN
2-Hexanone	BRL	10		ug/L	230885	1	10/11/2016 17:23	BN
4-Methyl-2-pentanone	BRL	10		ug/L	230885	1	10/11/2016 17:23	BN
Acetone	BRL	50		ug/L	230885	1	10/11/2016 17:23	BN
Benzene	31	5.0		ug/L	230885	1	10/11/2016 17:23	BN
Bromodichloromethane	BRL	5.0		ug/L	230885	1	10/11/2016 17:23	BN
Bromoform	BRL	5.0		ug/L	230885	1	10/11/2016 17:23	BN
Bromomethane	BRL	5.0		ug/L	230885	1	10/11/2016 17:23	BN
Carbon disulfide	BRL	5.0		ug/L	230885	1	10/11/2016 17:23	BN
Carbon tetrachloride	BRL	5.0		ug/L	230885	1	10/11/2016 17:23	BN
Chlorobenzene	BRL	5.0		ug/L	230885	1	10/11/2016 17:23	BN
Chloroethane	BRL	10		ug/L	230885	1	10/11/2016 17:23	BN
Chloroform	5.6	5.0		ug/L	230885	1	10/11/2016 17:23	BN
Chloromethane	BRL	10		ug/L	230885	1	10/11/2016 17:23	BN
cis-1,2-Dichloroethene	900	500		ug/L	230885	100	10/11/2016 16:54	BN
cis-1,3-Dichloropropene	BRL	5.0		ug/L	230885	1	10/11/2016 17:23	BN
Cyclohexane	BRL	5.0		ug/L	230885	1	10/11/2016 17:23	BN
Dibromochloromethane	BRL	5.0		ug/L	230885	1	10/11/2016 17:23	BN
Dichlorodifluoromethane	BRL	10		ug/L	230885	1	10/11/2016 17:23	BN
Ethylbenzene	BRL	5.0		ug/L	230885	1	10/11/2016 17:23	BN
Freon-113	BRL	10		ug/L	230885	1	10/11/2016 17:23	BN
Isopropylbenzene	BRL	5.0		ug/L	230885	1	10/11/2016 17:23	BN
m,p-Xylene	BRL	5.0		ug/L	230885	1	10/11/2016 17:23	BN
Methyl acetate	BRL	5.0		ug/L	230885	1	10/11/2016 17:23	BN
Methyl tert-butyl ether	BRL	5.0		ug/L	230885	1	10/11/2016 17:23	BN
Methylcyclohexane	BRL	5.0		ug/L	230885	1	10/11/2016 17:23	BN
Methylene chloride	BRL	5.0		ug/L	230885	1	10/11/2016 17:23	BN
o-Xylene	BRL	5.0		ug/L	230885	1	10/11/2016 17:23	BN

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:** 12-Oct-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16281-MW-51
Project Name:	LRM	**Collection Date:**	10/7/2016 11:35:00 AM
Lab ID:	1610725-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	230885	1	10/11/2016 17:23	BN
Tetrachloroethene	52	5.0		ug/L	230885	1	10/11/2016 17:23	BN
Toluene	BRL	5.0		ug/L	230885	1	10/11/2016 17:23	BN
trans-1,2-Dichloroethene	BRL	5.0		ug/L	230885	1	10/11/2016 17:23	BN
trans-1,3-Dichloropropene	BRL	5.0		ug/L	230885	1	10/11/2016 17:23	BN
Trichloroethene	330	300		ug/L	230885	100	10/11/2016 16:54	BN
Trichlorofluoromethane	BRL	5.0		ug/L	230885	1	10/11/2016 17:23	BN
Vinyl chloride	5.7	2.0		ug/L	230885	1	10/11/2016 17:23	BN
Surr: 4-Bromofluorobenzene	90	70.7-125		%REC	230885	1	10/11/2016 17:23	BN
Surr: 4-Bromofluorobenzene	94.6	70.7-125		%REC	230885	100	10/11/2016 16:54	BN
Surr: Dibromofluoromethane	100	82.2-120		%REC	230885	1	10/11/2016 17:23	BN
Surr: Dibromofluoromethane	103	82.2-120		%REC	230885	100	10/11/2016 16:54	BN
Surr: Toluene-d8	97	81.8-120		%REC	230885	1	10/11/2016 17:23	BN
Surr: Toluene-d8	97.2	81.8-120		%REC	230885	100	10/11/2016 16:54	BN

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:** 12-Oct-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16281-DUP
Project Name:	LRM	**Collection Date:**	10/7/2016 12:00:00 PM
Lab ID:	1610725-004	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	230885	1	10/12/2016 03:32	AR
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	230885	1	10/12/2016 03:32	AR
1,1,2-Trichloroethane	BRL	5.0		ug/L	230885	1	10/12/2016 03:32	AR
1,1-Dichloroethane	BRL	5.0		ug/L	230885	1	10/12/2016 03:32	AR
1,1-Dichloroethene	BRL	5.0		ug/L	230885	1	10/12/2016 03:32	AR
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	230885	1	10/12/2016 03:32	AR
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	230885	1	10/12/2016 03:32	AR
1,2-Dibromoethane	BRL	5.0		ug/L	230885	1	10/12/2016 03:32	AR
1,2-Dichlorobenzene	BRL	5.0		ug/L	230885	1	10/12/2016 03:32	AR
1,2-Dichloroethane	BRL	5.0		ug/L	230885	1	10/12/2016 03:32	AR
1,2-Dichloropropane	BRL	5.0		ug/L	230885	1	10/12/2016 03:32	AR
1,3-Dichlorobenzene	BRL	5.0		ug/L	230885	1	10/12/2016 03:32	AR
1,4-Dichlorobenzene	BRL	5.0		ug/L	230885	1	10/12/2016 03:32	AR
2-Butanone	BRL	50		ug/L	230885	1	10/12/2016 03:32	AR
2-Hexanone	BRL	10		ug/L	230885	1	10/12/2016 03:32	AR
4-Methyl-2-pentanone	BRL	10		ug/L	230885	1	10/12/2016 03:32	AR
Acetone	BRL	50		ug/L	230885	1	10/12/2016 03:32	AR
Benzene	37	5.0		ug/L	230885	1	10/12/2016 03:32	AR
Bromodichloromethane	BRL	5.0		ug/L	230885	1	10/12/2016 03:32	AR
Bromoform	BRL	5.0		ug/L	230885	1	10/12/2016 03:32	AR
Bromomethane	BRL	5.0		ug/L	230885	1	10/12/2016 03:32	AR
Carbon disulfide	BRL	5.0		ug/L	230885	1	10/12/2016 03:32	AR
Carbon tetrachloride	BRL	5.0		ug/L	230885	1	10/12/2016 03:32	AR
Chlorobenzene	BRL	5.0		ug/L	230885	1	10/12/2016 03:32	AR
Chloroethane	BRL	10		ug/L	230885	1	10/12/2016 03:32	AR
Chloroform	6.3	5.0		ug/L	230885	1	10/12/2016 03:32	AR
Chloromethane	BRL	10		ug/L	230885	1	10/12/2016 03:32	AR
cis-1,2-Dichloroethene	900	250		ug/L	230885	50	10/11/2016 20:01	BN
cis-1,3-Dichloropropene	BRL	5.0		ug/L	230885	1	10/12/2016 03:32	AR
Cyclohexane	BRL	5.0		ug/L	230885	1	10/12/2016 03:32	AR
Dibromochloromethane	BRL	5.0		ug/L	230885	1	10/12/2016 03:32	AR
Dichlorodifluoromethane	BRL	10		ug/L	230885	1	10/12/2016 03:32	AR
Ethylbenzene	BRL	5.0		ug/L	230885	1	10/12/2016 03:32	AR
Freon-113	BRL	10		ug/L	230885	1	10/12/2016 03:32	AR
Isopropylbenzene	BRL	5.0		ug/L	230885	1	10/12/2016 03:32	AR
m,p-Xylene	BRL	5.0		ug/L	230885	1	10/12/2016 03:32	AR
Methyl acetate	BRL	5.0		ug/L	230885	1	10/12/2016 03:32	AR
Methyl tert-butyl ether	BRL	5.0		ug/L	230885	1	10/12/2016 03:32	AR
Methylcyclohexane	BRL	5.0		ug/L	230885	1	10/12/2016 03:32	AR
Methylene chloride	BRL	5.0		ug/L	230885	1	10/12/2016 03:32	AR
o-Xylene	BRL	5.0		ug/L	230885	1	10/12/2016 03:32	AR

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 12-Oct-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16281-DUP
Project Name:	LRM	**Collection Date:**	10/7/2016 12:00:00 PM
Lab ID:	1610725-004	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	230885	1	10/12/2016 03:32	AR
Tetrachloroethene	57	5.0		ug/L	230885	1	10/12/2016 03:32	AR
Toluene	BRL	5.0		ug/L	230885	1	10/12/2016 03:32	AR
trans-1,2-Dichloroethene	BRL	5.0		ug/L	230885	1	10/12/2016 03:32	AR
trans-1,3-Dichloropropene	BRL	5.0		ug/L	230885	1	10/12/2016 03:32	AR
Trichloroethene	320	250		ug/L	230885	50	10/11/2016 20:01	BN
Trichlorofluoromethane	BRL	5.0		ug/L	230885	1	10/12/2016 03:32	AR
Vinyl chloride	6.8	2.0		ug/L	230885	1	10/12/2016 03:32	AR
Surr: 4-Bromofluorobenzene	89.7	70.7-125		%REC	230885	50	10/11/2016 20:01	BN
Surr: 4-Bromofluorobenzene	95.3	70.7-125		%REC	230885	1	10/12/2016 03:32	AR
Surr: Dibromofluoromethane	102	82.2-120		%REC	230885	50	10/11/2016 20:01	BN
Surr: Dibromofluoromethane	107	82.2-120		%REC	230885	1	10/12/2016 03:32	AR
Surr: Toluene-d8	97.4	81.8-120		%REC	230885	50	10/11/2016 20:01	BN
Surr: Toluene-d8	99.8	81.8-120		%REC	230885	1	10/12/2016 03:32	AR

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:** 12-Oct-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16280-MW-52
Project Name:	LRM	**Collection Date:**	10/7/2016 4:15:00 PM
Lab ID:	1610725-005	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	230885	1	10/12/2016 03:03	AR
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	230885	1	10/12/2016 03:03	AR
1,1,2-Trichloroethane	BRL	5.0		ug/L	230885	1	10/12/2016 03:03	AR
1,1-Dichloroethane	BRL	5.0		ug/L	230885	1	10/12/2016 03:03	AR
1,1-Dichloroethene	BRL	5.0		ug/L	230885	1	10/12/2016 03:03	AR
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	230885	1	10/12/2016 03:03	AR
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	230885	1	10/12/2016 03:03	AR
1,2-Dibromoethane	BRL	5.0		ug/L	230885	1	10/12/2016 03:03	AR
1,2-Dichlorobenzene	BRL	5.0		ug/L	230885	1	10/12/2016 03:03	AR
1,2-Dichloroethane	BRL	5.0		ug/L	230885	1	10/12/2016 03:03	AR
1,2-Dichloropropane	BRL	5.0		ug/L	230885	1	10/12/2016 03:03	AR
1,3-Dichlorobenzene	BRL	5.0		ug/L	230885	1	10/12/2016 03:03	AR
1,4-Dichlorobenzene	BRL	5.0		ug/L	230885	1	10/12/2016 03:03	AR
2-Butanone	BRL	50		ug/L	230885	1	10/12/2016 03:03	AR
2-Hexanone	BRL	10		ug/L	230885	1	10/12/2016 03:03	AR
4-Methyl-2-pentanone	BRL	10		ug/L	230885	1	10/12/2016 03:03	AR
Acetone	BRL	50		ug/L	230885	1	10/12/2016 03:03	AR
Benzene	BRL	5.0		ug/L	230885	1	10/12/2016 03:03	AR
Bromodichloromethane	BRL	5.0		ug/L	230885	1	10/12/2016 03:03	AR
Bromoform	BRL	5.0		ug/L	230885	1	10/12/2016 03:03	AR
Bromomethane	BRL	5.0		ug/L	230885	1	10/12/2016 03:03	AR
Carbon disulfide	BRL	5.0		ug/L	230885	1	10/12/2016 03:03	AR
Carbon tetrachloride	BRL	5.0		ug/L	230885	1	10/12/2016 03:03	AR
Chlorobenzene	BRL	5.0		ug/L	230885	1	10/12/2016 03:03	AR
Chloroethane	BRL	10		ug/L	230885	1	10/12/2016 03:03	AR
Chloroform	8.1	5.0		ug/L	230885	1	10/12/2016 03:03	AR
Chloromethane	BRL	10		ug/L	230885	1	10/12/2016 03:03	AR
cis-1,2-Dichloroethene	BRL	5.0		ug/L	230885	1	10/12/2016 03:03	AR
cis-1,3-Dichloropropene	BRL	5.0		ug/L	230885	1	10/12/2016 03:03	AR
Cyclohexane	BRL	5.0		ug/L	230885	1	10/12/2016 03:03	AR
Dibromochloromethane	BRL	5.0		ug/L	230885	1	10/12/2016 03:03	AR
Dichlorodifluoromethane	BRL	10		ug/L	230885	1	10/12/2016 03:03	AR
Ethylbenzene	BRL	5.0		ug/L	230885	1	10/12/2016 03:03	AR
Freon-113	BRL	10		ug/L	230885	1	10/12/2016 03:03	AR
Isopropylbenzene	BRL	5.0		ug/L	230885	1	10/12/2016 03:03	AR
m,p-Xylene	BRL	5.0		ug/L	230885	1	10/12/2016 03:03	AR
Methyl acetate	BRL	5.0		ug/L	230885	1	10/12/2016 03:03	AR
Methyl tert-butyl ether	BRL	5.0		ug/L	230885	1	10/12/2016 03:03	AR
Methylcyclohexane	BRL	5.0		ug/L	230885	1	10/12/2016 03:03	AR
Methylene chloride	BRL	5.0		ug/L	230885	1	10/12/2016 03:03	AR
o-Xylene	BRL	5.0		ug/L	230885	1	10/12/2016 03:03	AR

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 12-Oct-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16280-MW-52
Project Name:	LRM	**Collection Date:**	10/7/2016 4:15:00 PM
Lab ID:	1610725-005	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	230885	1	10/12/2016 03:03	AR
Tetrachloroethene	BRL	5.0		ug/L	230885	1	10/12/2016 03:03	AR
Toluene	BRL	5.0		ug/L	230885	1	10/12/2016 03:03	AR
trans-1,2-Dichloroethene	BRL	5.0		ug/L	230885	1	10/12/2016 03:03	AR
trans-1,3-Dichloropropene	BRL	5.0		ug/L	230885	1	10/12/2016 03:03	AR
Trichloroethene	BRL	5.0		ug/L	230885	1	10/12/2016 03:03	AR
Trichlorofluoromethane	BRL	5.0		ug/L	230885	1	10/12/2016 03:03	AR
Vinyl chloride	BRL	2.0		ug/L	230885	1	10/12/2016 03:03	AR
Surr: 4-Bromofluorobenzene	96	70.7-125		%REC	230885	1	10/12/2016 03:03	AR
Surr: Dibromofluoromethane	111	82.2-120		%REC	230885	1	10/12/2016 03:03	AR
Surr: Toluene-d8	105	81.8-120		%REC	230885	1	10/12/2016 03:03	AR

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:** 12-Oct-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16280-MW-53
Project Name:	LRM	**Collection Date:**	10/7/2016 4:33:00 PM
Lab ID:	1610725-006	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	230885	1	10/12/2016 04:00	AR
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	230885	1	10/12/2016 04:00	AR
1,1,2-Trichloroethane	BRL	5.0		ug/L	230885	1	10/12/2016 04:00	AR
1,1-Dichloroethane	BRL	5.0		ug/L	230885	1	10/12/2016 04:00	AR
1,1-Dichloroethene	BRL	5.0		ug/L	230885	1	10/12/2016 04:00	AR
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	230885	1	10/12/2016 04:00	AR
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	230885	1	10/12/2016 04:00	AR
1,2-Dibromoethane	BRL	5.0		ug/L	230885	1	10/12/2016 04:00	AR
1,2-Dichlorobenzene	BRL	5.0		ug/L	230885	1	10/12/2016 04:00	AR
1,2-Dichloroethane	BRL	5.0		ug/L	230885	1	10/12/2016 04:00	AR
1,2-Dichloropropane	BRL	5.0		ug/L	230885	1	10/12/2016 04:00	AR
1,3-Dichlorobenzene	BRL	5.0		ug/L	230885	1	10/12/2016 04:00	AR
1,4-Dichlorobenzene	BRL	5.0		ug/L	230885	1	10/12/2016 04:00	AR
2-Butanone	BRL	50		ug/L	230885	1	10/12/2016 04:00	AR
2-Hexanone	BRL	10		ug/L	230885	1	10/12/2016 04:00	AR
4-Methyl-2-pentanone	BRL	10		ug/L	230885	1	10/12/2016 04:00	AR
Acetone	BRL	50		ug/L	230885	1	10/12/2016 04:00	AR
Benzene	BRL	5.0		ug/L	230885	1	10/12/2016 04:00	AR
Bromodichloromethane	BRL	5.0		ug/L	230885	1	10/12/2016 04:00	AR
Bromoform	BRL	5.0		ug/L	230885	1	10/12/2016 04:00	AR
Bromomethane	BRL	5.0		ug/L	230885	1	10/12/2016 04:00	AR
Carbon disulfide	BRL	5.0		ug/L	230885	1	10/12/2016 04:00	AR
Carbon tetrachloride	BRL	5.0		ug/L	230885	1	10/12/2016 04:00	AR
Chlorobenzene	BRL	5.0		ug/L	230885	1	10/12/2016 04:00	AR
Chloroethane	BRL	10		ug/L	230885	1	10/12/2016 04:00	AR
Chloroform	BRL	5.0		ug/L	230885	1	10/12/2016 04:00	AR
Chloromethane	BRL	10		ug/L	230885	1	10/12/2016 04:00	AR
cis-1,2-Dichloroethene	BRL	5.0		ug/L	230885	1	10/12/2016 04:00	AR
cis-1,3-Dichloropropene	BRL	5.0		ug/L	230885	1	10/12/2016 04:00	AR
Cyclohexane	BRL	5.0		ug/L	230885	1	10/12/2016 04:00	AR
Dibromochloromethane	BRL	5.0		ug/L	230885	1	10/12/2016 04:00	AR
Dichlorodifluoromethane	BRL	10		ug/L	230885	1	10/12/2016 04:00	AR
Ethylbenzene	BRL	5.0		ug/L	230885	1	10/12/2016 04:00	AR
Freon-113	BRL	10		ug/L	230885	1	10/12/2016 04:00	AR
Isopropylbenzene	BRL	5.0		ug/L	230885	1	10/12/2016 04:00	AR
m,p-Xylene	BRL	5.0		ug/L	230885	1	10/12/2016 04:00	AR
Methyl acetate	BRL	5.0		ug/L	230885	1	10/12/2016 04:00	AR
Methyl tert-butyl ether	BRL	5.0		ug/L	230885	1	10/12/2016 04:00	AR
Methylcyclohexane	BRL	5.0		ug/L	230885	1	10/12/2016 04:00	AR
Methylene chloride	BRL	5.0		ug/L	230885	1	10/12/2016 04:00	AR
o-Xylene	BRL	5.0		ug/L	230885	1	10/12/2016 04:00	AR

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 12-Oct-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16280-MW-53
Project Name:	LRM	**Collection Date:**	10/7/2016 4:33:00 PM
Lab ID:	1610725-006	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	230885	1	10/12/2016 04:00	AR
Tetrachloroethene	BRL	5.0		ug/L	230885	1	10/12/2016 04:00	AR
Toluene	BRL	5.0		ug/L	230885	1	10/12/2016 04:00	AR
trans-1,2-Dichloroethene	BRL	5.0		ug/L	230885	1	10/12/2016 04:00	AR
trans-1,3-Dichloropropene	BRL	5.0		ug/L	230885	1	10/12/2016 04:00	AR
Trichloroethene	BRL	5.0		ug/L	230885	1	10/12/2016 04:00	AR
Trichlorofluoromethane	BRL	5.0		ug/L	230885	1	10/12/2016 04:00	AR
Vinyl chloride	BRL	2.0		ug/L	230885	1	10/12/2016 04:00	AR
Surr: 4-Bromofluorobenzene	91.8	70.7-125		%REC	230885	1	10/12/2016 04:00	AR
Surr: Dibromofluoromethane	114	82.2-120		%REC	230885	1	10/12/2016 04:00	AR
Surr: Toluene-d8	105	81.8-120		%REC	230885	1	10/12/2016 04:00	AR

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:** 12-Oct-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16281-MW-54
Project Name:	LRM	**Collection Date:**	10/7/2016 2:15:00 PM
Lab ID:	1610725-007	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	230885	1	10/12/2016 01:36	AR
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	230885	1	10/12/2016 01:36	AR
1,1,2-Trichloroethane	BRL	5.0		ug/L	230885	1	10/12/2016 01:36	AR
1,1-Dichloroethane	BRL	5.0		ug/L	230885	1	10/12/2016 01:36	AR
1,1-Dichloroethene	BRL	5.0		ug/L	230885	1	10/12/2016 01:36	AR
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	230885	1	10/12/2016 01:36	AR
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	230885	1	10/12/2016 01:36	AR
1,2-Dibromoethane	BRL	5.0		ug/L	230885	1	10/12/2016 01:36	AR
1,2-Dichlorobenzene	BRL	5.0		ug/L	230885	1	10/12/2016 01:36	AR
1,2-Dichloroethane	BRL	5.0		ug/L	230885	1	10/12/2016 01:36	AR
1,2-Dichloropropane	BRL	5.0		ug/L	230885	1	10/12/2016 01:36	AR
1,3-Dichlorobenzene	BRL	5.0		ug/L	230885	1	10/12/2016 01:36	AR
1,4-Dichlorobenzene	BRL	5.0		ug/L	230885	1	10/12/2016 01:36	AR
2-Butanone	BRL	50		ug/L	230885	1	10/12/2016 01:36	AR
2-Hexanone	BRL	10		ug/L	230885	1	10/12/2016 01:36	AR
4-Methyl-2-pentanone	BRL	10		ug/L	230885	1	10/12/2016 01:36	AR
Acetone	BRL	50		ug/L	230885	1	10/12/2016 01:36	AR
Benzene	BRL	5.0		ug/L	230885	1	10/12/2016 01:36	AR
Bromodichloromethane	BRL	5.0		ug/L	230885	1	10/12/2016 01:36	AR
Bromoform	BRL	5.0		ug/L	230885	1	10/12/2016 01:36	AR
Bromomethane	BRL	5.0		ug/L	230885	1	10/12/2016 01:36	AR
Carbon disulfide	BRL	5.0		ug/L	230885	1	10/12/2016 01:36	AR
Carbon tetrachloride	BRL	5.0		ug/L	230885	1	10/12/2016 01:36	AR
Chlorobenzene	BRL	5.0		ug/L	230885	1	10/12/2016 01:36	AR
Chloroethane	BRL	10		ug/L	230885	1	10/12/2016 01:36	AR
Chloroform	26	5.0		ug/L	230885	1	10/12/2016 01:36	AR
Chloromethane	BRL	10		ug/L	230885	1	10/12/2016 01:36	AR
cis-1,2-Dichloroethene	BRL	5.0		ug/L	230885	1	10/12/2016 01:36	AR
cis-1,3-Dichloropropene	BRL	5.0		ug/L	230885	1	10/12/2016 01:36	AR
Cyclohexane	BRL	5.0		ug/L	230885	1	10/12/2016 01:36	AR
Dibromochloromethane	BRL	5.0		ug/L	230885	1	10/12/2016 01:36	AR
Dichlorodifluoromethane	BRL	10		ug/L	230885	1	10/12/2016 01:36	AR
Ethylbenzene	BRL	5.0		ug/L	230885	1	10/12/2016 01:36	AR
Freon-113	BRL	10		ug/L	230885	1	10/12/2016 01:36	AR
Isopropylbenzene	BRL	5.0		ug/L	230885	1	10/12/2016 01:36	AR
m,p-Xylene	BRL	5.0		ug/L	230885	1	10/12/2016 01:36	AR
Methyl acetate	BRL	5.0		ug/L	230885	1	10/12/2016 01:36	AR
Methyl tert-butyl ether	BRL	5.0		ug/L	230885	1	10/12/2016 01:36	AR
Methylcyclohexane	BRL	5.0		ug/L	230885	1	10/12/2016 01:36	AR
Methylene chloride	BRL	5.0		ug/L	230885	1	10/12/2016 01:36	AR
o-Xylene	BRL	5.0		ug/L	230885	1	10/12/2016 01:36	AR

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 12-Oct-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16281-MW-54
Project Name:	LRM	**Collection Date:**	10/7/2016 2:15:00 PM
Lab ID:	1610725-007	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	230885	1	10/12/2016 01:36	AR
Tetrachloroethene	BRL	5.0		ug/L	230885	1	10/12/2016 01:36	AR
Toluene	BRL	5.0		ug/L	230885	1	10/12/2016 01:36	AR
trans-1,2-Dichloroethene	BRL	5.0		ug/L	230885	1	10/12/2016 01:36	AR
trans-1,3-Dichloropropene	BRL	5.0		ug/L	230885	1	10/12/2016 01:36	AR
Trichloroethene	BRL	5.0		ug/L	230885	1	10/12/2016 01:36	AR
Trichlorofluoromethane	BRL	5.0		ug/L	230885	1	10/12/2016 01:36	AR
Vinyl chloride	BRL	2.0		ug/L	230885	1	10/12/2016 01:36	AR
Surr: 4-Bromofluorobenzene	92.2	70.7-125		%REC	230885	1	10/12/2016 01:36	AR
Surr: Dibromofluoromethane	112	82.2-120		%REC	230885	1	10/12/2016 01:36	AR
Surr: Toluene-d8	106	81.8-120		%REC	230885	1	10/12/2016 01:36	AR

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:** 12-Oct-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16281-MW-55
Project Name:	LRM	**Collection Date:**	10/7/2016 3:50:00 PM
Lab ID:	1610725-008	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	230885	1	10/12/2016 11:42	NH
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	230885	1	10/12/2016 11:42	NH
1,1,2-Trichloroethane	BRL	5.0		ug/L	230885	1	10/12/2016 11:42	NH
1,1-Dichloroethane	BRL	5.0		ug/L	230885	1	10/12/2016 11:42	NH
1,1-Dichloroethene	BRL	5.0		ug/L	230885	1	10/12/2016 11:42	NH
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	230885	1	10/12/2016 11:42	NH
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	230885	1	10/12/2016 11:42	NH
1,2-Dibromoethane	BRL	5.0		ug/L	230885	1	10/12/2016 11:42	NH
1,2-Dichlorobenzene	BRL	5.0		ug/L	230885	1	10/12/2016 11:42	NH
1,2-Dichloroethane	BRL	5.0		ug/L	230885	1	10/12/2016 11:42	NH
1,2-Dichloropropane	BRL	5.0		ug/L	230885	1	10/12/2016 11:42	NH
1,3-Dichlorobenzene	BRL	5.0		ug/L	230885	1	10/12/2016 11:42	NH
1,4-Dichlorobenzene	BRL	5.0		ug/L	230885	1	10/12/2016 11:42	NH
2-Butanone	BRL	50		ug/L	230885	1	10/12/2016 11:42	NH
2-Hexanone	BRL	10		ug/L	230885	1	10/12/2016 11:42	NH
4-Methyl-2-pentanone	BRL	10		ug/L	230885	1	10/12/2016 11:42	NH
Acetone	BRL	50		ug/L	230885	1	10/12/2016 11:42	NH
Benzene	BRL	5.0		ug/L	230885	1	10/12/2016 11:42	NH
Bromodichloromethane	BRL	5.0		ug/L	230885	1	10/12/2016 11:42	NH
Bromoform	BRL	5.0		ug/L	230885	1	10/12/2016 11:42	NH
Bromomethane	BRL	5.0		ug/L	230885	1	10/12/2016 11:42	NH
Carbon disulfide	BRL	5.0		ug/L	230885	1	10/12/2016 11:42	NH
Carbon tetrachloride	BRL	5.0		ug/L	230885	1	10/12/2016 11:42	NH
Chlorobenzene	BRL	5.0		ug/L	230885	1	10/12/2016 11:42	NH
Chloroethane	BRL	10		ug/L	230885	1	10/12/2016 11:42	NH
Chloroform	BRL	5.0		ug/L	230885	1	10/12/2016 11:42	NH
Chloromethane	BRL	10		ug/L	230885	1	10/12/2016 11:42	NH
cis-1,2-Dichloroethene	11	5.0		ug/L	230885	1	10/12/2016 11:42	NH
cis-1,3-Dichloropropene	BRL	5.0		ug/L	230885	1	10/12/2016 11:42	NH
Cyclohexane	BRL	5.0		ug/L	230885	1	10/12/2016 11:42	NH
Dibromochloromethane	BRL	5.0		ug/L	230885	1	10/12/2016 11:42	NH
Dichlorodifluoromethane	BRL	10		ug/L	230885	1	10/12/2016 11:42	NH
Ethylbenzene	BRL	5.0		ug/L	230885	1	10/12/2016 11:42	NH
Freon-113	BRL	10		ug/L	230885	1	10/12/2016 11:42	NH
Isopropylbenzene	BRL	5.0		ug/L	230885	1	10/12/2016 11:42	NH
m,p-Xylene	BRL	5.0		ug/L	230885	1	10/12/2016 11:42	NH
Methyl acetate	BRL	5.0		ug/L	230885	1	10/12/2016 11:42	NH
Methyl tert-butyl ether	BRL	5.0		ug/L	230885	1	10/12/2016 11:42	NH
Methylcyclohexane	BRL	5.0		ug/L	230885	1	10/12/2016 11:42	NH
Methylene chloride	BRL	5.0		ug/L	230885	1	10/12/2016 11:42	NH
o-Xylene	BRL	5.0		ug/L	230885	1	10/12/2016 11:42	NH

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:** 12-Oct-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16281-MW-55
Project Name:	LRM	**Collection Date:**	10/7/2016 3:50:00 PM
Lab ID:	1610725-008	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	230885	1	10/12/2016 11:42	NH
Tetrachloroethene	BRL	5.0		ug/L	230885	1	10/12/2016 11:42	NH
Toluene	BRL	5.0		ug/L	230885	1	10/12/2016 11:42	NH
trans-1,2-Dichloroethene	BRL	5.0		ug/L	230885	1	10/12/2016 11:42	NH
trans-1,3-Dichloropropene	BRL	5.0		ug/L	230885	1	10/12/2016 11:42	NH
Trichloroethene	8.2	5.0		ug/L	230885	1	10/12/2016 11:42	NH
Trichlorofluoromethane	BRL	5.0		ug/L	230885	1	10/12/2016 11:42	NH
Vinyl chloride	BRL	2.0		ug/L	230885	1	10/12/2016 11:42	NH
Surr: 4-Bromofluorobenzene	88.4	70.7-125		%REC	230885	1	10/12/2016 11:42	NH
Surr: Dibromofluoromethane	105	82.2-120		%REC	230885	1	10/12/2016 11:42	NH
Surr: Toluene-d8	97.4	81.8-120		%REC	230885	1	10/12/2016 11:42	NH

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:** 12-Oct-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16281-MW-56
Project Name:	LRM	**Collection Date:**	10/7/2016 4:25:00 PM
Lab ID:	1610725-009	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	230885	1	10/12/2016 12:08	NH
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	230885	1	10/12/2016 12:08	NH
1,1,2-Trichloroethane	BRL	5.0		ug/L	230885	1	10/12/2016 12:08	NH
1,1-Dichloroethane	BRL	5.0		ug/L	230885	1	10/12/2016 12:08	NH
1,1-Dichloroethene	BRL	5.0		ug/L	230885	1	10/12/2016 12:08	NH
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	230885	1	10/12/2016 12:08	NH
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	230885	1	10/12/2016 12:08	NH
1,2-Dibromoethane	BRL	5.0		ug/L	230885	1	10/12/2016 12:08	NH
1,2-Dichlorobenzene	BRL	5.0		ug/L	230885	1	10/12/2016 12:08	NH
1,2-Dichloroethane	BRL	5.0		ug/L	230885	1	10/12/2016 12:08	NH
1,2-Dichloropropane	BRL	5.0		ug/L	230885	1	10/12/2016 12:08	NH
1,3-Dichlorobenzene	BRL	5.0		ug/L	230885	1	10/12/2016 12:08	NH
1,4-Dichlorobenzene	BRL	5.0		ug/L	230885	1	10/12/2016 12:08	NH
2-Butanone	BRL	50		ug/L	230885	1	10/12/2016 12:08	NH
2-Hexanone	BRL	10		ug/L	230885	1	10/12/2016 12:08	NH
4-Methyl-2-pentanone	BRL	10		ug/L	230885	1	10/12/2016 12:08	NH
Acetone	BRL	50		ug/L	230885	1	10/12/2016 12:08	NH
Benzene	BRL	5.0		ug/L	230885	1	10/12/2016 12:08	NH
Bromodichloromethane	BRL	5.0		ug/L	230885	1	10/12/2016 12:08	NH
Bromoform	BRL	5.0		ug/L	230885	1	10/12/2016 12:08	NH
Bromomethane	BRL	5.0		ug/L	230885	1	10/12/2016 12:08	NH
Carbon disulfide	BRL	5.0		ug/L	230885	1	10/12/2016 12:08	NH
Carbon tetrachloride	BRL	5.0		ug/L	230885	1	10/12/2016 12:08	NH
Chlorobenzene	BRL	5.0		ug/L	230885	1	10/12/2016 12:08	NH
Chloroethane	BRL	10		ug/L	230885	1	10/12/2016 12:08	NH
Chloroform	BRL	5.0		ug/L	230885	1	10/12/2016 12:08	NH
Chloromethane	BRL	10		ug/L	230885	1	10/12/2016 12:08	NH
cis-1,2-Dichloroethene	36	5.0		ug/L	230885	1	10/12/2016 12:08	NH
cis-1,3-Dichloropropene	BRL	5.0		ug/L	230885	1	10/12/2016 12:08	NH
Cyclohexane	BRL	5.0		ug/L	230885	1	10/12/2016 12:08	NH
Dibromochloromethane	BRL	5.0		ug/L	230885	1	10/12/2016 12:08	NH
Dichlorodifluoromethane	BRL	10		ug/L	230885	1	10/12/2016 12:08	NH
Ethylbenzene	BRL	5.0		ug/L	230885	1	10/12/2016 12:08	NH
Freon-113	BRL	10		ug/L	230885	1	10/12/2016 12:08	NH
Isopropylbenzene	BRL	5.0		ug/L	230885	1	10/12/2016 12:08	NH
m,p-Xylene	BRL	5.0		ug/L	230885	1	10/12/2016 12:08	NH
Methyl acetate	BRL	5.0		ug/L	230885	1	10/12/2016 12:08	NH
Methyl tert-butyl ether	BRL	5.0		ug/L	230885	1	10/12/2016 12:08	NH
Methylcyclohexane	BRL	5.0		ug/L	230885	1	10/12/2016 12:08	NH
Methylene chloride	BRL	5.0		ug/L	230885	1	10/12/2016 12:08	NH
o-Xylene	BRL	5.0		ug/L	230885	1	10/12/2016 12:08	NH

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:** 12-Oct-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16281-MW-56
Project Name:	LRM	**Collection Date:**	10/7/2016 4:25:00 PM
Lab ID:	1610725-009	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	230885	1	10/12/2016 12:08	NH
Tetrachloroethene	BRL	5.0		ug/L	230885	1	10/12/2016 12:08	NH
Toluene	BRL	5.0		ug/L	230885	1	10/12/2016 12:08	NH
trans-1,2-Dichloroethene	BRL	5.0		ug/L	230885	1	10/12/2016 12:08	NH
trans-1,3-Dichloropropene	BRL	5.0		ug/L	230885	1	10/12/2016 12:08	NH
Trichloroethene	21	5.0		ug/L	230885	1	10/12/2016 12:08	NH
Trichlorofluoromethane	BRL	5.0		ug/L	230885	1	10/12/2016 12:08	NH
Vinyl chloride	BRL	2.0		ug/L	230885	1	10/12/2016 12:08	NH
Surr: 4-Bromofluorobenzene	87.6	70.7-125		%REC	230885	1	10/12/2016 12:08	NH
Surr: Dibromofluoromethane	107	82.2-120		%REC	230885	1	10/12/2016 12:08	NH
Surr: Toluene-d8	98.4	81.8-120		%REC	230885	1	10/12/2016 12:08	NH

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:** 12-Oct-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16281-MW-57
Project Name:	LRM	**Collection Date:**	10/7/2016 5:10:00 PM
Lab ID:	1610725-010	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	230885	1	10/12/2016 02:05	AR
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	230885	1	10/12/2016 02:05	AR
1,1,2-Trichloroethane	BRL	5.0		ug/L	230885	1	10/12/2016 02:05	AR
1,1-Dichloroethane	BRL	5.0		ug/L	230885	1	10/12/2016 02:05	AR
1,1-Dichloroethene	BRL	5.0		ug/L	230885	1	10/12/2016 02:05	AR
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	230885	1	10/12/2016 02:05	AR
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	230885	1	10/12/2016 02:05	AR
1,2-Dibromoethane	BRL	5.0		ug/L	230885	1	10/12/2016 02:05	AR
1,2-Dichlorobenzene	BRL	5.0		ug/L	230885	1	10/12/2016 02:05	AR
1,2-Dichloroethane	BRL	5.0		ug/L	230885	1	10/12/2016 02:05	AR
1,2-Dichloropropane	BRL	5.0		ug/L	230885	1	10/12/2016 02:05	AR
1,3-Dichlorobenzene	BRL	5.0		ug/L	230885	1	10/12/2016 02:05	AR
1,4-Dichlorobenzene	BRL	5.0		ug/L	230885	1	10/12/2016 02:05	AR
2-Butanone	BRL	50		ug/L	230885	1	10/12/2016 02:05	AR
2-Hexanone	BRL	10		ug/L	230885	1	10/12/2016 02:05	AR
4-Methyl-2-pentanone	BRL	10		ug/L	230885	1	10/12/2016 02:05	AR
Acetone	BRL	50		ug/L	230885	1	10/12/2016 02:05	AR
Benzene	BRL	5.0		ug/L	230885	1	10/12/2016 02:05	AR
Bromodichloromethane	BRL	5.0		ug/L	230885	1	10/12/2016 02:05	AR
Bromoform	BRL	5.0		ug/L	230885	1	10/12/2016 02:05	AR
Bromomethane	BRL	5.0		ug/L	230885	1	10/12/2016 02:05	AR
Carbon disulfide	BRL	5.0		ug/L	230885	1	10/12/2016 02:05	AR
Carbon tetrachloride	BRL	5.0		ug/L	230885	1	10/12/2016 02:05	AR
Chlorobenzene	BRL	5.0		ug/L	230885	1	10/12/2016 02:05	AR
Chloroethane	BRL	10		ug/L	230885	1	10/12/2016 02:05	AR
Chloroform	8.8	5.0		ug/L	230885	1	10/12/2016 02:05	AR
Chloromethane	BRL	10		ug/L	230885	1	10/12/2016 02:05	AR
cis-1,2-Dichloroethene	100	5.0		ug/L	230885	1	10/12/2016 02:05	AR
cis-1,3-Dichloropropene	BRL	5.0		ug/L	230885	1	10/12/2016 02:05	AR
Cyclohexane	BRL	5.0		ug/L	230885	1	10/12/2016 02:05	AR
Dibromochloromethane	BRL	5.0		ug/L	230885	1	10/12/2016 02:05	AR
Dichlorodifluoromethane	BRL	10		ug/L	230885	1	10/12/2016 02:05	AR
Ethylbenzene	BRL	5.0		ug/L	230885	1	10/12/2016 02:05	AR
Freon-113	BRL	10		ug/L	230885	1	10/12/2016 02:05	AR
Isopropylbenzene	BRL	5.0		ug/L	230885	1	10/12/2016 02:05	AR
m,p-Xylene	BRL	5.0		ug/L	230885	1	10/12/2016 02:05	AR
Methyl acetate	BRL	5.0		ug/L	230885	1	10/12/2016 02:05	AR
Methyl tert-butyl ether	BRL	5.0		ug/L	230885	1	10/12/2016 02:05	AR
Methylcyclohexane	BRL	5.0		ug/L	230885	1	10/12/2016 02:05	AR
Methylene chloride	BRL	5.0		ug/L	230885	1	10/12/2016 02:05	AR
o-Xylene	BRL	5.0		ug/L	230885	1	10/12/2016 02:05	AR

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 12-Oct-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16281-MW-57
Project Name:	LRM	**Collection Date:**	10/7/2016 5:10:00 PM
Lab ID:	1610725-010	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	230885	1	10/12/2016 02:05	AR
Tetrachloroethene	BRL	5.0		ug/L	230885	1	10/12/2016 02:05	AR
Toluene	BRL	5.0		ug/L	230885	1	10/12/2016 02:05	AR
trans-1,2-Dichloroethene	BRL	5.0		ug/L	230885	1	10/12/2016 02:05	AR
trans-1,3-Dichloropropene	BRL	5.0		ug/L	230885	1	10/12/2016 02:05	AR
Trichloroethene	57	5.0		ug/L	230885	1	10/12/2016 02:05	AR
Trichlorofluoromethane	BRL	5.0		ug/L	230885	1	10/12/2016 02:05	AR
Vinyl chloride	BRL	2.0		ug/L	230885	1	10/12/2016 02:05	AR
Surr: 4-Bromofluorobenzene	92.5	70.7-125		%REC	230885	1	10/12/2016 02:05	AR
Surr: Dibromofluoromethane	109	82.2-120		%REC	230885	1	10/12/2016 02:05	AR
Surr: Toluene-d8	102	81.8-120		%REC	230885	1	10/12/2016 02:05	AR

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:** 12-Oct-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16281-TRIP BLANK
Project Name:	LRM	**Collection Date:**	10/7/2016
Lab ID:	1610725-011	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	230885	1	10/11/2016 13:48	BN
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	230885	1	10/11/2016 13:48	BN
1,1,2-Trichloroethane	BRL	5.0		ug/L	230885	1	10/11/2016 13:48	BN
1,1-Dichloroethane	BRL	5.0		ug/L	230885	1	10/11/2016 13:48	BN
1,1-Dichloroethene	BRL	5.0		ug/L	230885	1	10/11/2016 13:48	BN
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	230885	1	10/11/2016 13:48	BN
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	230885	1	10/11/2016 13:48	BN
1,2-Dibromoethane	BRL	5.0		ug/L	230885	1	10/11/2016 13:48	BN
1,2-Dichlorobenzene	BRL	5.0		ug/L	230885	1	10/11/2016 13:48	BN
1,2-Dichloroethane	BRL	5.0		ug/L	230885	1	10/11/2016 13:48	BN
1,2-Dichloropropane	BRL	5.0		ug/L	230885	1	10/11/2016 13:48	BN
1,3-Dichlorobenzene	BRL	5.0		ug/L	230885	1	10/11/2016 13:48	BN
1,4-Dichlorobenzene	BRL	5.0		ug/L	230885	1	10/11/2016 13:48	BN
2-Butanone	BRL	50		ug/L	230885	1	10/11/2016 13:48	BN
2-Hexanone	BRL	10		ug/L	230885	1	10/11/2016 13:48	BN
4-Methyl-2-pentanone	BRL	10		ug/L	230885	1	10/11/2016 13:48	BN
Acetone	BRL	50		ug/L	230885	1	10/11/2016 13:48	BN
Benzene	BRL	5.0		ug/L	230885	1	10/11/2016 13:48	BN
Bromodichloromethane	BRL	5.0		ug/L	230885	1	10/11/2016 13:48	BN
Bromoform	BRL	5.0		ug/L	230885	1	10/11/2016 13:48	BN
Bromomethane	BRL	5.0		ug/L	230885	1	10/11/2016 13:48	BN
Carbon disulfide	BRL	5.0		ug/L	230885	1	10/11/2016 13:48	BN
Carbon tetrachloride	BRL	5.0		ug/L	230885	1	10/11/2016 13:48	BN
Chlorobenzene	BRL	5.0		ug/L	230885	1	10/11/2016 13:48	BN
Chloroethane	BRL	10		ug/L	230885	1	10/11/2016 13:48	BN
Chloroform	BRL	5.0		ug/L	230885	1	10/11/2016 13:48	BN
Chloromethane	BRL	10		ug/L	230885	1	10/11/2016 13:48	BN
cis-1,2-Dichloroethene	BRL	5.0		ug/L	230885	1	10/11/2016 13:48	BN
cis-1,3-Dichloropropene	BRL	5.0		ug/L	230885	1	10/11/2016 13:48	BN
Cyclohexane	BRL	5.0		ug/L	230885	1	10/11/2016 13:48	BN
Dibromochloromethane	BRL	5.0		ug/L	230885	1	10/11/2016 13:48	BN
Dichlorodifluoromethane	BRL	10		ug/L	230885	1	10/11/2016 13:48	BN
Ethylbenzene	BRL	5.0		ug/L	230885	1	10/11/2016 13:48	BN
Freon-113	BRL	10		ug/L	230885	1	10/11/2016 13:48	BN
Isopropylbenzene	BRL	5.0		ug/L	230885	1	10/11/2016 13:48	BN
m,p-Xylene	BRL	5.0		ug/L	230885	1	10/11/2016 13:48	BN
Methyl acetate	BRL	5.0		ug/L	230885	1	10/11/2016 13:48	BN
Methyl tert-butyl ether	BRL	5.0		ug/L	230885	1	10/11/2016 13:48	BN
Methylcyclohexane	BRL	5.0		ug/L	230885	1	10/11/2016 13:48	BN
Methylene chloride	BRL	5.0		ug/L	230885	1	10/11/2016 13:48	BN
o-Xylene	BRL	5.0		ug/L	230885	1	10/11/2016 13:48	BN

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:** 12-Oct-16

Client:	Environmental Planning Specialists, Inc.	**Client Sample ID:**	16281-TRIP BLANK
Project Name:	LRM	**Collection Date:**	10/7/2016
Lab ID:	1610725-011	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	230885	1	10/11/2016 13:48	BN
Tetrachloroethene	BRL	5.0		ug/L	230885	1	10/11/2016 13:48	BN
Toluene	BRL	5.0		ug/L	230885	1	10/11/2016 13:48	BN
trans-1,2-Dichloroethene	BRL	5.0		ug/L	230885	1	10/11/2016 13:48	BN
trans-1,3-Dichloropropene	BRL	5.0		ug/L	230885	1	10/11/2016 13:48	BN
Trichloroethene	BRL	5.0		ug/L	230885	1	10/11/2016 13:48	BN
Trichlorofluoromethane	BRL	5.0		ug/L	230885	1	10/11/2016 13:48	BN
Vinyl chloride	BRL	2.0		ug/L	230885	1	10/11/2016 13:48	BN
Surr: 4-Bromofluorobenzene	89.4	70.7-125		%REC	230885	1	10/11/2016 13:48	BN
Surr: Dibromofluoromethane	101	82.2-120		%REC	230885	1	10/11/2016 13:48	BN
Surr: Toluene-d8	94	81.8-120		%REC	230885	1	10/11/2016 13:48	BN

Qualifiers:

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

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client EPS Work Order Number 1610725

Checklist completed by [signature] 10/10/16
Signature Date

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

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

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

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

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

Cooler #1 3.1 Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

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

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

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes ✓ No __

Was TAT marked on the COC? Yes ✓ No __

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

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

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

Adjusted? _____ Checked by _____

Sample Condition: Good ✓ Other(Explain) _____

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

See Case Narrative for resolution of the Non-Conformance.

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

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

Client: Environmental Planning Specialists, Inc.
Project Name: LRM
Workorder: 1610725

ANALYTICAL QC SUMMARY REPORT

BatchID: 230885

Sample ID: **MB-230885** Client ID: Units: **ug/L** Prep Date: **10/10/2016** Run No: **327058**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **230885** Analysis Date: **10/10/2016** Seq No: **7089394**

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: Environmental Planning Specialists, Inc.
Project Name: LRM
Workorder: 1610725

ANALYTICAL QC SUMMARY REPORT

BatchID: 230885

Sample ID: **MB-230885** Client ID: Units: **ug/L** Prep Date: **10/10/2016** Run No: **327058**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **230885** Analysis Date: **10/10/2016** Seq No: **7089394**

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	44.42	0	50.00		88.8	70.7	125				
Surr: Dibromofluoromethane	50.88	0	50.00		102	82.2	120				
Surr: Toluene-d8	48.57	0	50.00		97.1	81.8	120				

Qualifiers:

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

Client: Environmental Planning Specialists, Inc.
Project Name: LRM
Workorder: 1610725

ANALYTICAL QC SUMMARY REPORT

BatchID: 230885

Sample ID: **LCS-230885** Client ID: Units: **ug/L** Prep Date: **10/10/2016** Run No: **327058**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **230885** Analysis Date: **10/10/2016** Seq No: **7089393**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	49.94	5.0	50.00		99.9	65.3	137				
Benzene	50.25	5.0	50.00		100	74.9	123				
Chlorobenzene	49.38	5.0	50.00		98.8	73.9	124				
Toluene	50.67	5.0	50.00		101	75	124				
Trichloroethene	50.52	5.0	50.00		101	73.1	128				
Surr: 4-Bromofluorobenzene	45.47	0	50.00		90.9	70.7	125				
Surr: Dibromofluoromethane	48.57	0	50.00		97.1	82.2	120				
Surr: Toluene-d8	46.58	0	50.00		93.2	81.8	120				

Sample ID: **1610330-002AMS** Client ID: **B-1** Units: **ug/L** Prep Date: **10/10/2016** Run No: **327114**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **230885** Analysis Date: **10/11/2016** Seq No: **7093145**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	2646	250	2500		106	60	150				
Benzene	2600	250	2500	64.00	101	70.1	132				
Chlorobenzene	2557	250	2500		102	70.9	131				
Toluene	2730	250	2500	31.00	108	70.1	133				
Trichloroethene	2492	250	2500	329.0	86.5	70	136				
Surr: 4-Bromofluorobenzene	2282	0	2500		91.3	70.7	125				
Surr: Dibromofluoromethane	2530	0	2500		101	82.2	120				
Surr: Toluene-d8	2466	0	2500		98.6	81.8	120				

Sample ID: **1610330-002AMSD** Client ID: **B-1** Units: **ug/L** Prep Date: **10/10/2016** Run No: **327114**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **230885** Analysis Date: **10/11/2016** Seq No: **7093146**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	2220	250	2500		88.8	60	150	2646	17.5	17.7	
Benzene	2497	250	2500	64.00	97.3	70.1	132	2600	4.06	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: Environmental Planning Specialists, Inc.
Project Name: LRM
Workorder: 1610725

ANALYTICAL QC SUMMARY REPORT

BatchID: 230885

Sample ID: **1610330-002AMSD** Client ID: **B-1** Units: **ug/L** Prep Date: **10/10/2016** Run No: **327114**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **230885** Analysis Date: **10/11/2016** Seq No: **7093146**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	2423	250	2500		96.9	70.9	131	2557	5.38	20	
Toluene	2634	250	2500	31.00	104	70.1	133	2730	3.58	20	
Trichloroethene	2370	250	2500	329.0	81.6	70	136	2492	5.00	20	
Surr: 4-Bromofluorobenzene	2248	0	2500		89.9	70.7	125	2282	0	0	
Surr: Dibromofluoromethane	2420	0	2500		96.8	82.2	120	2530	0	0	
Surr: Toluene-d8	2404	0	2500		96.1	81.8	120	2466	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 D
Soil Core Photos

Interval where well was screened

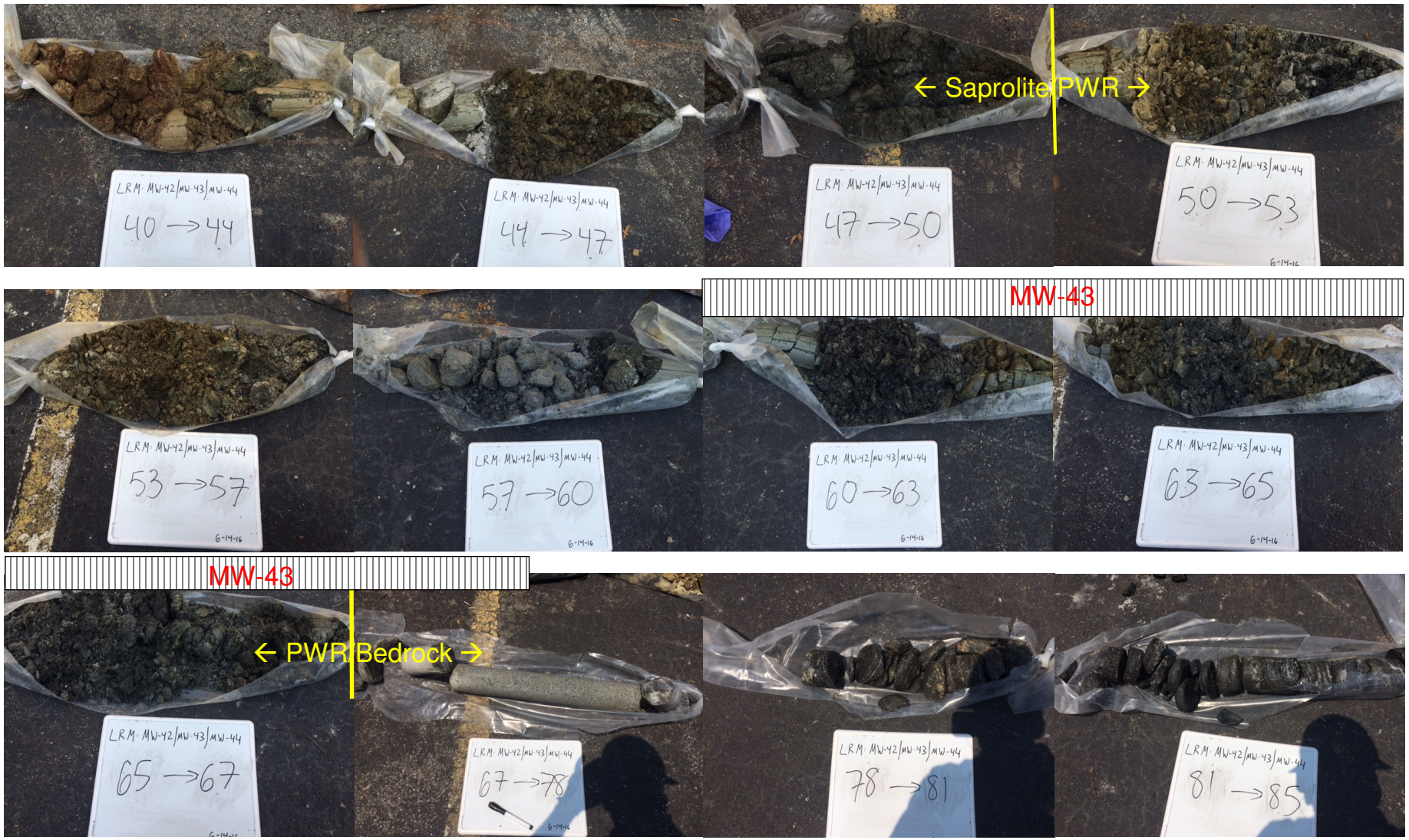
EPS
1050 Crown Pointe Parkway
Suite 550
Atlanta, GA 30338
Phone (404) 315-9113
Fax (404) 315-8509
info@envplanning.com

Lafarge Road Marketing, Inc.
2675 North Martin Street
East Point, GA 30344

MW-42/43/44 Soil Core Photo Log

PAGE

1



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MW-42/43/44 Soil Core Photo Log

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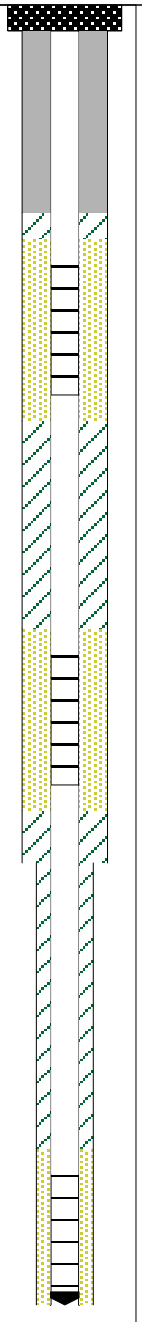
MW-42/43/44 Soil Core Photo Log

APPENDIX E
Well Construction Diagrams

PROJECT: **LRM: Off-Site Delineation**	Log of Boring No. **MW-39/MW-40/MW-41**
SITE LOCATION: East Point, GA	TOP OF CASING ELEVATION (ft): See Below
DRILLING CONTRACTOR: Cascade Drilling	DATE STARTED: 6/13/2016 / DATE FINISHED: 6/14/2016
DRILLING METHOD: Rotosonic	TOTAL DEPTH (ft.): 100 / SCREEN INTERVAL (ft.): See Below
DRILLING EQUIPMENT: Sonic 10-00288	DEPTH TO WATER AT TIME OF BORING (ft.): NM / CASING (ft.): See Below
SAMPLING METHOD: Sample Sleeves	BOREHOLE DIAMETER (In.): See Below / WELL DIAMETER (In.): 1
LOGGED BY: Alex Testoff	

Ground Surface Elevation (ft): N/A

DEPTH (feet)	Sample No.	Location	PID Reading	DESCRIPTION
0			3.3	Topsoil
				Red clay
5			4	Red, orange clayey sand
10			5.5	Brown, red clayey sand
				Orange clayey sand
15			6.7	Brown clayey sand
20				White, brown saprolite w/ orange clayey sand
			0.9	Orange, brown clayey sand
25			0.7	Light brown clayey sand w/ white saprolite
30				Brown, orange clayey sand
			1.2	
35				Tan, brown saprolite w/ brown clayey sand
			3.4	
40			1	Tan, gray, micaceous saprolite
45			1	Gray, white, micaceous saprolite
50			3.2	Gray, brown, micaceous weathered rock
55			4	Tan, brown, micaceous weathered rock
60			1.9	
65			0.7	
			0.3	Slightly pulverized gray, white gneiss
70			0.7	Gray, white gneiss (granite, quartz, hornblende), evidence of natural fracturing
75				
80			0.9	
85			0.6	
90			0.2	
95			0	
100				



WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS

Flush mount well vault

MW-39, MW-40, and MW-41 constructed with 3 separate 1", 0.01-inch slotted PVC wells within one borehole.

MW-39: Screen = 20-30 ft

MW-39 TOC elevation: 1027.68459 ft.

6" borehole from 0-66 ft bgs.

MW-40: Screen = 50- 60 ft

MW-40 TOC elevation: 1027.62241 ft.

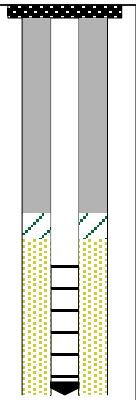
4" borehole from 66-100 ft bgs.

MW-41: Screen = 90-100 ft

MW-41 TOC elevation: 1027.64884 ft.

EPS

PROJECT:		Log of Boring No.	
LRM: Off-Site Delineation		**MW-42**	
SITE LOCATION:	East Point, GA	TOP OF CASING ELEVATION (ft):	1025.29418
DRILLING CONTRACTOR:	Cascade Drilling	DATE STARTED: 6/17/2016	DATE FINISHED: 6/17/2016
DRILLING METHOD:	Rotosonic	TOTAL DEPTH (ft.): 30	SCREEN INTERVAL (ft.): 20-30
DRILLING EQUIPMENT:	Mini Sonic 10-01425	DEPTH TO WATER AT TIME OF BORING (ft.): NM	CASING (ft.): 0-20
SAMPLING METHOD:	N/A	BOREHOLE DIAMETER (In.): 4.25	WELL DIAMETER (In.): 1
LOGGED BY:	Alex Testoff		

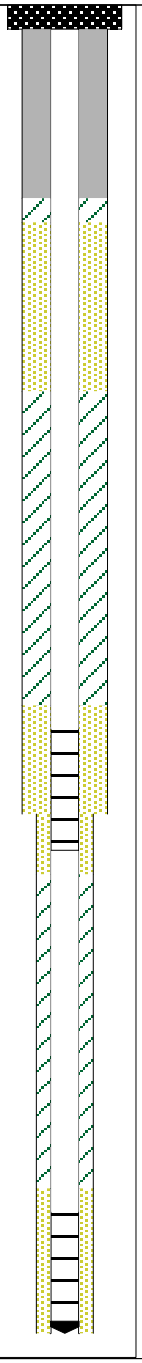
DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Location	PID Reading	DESCRIPTION	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0–100				Ground Surface Elevation (ft): N/A See lithology for MW-43/MW-44.	 MW-42 constructed with 1", 0.01-inch slotted PVC MW-42 : Screen= 20-30 ft

EPS

PROJECT: **LRM: Off-Site Delineation**	Log of Boring No. **MW-43/MW-44**
SITE LOCATION: East Point, GA	TOP OF CASING ELEVATION (ft): See Below
DRILLING CONTRACTOR: Cascade Drilling	DATE STARTED: 6/14/2016 / DATE FINISHED: 6/15/2016
DRILLING METHOD: Rotosonic	TOTAL DEPTH (ft.): 110 / SCREEN INTERVAL (ft.): See Below
DRILLING EQUIPMENT: Sonic 10-00288	DEPTH TO WATER AT TIME OF BORING (ft.): NM / CASING (ft.): See Below
SAMPLING METHOD: Sample Sleeves	BOREHOLE DIAMETER (In.): See Below / WELL DIAMETER (In.): 1
LOGGED BY: Alex Testoff	

Ground Surface Elevation (ft): N/A

DEPTH (feet)	Sample No.	Location	PID Reading	DESCRIPTION
0	SB-1-2		14.9	Asphalt
5			26.2	Gray, brown clayey sand (black staining @ ~2 ft. bgs)
				Orange, tan sandy clay
10			4.7	Orange, brown, micaceous clayey sand
15			9.1	Red, brown, micaceous clayey sand
20				Tan, white clayey sand
25			3.4	Brown, pink micaceous saprolite
30			2.9	
35			3	Brown, tan, pink, micaceous saprolite
40			1.8	Brown, tan, pink, micaceous saprolite w/ black mottling
45			1.7	Gray, tan micaceous saprolite
				Brown, tan micaceous saprolite
50			2.2	Gray, micaceous saprolite
				Tan, brown weathered rock
55			6.2	Gray, tan micaceous weathered rock
60			1.1	Gray, tan weathered rock
			2	Tan, gray, white weathered rock
65			1.5	Gray, white weathered rock
70			0	Gray, white gneiss (granite, quartz), ~40% recovery
75				
80			0	Gray, white gneiss (hornblend, quartz), evidence of natural fracturing
85				
90			0	Gray, white gneiss (hornblend, quartz), ~70% recovery
95				
100			0	Gray, white gneiss (hornblend, quartz), evidence of natural fracturing
105				
110				



WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS

Flush mount well vault

MW-43 and MW-44 constructed with 2 separate 1", 0.01-inch slotted PVC wells within one borehole.

6" borehole from 0-67 ft bgs.

MW-43: Screen = 60-70 ft

MW-43 TOC elevation: 1025.30171 ft.

4" borehole from 67-110 ft bgs.

MW-44: Screen = 100-110 ft

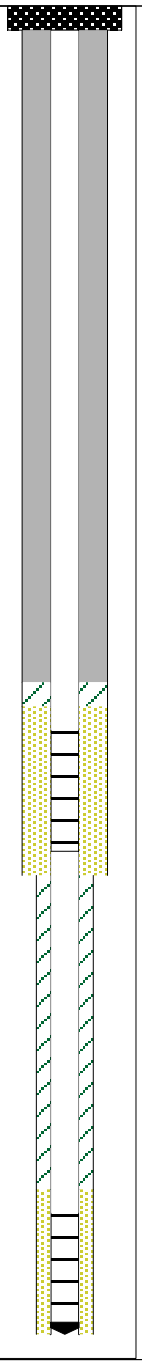
MW-44 TOC elevation: 1025.35055 ft.

EPS

PROJECT: **LRM: Off-Site Delineation**	Log of Boring No. **MW-45/MW-46**
SITE LOCATION: East Point, GA	TOP OF CASING ELEVATION (ft): See Below
DRILLING CONTRACTOR: Cascade Drilling	DATE STARTED: 6/12/2016 / DATE FINISHED: 6/12/2016
DRILLING METHOD: Rotosonic	TOTAL DEPTH (ft.): 110 / SCREEN INTERVAL (ft.): See Below
DRILLING EQUIPMENT: Sonic 10-00288	DEPTH TO WATER AT TIME OF BORING (ft.): NM / CASING (ft.): See Below
SAMPLING METHOD: Sample Sleeves	BOREHOLE DIAMETER (In.): See Below / WELL DIAMETER (In.): 1
LOGGED BY: Alex Testoff	

Ground Surface Elevation (ft): N/A

DEPTH (feet)	Sample No.	Location	PID Reading	DESCRIPTION
0				Asphalt
5			6.2	Gray sand w/ gravel
10			10.1	Gray clayey sand
15				
20				No recovery
25				
30			3.8	Micaceous clayey sand w/ white saprolite
35			7.1	White, tan saprolite w/ brown sandy clay
40			3.9	Tan, micaceous clayey sand w/ white saprolite
45			9.1	Orange clay w/ gray, white, micaceous saprolite
50			8.4	Micaceous, gray, white saprolite
55			8.6	Gray, white saprolite
60			5.6	Gray, white weathered rock
65			9.3	
70			7.5	Micaceous, gray, white weathered rock
75			0.1	White, gray gneiss (granite)
80			0	
85				
90			0.8	Gray, white gneiss (granite, quartz, hornblende), evidence of natural fracturing
95			0.8	
100			0.3	
105			0.3	
110			0.7	



WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS

Flush mount well vault

MW-45 and MW-46 constructed with 2 separate 1", 0.01-inch slotted PVC wells within one borehole.

6" borehole from 0-68 ft bgs.

MW-45: Screen = 60-70 ft

MW-45 TOC elevation: 1009.18156 ft.

4" borehole from 68-118 ft bgs.

MW-46: Screen = 100-110 ft

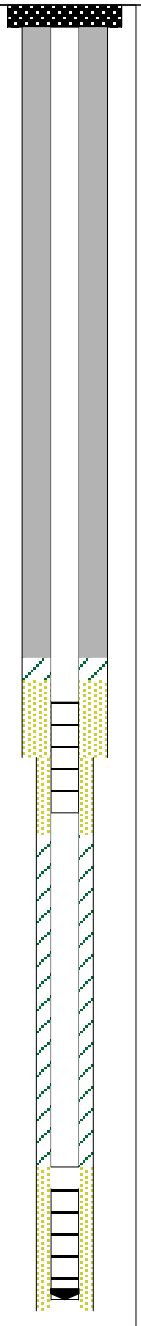
MW-46 TOC elevation: 1009.39928 ft.

EPS

PROJECT: **LRM: Off-Site Delineation**	Log of Boring No. **MW-47/MW-48**
SITE LOCATION: East Point, GA	TOP OF CASING ELEVATION (ft): See Below
DRILLING CONTRACTOR: Cascade Drilling	DATE STARTED: 6/7/2016 / DATE FINISHED: 6/11/2016
DRILLING METHOD: Rotosonic	TOTAL DEPTH (ft.): 118 / SCREEN INTERVAL (ft.): See Below
DRILLING EQUIPMENT: Mini Sonic 10-01425 & Sonic 10-00288	DEPTH TO WATER AT TIME OF BORING (ft.): NM / CASING (ft.): See Below
SAMPLING METHOD: Sample Sleeves	BOREHOLE DIAMETER (In.): See Below / WELL DIAMETER (In.): 1
LOGGED BY: Alex Testoff	

Ground Surface Elevation (ft): N/A

DEPTH (feet)	Sample No.	Location	PID Reading	DESCRIPTION
0			0	Topsoil
5			2.1	Brown, orange, clayey sand w/ gravel
10			4.4	Brown, gray, clayey sand w/ gravel
15			3.6	Orange, brown, micaceous clay w/ tan saprolite
20			4	White, micaceous, saprolite w/ dark brown, clayey sand
25			5.7	Tan, micaceous saprolite w/ dark brown, clayey sand
30			6.2	Dark brown, tan, micaceous saprolite (layered)
35			7.9	Dark brown, tan, micaceous saprolite
40			8	Tan, micaceous saprolite w/ brown silt
45			6	Tan, white, light brown saprolite
50			1.6	Tan, gray weathered rock
55			2.5	Tan, gray weathered rock w/ black mottling
60			0.6	Dark gray, micaceous, weathered rock w/ bronze mottling
65			0	Dark gray, micaceous, weathered rock
70				Dark gray white gneiss (hornblend, quartz), <10% recovery
75				
80			0.4	
85				
90			0.5	Gray, white gneiss (hornblende, granite, quartz), evidence of natural fracturing
95			0.2	
100			0	
105			0.4	
110				
115				
120				



WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS

Flush mount well vault

MW-47 and MW-48 constructed with 2 separate 1", 0.01-inch slotted PVC wells within one borehole.

6" borehole from 0-68 ft bgs.

MW-47: Screen = 63-73 ft
MW-47 TOC elevation: 1008.62003 ft.

4" borehole from 68-118 ft bgs.

MW-48: Screen = 107-117 ft
MW-48 TOC elevation: 1008.71059 ft.

EPS

PROJECT: **LRM: Off-Site Delineation**	Log of Boring No. **MW-49/MW-50/MW-51**
SITE LOCATION: East Point, GA	TOP OF CASING ELEVATION (ft): See Below
DRILLING CONTRACTOR: Cascade Drilling	DATE STARTED: 9/21/2016 / DATE FINISHED: 9/23/2016
DRILLING METHOD: Rotosonic	TOTAL DEPTH (ft.): 91 / SCREEN INTERVAL (ft.): See Below
DRILLING EQUIPMENT: Sonic 10-00288	DEPTH TO WATER AT TIME OF BORING (ft.): NM / CASING (ft.): See Below
SAMPLING METHOD: Sample Sleeves	BOREHOLE DIAMETER (In.): See Below / WELL DIAMETER (In.): 1
LOGGED BY: Timmerly Bullman	

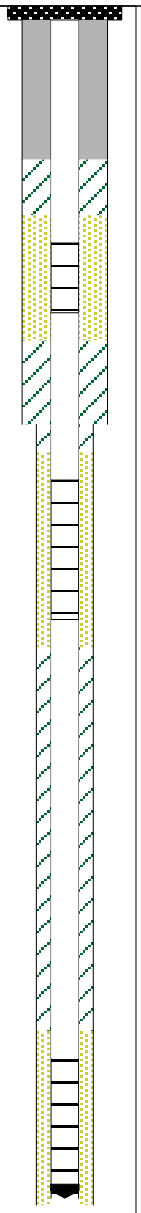
Ground Surface Elevation (ft): N/A

DEPTH (feet)	Sample No.	Location	PID Reading	DESCRIPTION	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0			0		Flush mount well vault
5			0	Red, brown sandy clay, fine, dry	
10			0		MW-49, MW-50, and MW-51 constructed with 3 separate 1", 0.01-inch slotted PVC wells within one borehole.
15			0	Brown/red sand fine, dry Dark brown, white powder, sand, fine, dry	
20			0	Brown/red micaceous saprolite, weathering, fine	
25			0		MW-49: Screen = 20-25 ft MW-49 TOC elevation: 1026.876 ft.
30			0	Brown, red micaceous weathered rock	
35			0	White/gray micaceous weathered rock	
40			0	Brown/red micaceous weathered rock White/gray micaceous weathered rock Brown/red micaceous weathered rock	MW-50: Screen = 37-47 ft MW-50 TOC elevation: 1026.787 ft.
45			0	Black, white, gray sandy weathered rock w/ gravel	
50			0		
55			0		
60			0		
65			0	Gray, white gneiss, evidence of fracturing	6" borehole from 0-50 ft bgs. 4" borehole from 50-80 ft bgs.
70			0		
75			0		
80			0		
85			0	Gray, white micaceous gneiss, evidence of fracturing	MW-51: Screen = 80-90 ft MW-51 TOC elevation: 1026.834 ft.
90			0		
95					

EPS

PROJECT: **LRM: Off-Site Delineation**	Log of Boring No. **MW-52/MW-53/MW-54**
SITE LOCATION: East Point, GA	TOP OF CASING ELEVATION (ft): See Below
DRILLING CONTRACTOR: Cascade Drilling	DATE STARTED: 9/20/2016 / DATE FINISHED: 9/21/2016
DRILLING METHOD: Rotosonic	TOTAL DEPTH (ft.): 86 / SCREEN INTERVAL (ft.): See Below
DRILLING EQUIPMENT: Sonic 10-00288	DEPTH TO WATER AT TIME OF BORING (ft.): NM / CASING (ft.): See Below
SAMPLING METHOD: Sample Sleeves	BOREHOLE DIAMETER (In.): See Below / WELL DIAMETER (In.): 1
LOGGED BY: Joe Terry/ Timmerly Bullman	

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Location	PID Reading	DESCRIPTION (Ground Surface Elevation (ft): N/A)
0			0	Asphalt
5			0	Sand w/ some silt, red, fine, dry
10			0	Silty sand w/ small gravel, brown, fine, dry
15			0	Brown silty sand
20			0	Gray sandy saprolite
25			0	Red/brown saprolite
30			0	Brown/tan, pink micaceous saprolite
35			0	Gray, tan sandy weathered rock
40			0	Dark gray weathered rock w/ some gravel
45			0	Light gray, tan weathered rock w/ large gravel
50			0	Tan/gray micaceous weathered rock w/ large gravel
55			0	Gneiss w/ orange, pink gravel
60			0	Gray weathered rock
65			0	Gray, white gneiss, evidence of fracturing
70			0	Gray, brown weathered rock
75			0	Gray, white gneiss, evidence of fracturing
80			0	Gray, white gneiss (~80% recovery)
85			0	Gray, white gneiss, evidence of fracturing
90				Gray, white gneiss
95				



WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS

Flush mount well vault

MW-52, MW-53, and MW-54 constructed with 3 separate 1", 0.01-inch slotted PVC wells within one borehole.

MW-52: Screen = 17-22 ft

MW-52 TOC elevation: 1015.555 ft.

6" borehole from 0-30 ft bgs.

MW-53: Screen = 34-44 ft

MW-53 TOC elevation: 1015.547 ft.

4" borehole from 30-86 ft bgs.

MW-54: Screen = 75.5-85.5 ft

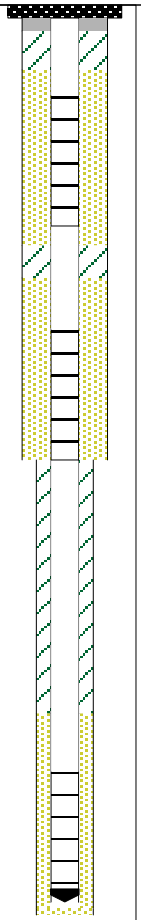
MW-54 TOC elevation: 1015.545 ft.

EPS

PROJECT: **LRM: Off-Site Delineation**		Log of Boring No. **MW-55/MW-56/MW-57**	
SITE LOCATION: East Point, GA		TOP OF CASING ELEVATION (ft): See Below	
DRILLING CONTRACTOR: Cascade Drilling		DATE STARTED: 9/19/2016	DATE FINISHED: 9/20/2016
DRILLING METHOD: Rotosonic		TOTAL DEPTH (ft.): 70	SCREEN INTERVAL (ft.): See Below
DRILLING EQUIPMENT: Sonic 10-00288		DEPTH TO WATER AT TIME OF BORING (ft.): NM	CASING (ft.): See Below
SAMPLING METHOD: Sample Sleeves		BOREHOLE DIAMETER (In.): See Below	WELL DIAMETER (In.): 1
LOGGED BY: Joe Terry			

Ground Surface Elevation (ft): N/A

DEPTH (feet)	Sample No.	Location	PID Reading	DESCRIPTION
0			0	Red/brown sand w/ gravel
5			0	Red silty sand, fine
10			0	Red/brown silty sand w/ some gravel
				Gray, white silty sand w/ some gravel
				Gray fine-grain saprolite
15			0	Brown saprolite w/ some fines
				Gray saprolite w/ micaceous clay
20				Gray weathered rock
			0	Gray clayey saprolite
25			0	Gray weathered rock w/ appreciable fines
30				Gray, brown weathered rock w/ micaceous clay
			0	No recovery
35			0	Gray, white, black gneiss, evidence of fracturing, iron staining @ ~36 ft-bgs
40			0	
45			0	Gray, white gneiss (granite, quartz), evidence of fracturing
50			0	
55			0	Gray, white gneiss (granite, quartz), evidence of fracturing, iron staining from 53-56 ft-bgs
60			0	Gray, white gneiss (granite, quartz)
				White, light gray, olive green gneiss
65			0	Dark gray, white gneiss, evidence of fracturing
70			0	
75				
80				
85				
90				
95				
100				



WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS

Flush mount well vault

MW-55, MW-56, and MW-57 constructed with 3 separate 1", 0.01-inch slotted PVC wells within one borehole.

MW-55: Screen = 7-17 ft

MW-55 TOC elevation: 1003.25 ft.

MW-56: Screen = 25-35 ft

MW-56 TOC elevation: 1003.254 ft.

6" borehole from 0-35 ft bgs.

4" borehole from 35-70 ft bgs.

MW-57: Screen = 59-69 ft

MW-57 TOC elevation: 1003.252 ft.

EPS

APPENDIX F
Treatment System Disposal Manifests

ARCADIS Design & Consultancy for natural and built assets

Tonya Wilson
City of Atlanta
DWM - Office of Watershed Protection
Division of Industrial Pretreatment
72 Marietta Street (8th Floor)
Atlanta, GA 30303

Arcadis U.S., Inc.
2410 Paces Ferry Road
#400
Atlanta
Georgia 30339
Tel 770 431 8666
Fax 770 435 2666
www.arcadis.com

Subject:
Semi-Annual Waste Disposal Report – July 2016
Lafarge Road Marking
2675 North Main Street
East Point, GA
Permit No. SG 841

ENVIRONMENT

Date:

July 11, 2016

Contact:

Christopher Miller

Phone:

404.952.1621

Email:

Christopher.Miller@arcadis.com

Our ref:

HT212446.0016.

Dear Ms. Wilson:

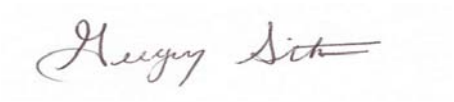
This report is being prepared on behalf of Lafarge Road Marking (LRM) in accordance with the Part VI: Special Conditions of the Groundwater Discharge Permit SG 841, dated December 15, 2012. The purpose of this report is to present the quantity, disposal site, transportation date and hauler of all liquid wastes, sludges, oil and grease removed from the site from January 2016 to June 2016. During the reporting period, a total of 4 drums of non-hazardous waste were removed from the site on May 19, 2016. The drums were generated as a result of drilling operations offsite for groundwater delineation; however, the drums were relocated to the site for storage, until the drums could be removed and disposed. In addition, a total of 1,000 gallons of hazardous waste were removed from the site on June 29, 2016. This waste was not generated via the groundwater treatment system, rather it was generated from the offgas emissions treatment system for the other remediation system currently operating onsite. The Non- Hazardous and Hazardous Waste Manifests are attached.

Mr. Ivan Jenkins (GA WW3-017395), Wastewater Class 3 operator oversees the treatment plant operations. This information is true and accurate to the best of our abilities. We are aware that there are significant penalties for submitting false information.

Please contact us at 770-384-6648 if you have any questions regarding this report and/or the treatment system operating at this location. Alternatively, you can send the assistant project manager an email at christopher.miller@arcadis.com.

Sincerely,

Arcadis U.S., Inc.



Gregory Sitomer, PE
Principal Engineer

Christopher Miller, P.G.
Assistant Project Manager

Copies:
Mr. Russell J. Dirienzo, Arcadis
Mr. Joe McCarthy, President, LRM

Enclosures:

Attachments

1 Non-Hazardous Waste Manifest

2 Uniform Hazardous Waste Manifest

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	GAD088935960	1	631-226-3044	

Generator's Name and Mailing Address
LAFARGE ROAD MARKINGS C/O INNOVATIVE RECYCLIN
2875 NORTH MARTIN STREET
EAST POINT, GA 30344
Generator's Phone: 631-226-3044

Generator's Site Address (if different than mailing address)

Transporter 1 Company Name
GEORGIA

U.S. EPA ID Number

Transporter 2 Company Name

U.S. EPA ID Number

Designated Facility Name and Site Address
ABM-AMERICAN BIO MASS
35 CLEARWATER DRIVE
WALTERBORO, SC 29488
Facility's Phone: 843-893-2580/843-599-5754

U.S. EPA ID Number
152530-2001

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	SOIL CUTTINGS NON HAZARDOUS/NON REGULATED #USW-07702	4	DM	3000	P	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
NEEDS CD SENT TO US WASTE 24 HR EMERGENCY CONTACT CHRIS MILLER 770-666-6472 AH06372

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name | Signature | Month | Day | Year

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

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name | Signature | Month | Day | Year

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

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name | Signature | Month | Day | Year

BLC-O 6 10498 (Rev. 9/09)

GENERATOR'S/SHIPPER'S INITIAL COPY

RA ENVIRONMENTAL GROUP INC
5439 - UOP051038002
5898
RYVILLE, TN 37802-5898
USA
Voice: 865-970-0005
Fax: 865-970-2074

SALES ORDER PICKING LIST

Sales Order Number: W62195
Sales Order Date: Apr 25, 2016
Ship By: Apr 25, 2016
Page: 1

F-11

To:
U.S. WASTE ACCT PAY P O BOX 2326 WALTERBORO, SC 29488

Ship To:
CHRIS MILLER 770-688-5472 LAFARGE ROAD MARKINGS 2675 MARTIN STREET EAST POINT, GA 30344

Customer ID	PO Number	Sales Rep Name
XX3166		UNASSIGNED
Customer Contact	**Shipping Method**	**Payment Terms**
ROGER L. MERCER	SPECTRA	Net 30 Days

Quantity	Item	Description	Shipped Prior	This Shipment
1.00	TRANS	LIFTGATE REQUIRED		
1.00	TRANS	LTL - STOP CHARGE FOR SITE PICKUP SERVICE GOING TO-ABM		
4.00	TRANS	LTL - SITE PICKUP SERVICE FOR DRUMS GOING TO ABM/SC - 67275		
4 DRMS	TRANS	SHIPPER - TIME IN 10:15 TIME OUT 10:45 Charge demurrage if over one hour loading - Notify USW of Pickup 5-19 Shipper agrees to be responsible for any cost if load does not meet EPA & DOT requirements ROGER- 800-669-9552- CELL 843-909-6513 - CALLED TO SCHEDULE ON 5-13 Approved 5-16		

5-19-16

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

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: GAD088935960
2. Page 1 of
3. Emergency Response Phone: 631-225-3014
4. Manifest Tracking Number: 012445061 JJK

GENERATOR

5. Generator's Name and Mailing Address: Lafarge Road Marking, 2675 R.W. Martin St, East Point GA 30344

Generator's Site Address (if different than mailing address): 631-225-3014

Generator's Phone:

6. Transporter 1 Company Name: MEI — U.S. EPA ID Number: TND000196047

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

8. Designated Facility Name and Site Address: Giant Resource + Recovery, 1229 Valley drive, Attalla AL 35954 — U.S. EPA ID Number: ALD070513767

Facility's Phone:

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. ~~Waste Flammable Liquids~~ NR ~~Class UN1993 PG II~~	~~NR 001~~	~~NR VT~~	~~NR 1000~~	~~NR G~~	
	2. UN1993, RQ, WASTE Flammable Liquids, N.O.S. (Toluene/Xylene), 3, PGII, ERG-128, D001	001	VT	1000	G	
	3.					
	4.					

14. Special Handling Instructions and Additional Information: Arrive 800, Dept 1030

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

Generator's/Offeror's Printed/Typed Name: Ivan Jenkins as agent for Lafarge Road Marking — Signature: Ivan Jenkins as agent for Lafarge Road Marking — Month: 06 Day: 29 Year: 16

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: George Rodabush — Signature: George Rodabush — Month: 6 Day: 29 Year: 16

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

DESIGNATED FACILITY

18. Discrepancy

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

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

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

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

1.	2.	3.	4.

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

Printed/Typed Name — Signature — Month: Day: Year:

GENERATOR'S INITIAL COPY

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

Tonya Wilson
City of Atlanta
DWM - Office of Watershed Protection
Division of Industrial Pretreatment
72 Marietta Street (8th Floor)
Atlanta, GA 30303

Arcadis U.S., Inc.
1000 Cobb Place Blvd.
Bldg. 500-A
Kennesaw
Georgia 30144
Tel 770 428 9009
Fax 770 428 4004
www.arcadis.com

Subject:
Semi-Annual Waste Disposal Report – January 2016
Lafarge Road Marking
2675 North Main Street
East Point, GA
Permit No. SG 841

ENVIRONMENT

Date:

March 11, 2016

Contact:

Christopher Miller

Phone:

404.952.1621

Email:

Christopher.Miller@arcadis.com

Our ref:

HT212446.0015.

Dear Ms. Wilson:

This report is being prepared on behalf of Lafarge Road Marking (LRM) in accordance with the Part VI: Special Conditions of the Groundwater Discharge Permit SG 841, dated December 15, 2012. The purpose of this report is to present the quantity, disposal site, transportation date and hauler of all liquid wastes, sludges, oil and grease removed from the site from July 2015 to December 2015. During the reporting period, no wastes were removed from the site.

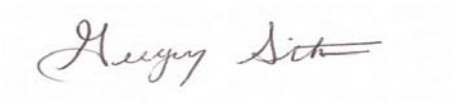
However, a total of 1500 gallons of hazardous waste were removed from the site on June 3, 2015, and was inadvertently not included in the July 2015 Semi-Annual Waste Disposal Report. The Hazardous Waste Manifest is attached. This waste was not generated via the groundwater treatment, rather it was generated from the offgas emissions treatment system for the other remediation system currently operating onsite.

Mr. Ivan Jenkins (GA WW3-017395), Wastewater Class 3 operator oversees the treatment plant operations. This information is true and accurate to the best of our abilities. We are aware that there are significant penalties for submitting false information.

Please contact us at 404-952-1621 if you have any questions regarding this report and/or the treatment system operating at this location. Alternatively, you can send the assistant project manager an email at christopher.miller@arcadis-us.com.

Sincerely,

Arcadis U.S., Inc.



Gregory Sitomer, PE
Senior Engineer

Christopher Miller, P.G.
Assistant Project Manager

Copies:
Mr. Russell J. Dirienzo, Arcadis
Mr. Joe McCarthy, President, LRM

Enclosures:

Attachments

1 Uniform Hazardous Waste Manifest

18378

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

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	GAD088935960		631-225-3044	010668188 JJK

GENERATOR

5. Generator's Name and Mailing Address

LAFARGE ROAD MARKINGS C/O INNOVATIVE RECYCLIN
2675 NORTH MARTIN STREET
EAST POINT, GA 30344

Generator's Phone: 631-225-3044

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: MEI — U.S. EPA ID Number: TNR000019604

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

8. Designated Facility Name and Site Address

GIANT RESOURCE RECOVERY (AL)
1229 VALLEY DRIVE
ATTALLA, AL 25954

Facility's Phone: 800-637-4023

U.S. EPA ID Number: ALD070513767

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
x	1. UN1993,RQ,WASTE FLAMMABLE LIQUID,N.O.S. (TOLUENE/XYLENE),3,PGII,ERG-128 #61952		~~DM~~	1500	G	D001	F002	F003
						F005		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information

NEEDS CONSENT TO US WASTE 24 HR EMERGENCY CONTACT IVAN JENKINS 678-576-1135 AH05227
INNOVATIVE RECYCLING

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

Generator's/Offeror's Printed/Typed Name: Ivan Jenkins as agent for Lafarge Road Marking — Signature: Ivan Jenkins as agent for Lafarge Road Marking — Month: 06 Day: 03 Year: 2015

INT'L

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

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Donnie Kilgore — Signature — Month: 6 Day: 3 Year: 15

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

DESIGNATED FACILITY

18. Discrepancy

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

(11) Rec. 1189 G.

Manifest Reference Number:

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

Facility's Phone:

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

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

1.	2.	3.	4.
H061			

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

Printed/Typed Name: Jonatan Brown — Signature: Jonatan Brown — Month: 06 Day: 03 Year: 15

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

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)