CLEARWATER ENVIRONMENTAL RESOURCES, LLC

SEMI-ANNUAL
PROGRESS REPORT NO. 3
VOLUNTARY REMEDIATION PROGRAM

RAYLOC FACILITY
600 RAYLOC DRIVE
FULTON COUNTY
ATLANTA, GEORGIA
HSI SITE # 10547

CLEARWATER PROJECT NO. 1502-1-3

Prepared For:

Genuine Parts Company
2999 Circle 75 Parkway
Atlanta, Georgia 30339

Prepared By:

Clearwater Environmental Resources, LLC
3870 Peachtree Industrial Boulevard
Suite 340139
Duluth, Georgia 30096

APRIL 9, 2015

CLEARWATER ENVIRONMENTAL RESOURCES, LLC

April 9, 2015

Mr. Allan C. Nix, P.G.
Georgia Department of Natural Resources
Georgia EPD Response and Remediation Program (GAEPD)
2 Martin Luther King Jr. Dr., SE, STE 1462 East
Atlanta, GA 30334

Subject: **Semi-Annual Progress Report No. 3**
Voluntary Remediation Program
Rayloc Facility
600 Rayloc Drive, SW
Atlanta, Fulton County, Georgia 30336
HSI #10547
Clearwater Project No. 1502-1-3

Dear Mr. Nix:

Clearwater Environmental Resources, LLC (Clearwater), under contract to Genuine Parts Company (GPC), respectfully submits this 3rd Semi-Annual Progress Report for the Rayloc facility. This report describes the actions taken at the site since the 2nd Semi-Annual Progress Report submitted on October 11, 2014.

Clearwater appreciates the opportunity to provide this Progress Report. Please feel free to contact me at (678) 491-4601 or jack.wintle@clearwaterenv.net or Mr. Bob Lewis with Genuine Parts Company at (404) 858-2564 if you have any questions regarding our report.

Sincerely,
Clearwater Environmental Resources, LLC

Jack A. Wintle, P.G.
Senior Environmental Geologist

cc: Mr. Bob Lewis, Genuine Parts Company
Mr. Douglas E. Cloud, Kazmarek Mowrey Cloud Laseter LLP

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1.0 INTRODUCTION

A Voluntary Remediation Plan (VRP) for the Rayloc facility located at 600 Rayloc Drive in Atlanta, Fulton County, Georgia, was received by the Georgia Environmental Protection Division Response and Remediation Program (GAEPD) on January 15, 2013 and conditionally approved by the GAEPD on October 11, 2013. In order to evaluate the progress of the voluntary clean-up efforts, semi-annual progress reports are required. Please refer to Figure 1 for a Site Aerial Map for the location of the site.

The remedial activities include the continuation of the treatment of contaminated soil and groundwater in and near the former waste pit area using gas-infusion technology with the objective of achieving Type 3 Risk Reduction Standards (RRS) in both of these mediums. Further, Clearwater has initiated an Air Sparge/Soil Vapor Extraction system including the gas-infusion technology to the only area of impact identified within the former Rayloc building to effect the same result.

2.0 MILESTONES COMPLETED SINCE OCTOBER 10, 2014

Since October 10, 2014, GPC has completed the investigation in the former Parts Disassembly and Cleaning Area (PDA) of the former Rayloc building. Impact to the soil was detected in this area during the initial investigation and additional investigation was conducted to delineate the impact.

2.1 Former Parts Disassembly and Cleaning Area Additional Investigation

During the initial subsurface investigation to address the Prospective Purchaser Corrective Action Plan (PPCAP) findings, volatile organic compounds (VOCs) were detected in the soil in the PDA. Refer to Semi-Annual Progress Report #1 for more detail. Additional delineation sampling was conducted in this area to assist in determining the most effective remedial option.

Five (5) additional locations (WD-8 through -12) were investigated using direct-push technology and two soil samples were collected from each boring for analysis of VOCs based on photoionization detector (PID) results.

Results of the delineation sampling indicates that the majority of the impact is contained in the top ten (10) feet with minor detections in several 20-foot samples. Please refer to Figures 2 and 3 for maps showing the VRP Investigation Map and the Parts Disassembly Area Investigation Map, respectively. Table 1 shows the Parts Disassembly Area PID Survey, Table 2 shows the Parts Disassembly Area Investigation Results. Laboratory data for samples collected from borings WD-8 through 12 is located in Appendix A.

2.2 Installation of New Injection Wells in the Source Area

Based on the results of the sentinel well sampling in the Source Area it was clear that additional injection wells were necessary to enhance the remediation of the groundwater. An additional seven (7) groundwater injection wells (A1-I17 through A1-I23) were installed in the Source Area. Please refer to Figure 5 for the location of the new injection wells and Appendix B for the Injection Well Construction Schematics.

3.0 MILESTONES IN-PROGRESS OR TO BE COMPLETED

The milestones that are either in-progress or to be completed at the Rayloc property are outlined in the following sections.

3.1 Former Parts Disassembly and Cleaning Area AS/SVE Remedial System

In order to provide the most effective corrective action necessary to bring the source material identified during the VRP investigation within the former Rayloc building to within Type 3 or Type 4 RRSs, Clearwater and the remedial contractor eGeo Services have implemented an Air Sparge(AS)/Soil Vapor Extraction (SVE) system within the PDA of the former Rayloc building.

Clearwater installed eight (8) injection wells and eleven (11) extraction wells to depths ranging from 10 to 15 feet in depth (depending on the impact identified in that location) within the treatment zone in an array that was calculated to provide the best results.

The treatment zone is approximately 1,400 square feet in surface area and contains approximately 520 pounds of tetrachloroethene (PCE). The SVE process involves inducing airflow in the subsurface with an applied vacuum, thus enhancing in situ volatilization of contaminants. eGeo Services has developed a modified SVE technology that includes injection of treatment gas, comprised of nitrogen and hydrogen in the range 2-4%, to induce reductive dechlorination of PCE; nitrogen creates an anaerobic environment, and hydrogen is the electron donor in the reductive reaction. The technology was recently tested in pilot scale using 2 injection wells and 5 vacuum extraction wells in the Rayloc Source Area. The results of the source area pilot study have been used to design the proposed PDA area AS/SVE system. The remediation system includes 11 vacuum extraction wells and 8 gas injection wells. Activated carbon is being used to treat the SVE effluent. The extraction vapor is being processed through an air-water separator, an air cooled heat exchanger, followed by fixed bed adsorber vessel. Please refer to Figure 4 for the PDA AS/SVE Remedial System Map showing the injection/extraction array.

Clearwater will collect verification soil samples from the same locations within the PDA area previously sampled to compare results. This will allow eGeo Services to adjust injection or extraction flows and/or gas concentrations to provide more effective remediation of the impact. Clearwater has scheduled collection of the first verification soil sampling event two months after initiation of the AS/SVE system and based on the results we will determine the sampling frequency required.

3.2 Source Area eGeo Remedial System

During the first quarter of 2015, 7 new injection wells were added to the groundwater remediation system; 5 in the source zone (Area 1) and 2 in the lower zone (Area 2). With the supplemental wells online, there are now 13 injection wells in Area 1, 11 in Area 2, and 4 in Area 3. The new wells are intended to increase the mass of reagents in the treatment zones.

In December 2014, Clearwater collected groundwater samples to assist eGeo Services determine the biochemical conditions that were limiting daughter product formation. The analysis included:

- Volatile Fatty Acids – Acetic, Butyric, Isobutyric, Isovaleric, Propionic, Valeric
- Nitrogen, Nitrate Nitrite (as N)
- Dissolved Metals – Iron, Manganese
- Ion Scan – Chloride, Sulfate
- Ethane, Ethylene, Methane
- Alkalinity, Total as CaCO3
- Metals, total – Iron, Manganese

It was suspected that methanogens were overtaking the supply of electrons, thus limiting the success of reductive dehalogenation. The analytic results confirmed that in several areas methane was being produced, there is a deficiency of organic acids in many areas, and the alkalinity is lower than optimal for biotic production over a large percent of the treatment zone. Iron and sulphate reduction does not appear to be a significant competing process.

The injection of hydrogen was reduced in January to force a decline in the methanogens population. The results of the March 2015 groundwater sampling and analysis indicates the process modification caused the intended decline, as the ORP in several key areas has been reduced substantially during this quarter. The increased production of the CIS-1,2 Dichloroethene daughter product is further evidence that geochemical conditions have been successfully modified.

The gas injection flow rates have been consistently set in the range 1.0 to 2.0 cubic feet per hour (cfh) for each injection well. The remedial operations have been in compliance with the permit conditions, and no variance is anticipated.

During this quarter, in addition to system modifications for the 7 new injection wells, ongoing system maintenance was performed including replacing HDPE tubing as required, removing and cleaning the fine bubble diffusers from each injection well, and upgrading well head fittings. There were some injection wells that had significant sediment accumulated, and in some instances the diffusers were bio-fouled. The renovated injection wells should be more productive going forward.

The analytic data is illustrated graphically in Appendix E, by location. In general, a clear improvement in ORP has been achieved in all but MW-19, which is attributed to maintenance issues. The result is a substantial increase in CIS-1,2 daughter product formation. The 35 to 65 % reduction in PCE concentrations is very encouraging. The increase in PCE in other areas is likely the result of continued release from saturated soils; it should be noted that the magnitude of this release spiking is diminishing over time.

There are several key factors that influence the performance of the groundwater remediation system; geologic variability, magnitude of PCE concentration, proximity of injection well arrays to monitoring wells, density of injection wells relative to PCE hot spots, and competing physical and chemical mechanisms. Ongoing sampling and analysis has provided valuable data that has driven decisions now yielding improved results.

It is anticipated that the influence of the additional injection wells will be evident in the next round of groundwater sampling. During this quarter, additional analysis and process modifications will be proposed in an attempt replicate the optimal conditions extant in the area of PT-3 throughout the treatment zone.

Please refer to Table 3 for the eGeo Groundwater Sampling Results, Table 4 for a table showing the eGeo System Gas Injection Process Performance and Appendix E for the eGeo System Analytical Trends. The groundwater sampling logs are located in Appendix C and the laboratory data for this period is located in Appendix D.

3.3 Complete Horizontal and Vertical Delineation

Although much of the impacted groundwater has been delineated, Clearwater is in the process of further delineating the groundwater impact as well as delineating the soil impact at the Rayloc property. The soil impact within the Rayloc building has been identified and is being addressed as previously discussed. Please refer to Figure 5 for a map showing the ongoing soil delineation efforts.

3.4 Source Area Vadose Zone Pilot Study

In the unsaturated soil area immediately above the groundwater table, gas injection has limited effectiveness because of the low rate of diffusion through the soil matrix as compared to the saturated zone. Therefore, it is necessary to draw the injected gas through the soil from injection wells to vacuum extraction wells. This requires design of injection and extraction sub systems to achieve the soil remediation objectives. A pilot study was initiated in April 2014 to evaluate the effectiveness of the SVE process at the Rayloc site, and develop the basis for design of a full scale system.
Results of the pilot SVE process in the Source Area indicates that while some locations are not showing a reduction in PCE concentrations, overall the trend is positive with some locations responding quickly, especially those locations within the immediate SVE radius. Clearwater and eGeo Services will continue monitoring this process in the Source Area and making adjustments as needed to effect the necessary results.

3.5 Vapor-Intrusion Investigation (Rayloc Building)

Soil-vapor samples will be collected from locations within the Rayloc building to determine whether chlorinated solvents in the site groundwater may have migrated to the building area. These samples will be collected upon completion of the remediation of the impact in the Parts Disassembly & Cleaning Area. This Area is located in an unused area of the Rayloc building, away from any currently used areas. The only area being consistently used currently is the high ceilinged warehouse where the trucks are loaded and unloaded through bay doors using forklifts.

4.0 CERTIFICATIONS

4.1 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 geologist who is registered with the 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."

Please refer to Table 5 for a Summary of Professional Oversight Hours.

Jack A. Wintle P.G.
Senior Environmental Geologist

Date: April 9, 2015

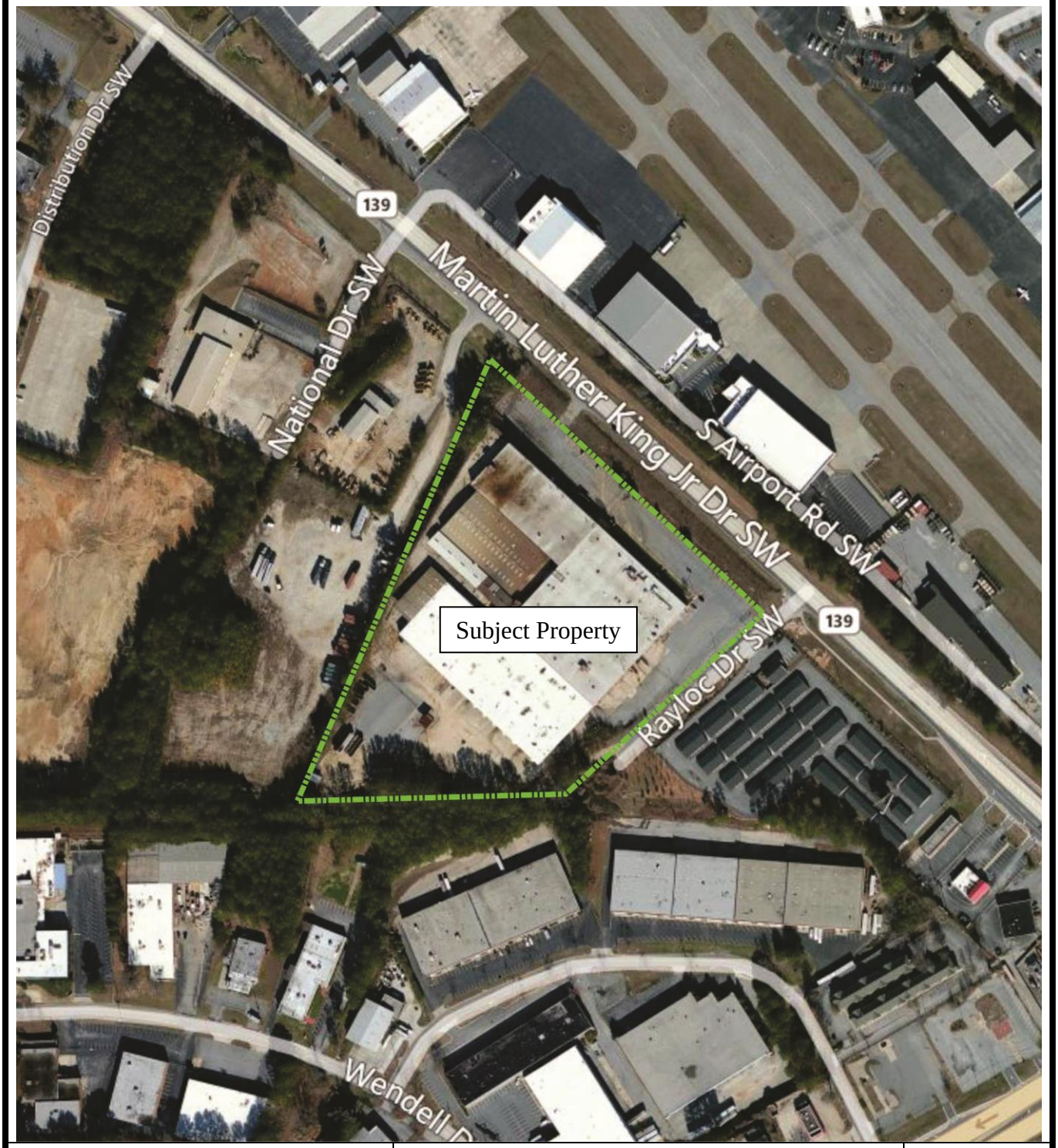
Geologist Seal

4.2 CD/DVD Certification

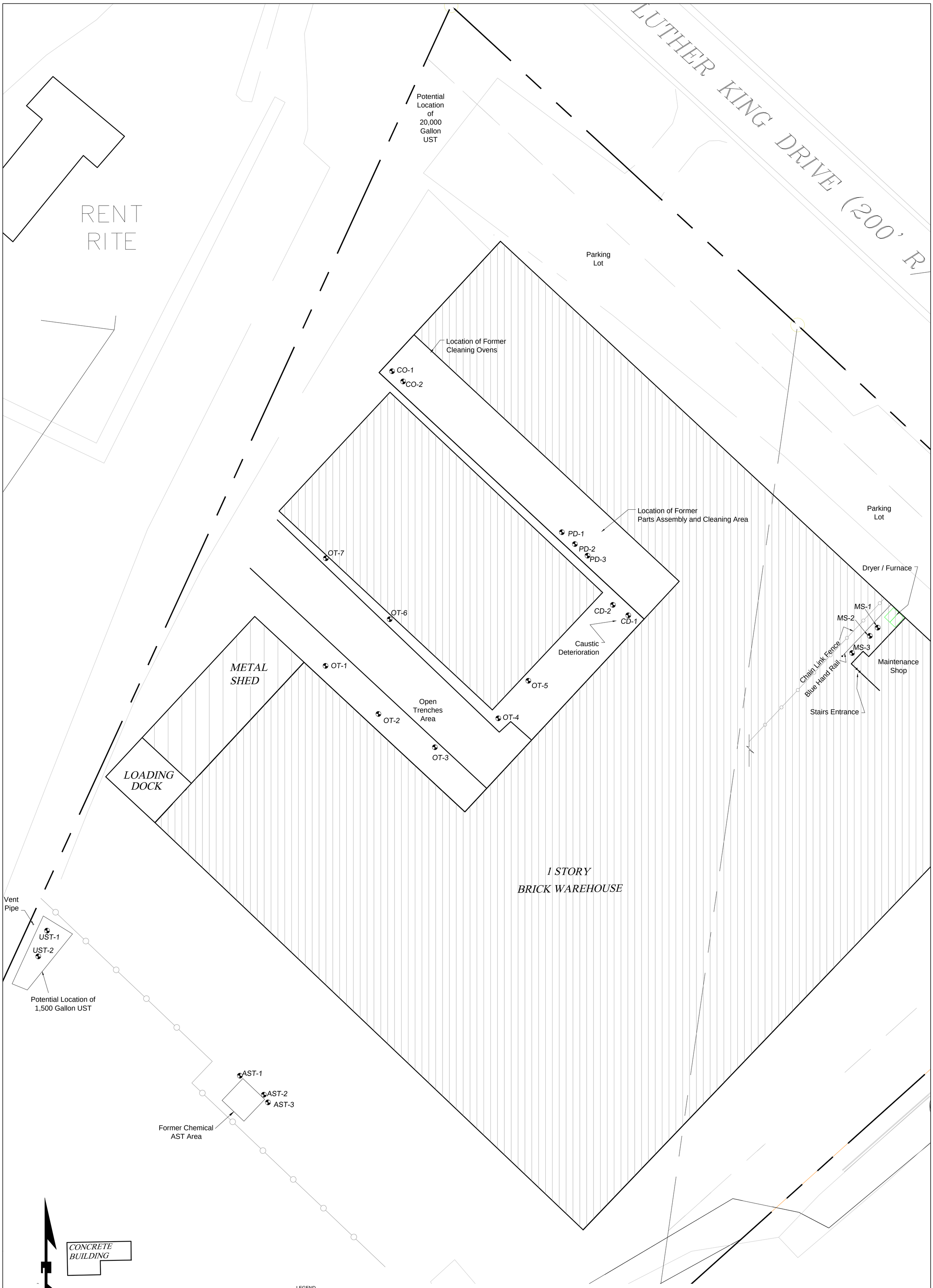
Clearwater Environmental Resources, LLC (Clearwater) certifies that this electronic copy of the report identified below is complete, identical to the paper copy, and virus free.

Jack A. Wintle, P.G.
Senior Environmental Geologist

FIGURES



Legend		Figure 1 – Site Aerial Map	Scale
Map Source: Google Earth	N	**Rayloc Facility** **600 Rayloc Drive** **Atlanta, Fulton County, Georgia**	NTS
Map Date: 10-31-2012		**CLEARWATER ENVIRONMENTAL RESOURCES, LLC** **3870 Peachtree Industrial Boulevard** **Suite 340139** **Duluth, Georgia 30096**	
Project No.: **1502-1-3**	JAW		

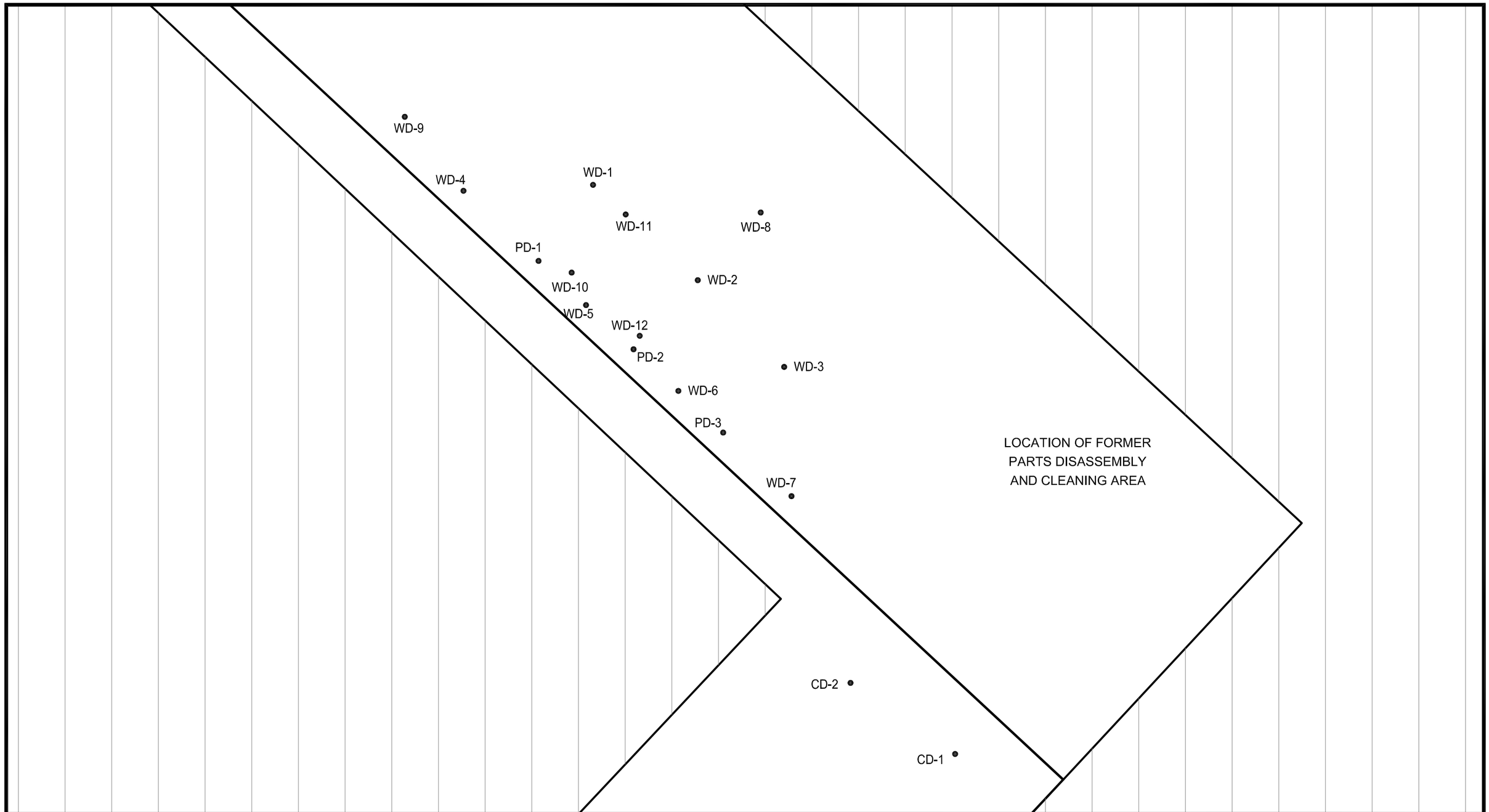


CLEARWATER ENVIRONMENTAL RESOURCES, LLC	Drawing: Rayloc_Fig2_03292015.DWG	FIGURE 2
	Revision #: 0	VRP INVESTIGATION MAP
	Date: 04/2015	RAYLOC FACILITY
	Project #: 1502-1-3	MARCH 2015

Rayloc_Fig2_03292015.dwg

Clearwater Environmental Resources, LLC
March 2015

Genuine Parts Company
Atlanta, GA



LEGEND

Soil Sample Boring

Building Boundary Line

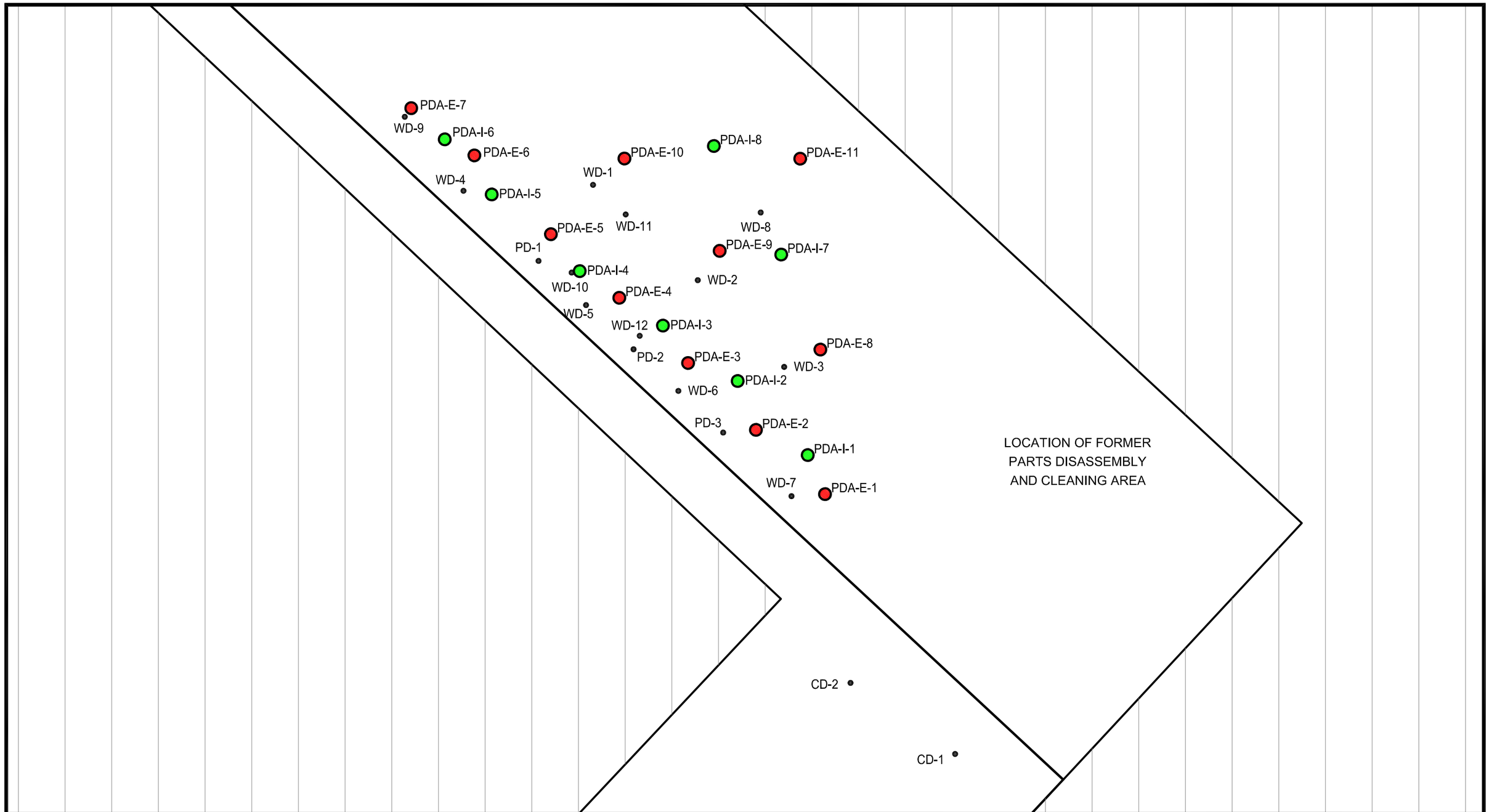
0 5' 10'

Approximate Scale In Feet

N

CLEARWATER ENVIRONMENTAL RESOURCES, LLC	*Drawing:*	Rayloc_Fig2_03292015.DWG	FIGURE 3
	Revision #:	0	PARTS DISASSEMBLY AREA INVESTIGATION MAP
	Date:	04/2015	RAYLOC FACILITY
	Project #:	1502-1-3	MARCH 2015

Rayloc_Fig2_03292015.dwg



LEGEND

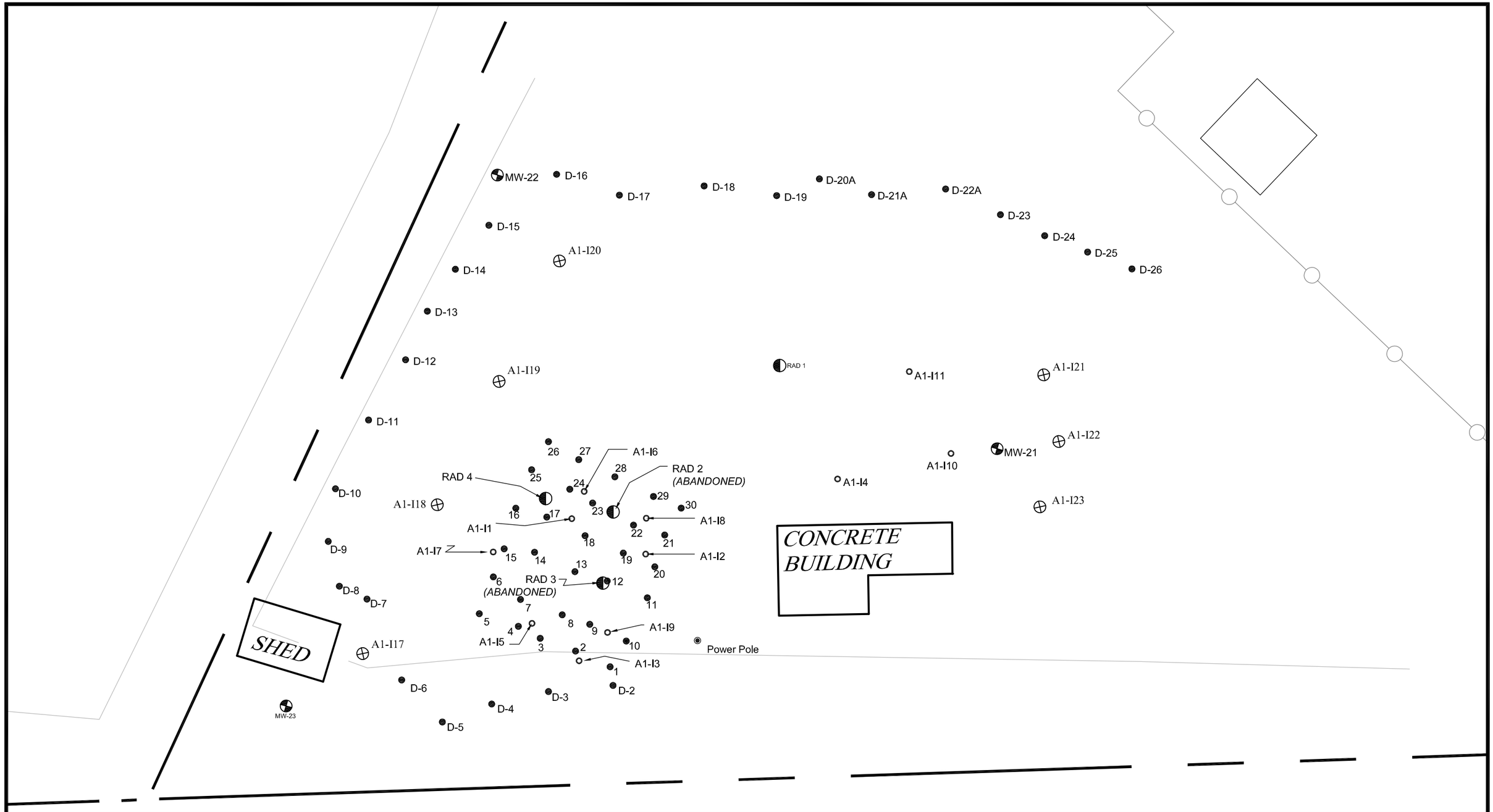
WD-3	Soil Boring
PDA-I-2	Injection Well
PDA-E-1	Extraction Well

0 5' 10'
Approximate Scale In Feet

N

CLEARWATER ENVIRONMENTAL RESOURCES, LLC	*Drawing:* Rayloc_Fig2_03292015.DWG	FIGURE 4
	Revision #: 0	PDA AS/SVE REMEDIAL SYSTEM MAP
	Date: 04/2015	RAYLOC FACILITY
	Project #: 1502-1-3	MARCH 2015

Rayloc_Fig2_03292015.dwg



LEGEND

- New GW Injection Well
- GW Injection Well
- Soil Sample Boring
- Bedrock Monitoring Well
- Monitoring Well
- Property Line

0 12.5' 25'
Approximate Scale In Feet

N

Drawing:	1221 GPC.DWG
Revision #:	1
Date:	03/03/2015
Project #:	1502-1-3

CLEARWATER ENVIRONMENTAL RESOURCES, LLC

FIGURE 5

SOURCE AREA INVESTIGATION MAP

RAYLOC FACILITY

MARCH 2015

Rayloc_Fig2_03292015.dwg

TABLES

TABLE 1
Parts Disassembly Area PID Survey
Semi-Annual Progress Report #3
Atlanta, Fulton County, Georgia
HSI# 10547

Sample ID	Date	Depth (FT)	Result (PPM)
PD-1	1/15/2014	2	15,000
		5	3,609
		10*	15,000
PD-2	1/15/2014	2	31.9
		5	42.4
		10*	57.1
PD-3	1/15/2014	2*	58.6
		5	171.1
		10*	20.5
WD-1	8/28/2014	5*	89.3
		10	74.1
		15	39.5
		20*	10.1
WD-2	8/28/2014	5	400.2
		10*	15,000
		15	11.1
		20*	44.3
WD-3	8/28/2014	5*	40.1
		10	25.6
		15	2.5
		20*	10.1
WD-4	8/28/2014	5	106.8
		10	15,000
		15	87.3
		20	13.6
WD-5	8/28/2014	5*	30.8
		10	8.7
		15	4.8
		20	2.4
		25	1.0
		30*	0.8
WD-6	8/28/2014	5*	61.3
		10	19.8
		15	6.1
		20	31.1
		25	4.7
		30*	5.6
WD-7	8/28/2014	5*	182.6
		10	16.7
		15	10.0
		20*	11.8

Sample ID	Date	Depth (FT)	Result (PPM)
WD-8	11/17/2014	5*	1,117
		10	12.8
		15	2.8
		20*	0.6
WD-9	11/17/2014	5*	106
		10	57
		15	2.8
		20*	0.4
WD-10	11/17/2014	5	389
		10*	15,000
		15	37.1
		20	3.5
		25	3.9
		27*	7.8
WD-11	11/17/2014	5	202.6
		8	13,251
		10*	15,000
		15	42.9
		20	81.0
		22*	11.4
WD-12	11/17/2014	5	74
		10	41
		15*	74.9
		20	16.3
		22.5*	7.9

* - denotes sample chosen for laboratory analysis.

Table 2
Parts Disassembly Area Investigation Results
Semi-Annual Progress Report #3
Atlanta, Fulton County, Georgia
HSI# 10547

Sample Location	**PD-1**	**PD-2**	**PD-3**	**PD-3**	**WD-1**	**WD-1**	**WD-2**	**WD-2**	**WD-3**	**WD-3**	**WD-4**	**WD-4**	**WD-5**	**WD-5**	**WD-6**	**WD-6**
Sample Date	**1/14/2014**	**1/14/2014**	**1/14/2014**	**1/14/2014**	**8/28/2014**	**8/28/2014**	**8/28/2014**	**8/28/2014**	**8/28/2014**	**8/28/2014**	**8/28/2014**	**8/28/2014**	**8/28/2014**	**8/28/2014**	**8/28/2014**	**8/28/2014**
Sample Depth	**10'**	**10'**	**2'**	**10'**	**5'**	**20'**	**10'**	**20'**	**5'**	**20'**	**10'**	**20'**	**5'**	**30'**	**5'**	**30'**
1,2,4-Trimethylbenzene	0.404	0.943	0.387	0.098	< 0.151	< 0.247	< 33.6	< 0.220	< 0.187	< 0.180	< 46.5	< 0.302	< 0.412	< 0.270	< 0.134	< 0.003
1,2-Dichlorobenzene	--	--	--	--	< 0.151	< 0.247	< 33.6	< 0.220	< 0.187	< 0.180	< 46.5	< 0.302	< 0.412	< 0.270	< 0.134	< 0.003
1,2-Dichloroethane	0.404	0.943	0.387	0.098	< 0.151	< 0.247	< 33.6	< 0.220	< 0.187	< 0.180	< 46.5	< 0.302	< 0.412	< 0.270	< 0.134	< 0.003
1,2-Dichloroethene	--	--	--	--	**7.90**	< 0.493	< 67.2	0.745	< 0.374	< 0.360	< 93.0	< 0.605	4.78	< 0.541	7.42	0.035
1,3,5-Trimethylbenzene	0.404	0.943	0.387	0.098	< 0.151	< 0.247	< 33.6	< 0.220	< 0.187	< 0.180	< 46.5	< 0.302	< 0.412	< 0.270	< 0.134	< 0.003
1,4-Dichlorobenzene	0.404	0.943	0.387	0.098	< 0.151	< 0.247	< 33.6	< 0.220	< 0.187	< 0.180	< 46.5	< 0.302	< 0.412	< 0.270	< 0.134	< 0.003
2-Butanone	0.404	0.943	0.387	0.098	< 0.151	< 0.247	< 33.6	< 0.220	< 0.187	< 0.180	< 46.5	< 0.302	< 0.412	< 0.270	< 0.134	< 0.003
Acetone	**2.02**	**4.72**	**1.93**	0.492	< 0.151	< 1.23	< 168	< 1.10	< 0.936	< 0.900	< 232	< 1.51	< 2.06	< 1.35	< 0.672	< 0.016
Benzene	0.404	0.943	0.387	0.098	< 0.151	< 0.247	< 33.6	< 0.220	< 0.187	< 0.180	< 46.5	< 0.302	< 0.412	< 0.270	< 0.134	< 0.003
Bromomethane	--	--	--	--	< 0.151	< 0.247	< 33.6	< 0.220	< 0.187	< 0.180	< 46.5	< 0.302	< 0.412	< 0.270	< 0.134	< 0.003
Carbon Disulfide	--	--	--	--	< 0.151	< 0.247	< 33.6	< 0.220	< 0.187	< 0.180	< 46.5	< 0.302	< 0.412	< 0.270	< 0.134	< 0.003
Cis-1,2-dichloroethene	1.73	6.79	**40.2**	0.415	3.46	< 0.247	**< 33.6**	0.729	0.281	< 0.180	**< 46.5**	< 0.302	4.74	< 0.270	**7.26**	0.035
Ethylbenzene	0.404	0.943	0.387	0.098	< 0.151	< 0.247	< 33.6	< 0.220	< 0.187	< 0.180	< 46.5	< 0.302	< 0.412	< 0.270	< 0.134	< 0.003
m,p-Xylene	--	--	--	--	< 0.151	< 0.247	< 33.6	< 0.220	< 0.187	< 0.180	< 46.5	< 0.302	< 0.412	< 0.270	< 0.134	< 0.003
o-Xylene	--	--	--	--	< 0.151	< 0.247	< 33.6	< 0.220	< 0.187	< 0.180	< 46.5	< 0.302	< 0.412	< 0.270	< 0.134	< 0.003
Naphthalene	0.404	0.943	0.387	0.098	< 0.151	< 0.247	< 33.6	< 0.220	< 0.187	< 0.180	< 46.5	< 0.302	< 0.412	< 0.270	< 0.134	< 0.003
Styrene	0.404	0.943	0.387	0.098	< 0.151	< 0.247	**< 33.6**	< 0.220	< 0.187	< 0.180	< 46.5	< 0.302	< 0.412	< 0.270	< 0.134	< 0.003
Tetrachloroethene	**115**	**103**	**48.7**	**1.02**	**4.89**	0.425	**1,670**	**7.87**	**1.04**	0.484	**2,190**	0.360	**75.5**	0.357	< 0.134	0.025
Toluene	0.404	0.943	0.387	0.098	< 0.151	< 0.247	< 33.6	< 0.220	< 0.187	< 0.180	< 46.5	< 0.302	< 0.412	< 0.270	< 0.134	< 0.003
Trichloroethene	**1.69**	**21.5**	**3.74**	0.179	**1.4**	< 0.247	**< 33.6**	**0.727**	0.274	< 0.180	**< 46.5**	< 0.302	**1.67**	< 0.270	0.235	0.007
Vinyl Chloride	**0.404**	**0.943**	**0.387**	0.098	< 0.151	**< 0.247**	**< 33.6**	**< 0.220**	< 0.187	< 0.180	**< 46.5**	**< 0.302**	**< 0.412**	**< 0.270**	**0.211**	< 0.003
Xylenes, Total	0.807	1.89	0.835	0.197	< 0.301	< 0.493	< 67.2	< 0.440	< 0.374	< 0.360	< 93.0	< 0.605	< 0.825	< 0.541	< 0.269	< 0.006

Notes:
Matrix: soil
Units: mg/kg
Indicates detection of compound greater than Type III HSRA RRS .

WD-7	WD-7	WD-8	WD-8	WD-9	WD-9	WD-10	WD-10	WD-11	WD-11	WD-12	WD-12	Type III RRS
8/28/2014	8/28/2014	11/17/2014	11/17/2014	11/17/2014	11/17/2014	11/17/2014	11/17/2014	11/17/2014	11/17/2014	11/17/2014	11/17/2014	
5'	20'	5'	20'	5'	20'	10'	27'	10'	22'	15'	22.5'	
< 0.267	< 0.004	<1.26	<0.00561	<0.250	<0.0049	<5.85	<0.0058	<0.925	<0.302	<0.291	<0.0070	NA[2]
< 0.267	< 0.004	<1.26	<0.00561	<0.250	<0.0049	<5.85	<0.0058	<0.925	<0.302	<0.291	<0.0070	NA[2]
< 0.267	< 0.004	<1.26	<0.00561	<0.250	<0.0049	<5.85	<0.0058	<0.925	<0.302	<0.291	<0.0070	NA[2]
12.5	0.219	<2.53	0.019	1.96	<0.0099	<11.7	0.039	<1.85	0.66	1.74	0.134	NA[2]
< 0.267	< 0.004	<1.26	<0.00561	<0.250	<0.0049	<5.85	<0.0058	<0.925	<0.302	<0.291	<0.0070	NA[2]
< 0.267	< 0.004	<1.26	<0.00561	<0.250	<0.0049	<5.85	<0.0058	<0.925	<0.302	<0.291	<0.0070	NA[2]
< 0.267	< 0.004	<1.26	<0.00561	<0.250	<0.0049	<5.85	<0.0058	<0.925	<0.302	<0.291	<0.0070	200
< 1.33	< 0.025	<6.32	<0.028	<1.25	<0.025	<29.3	<0.029	<4.62	<1.51	<1.45	<0.035	400
< 0.267	< 0.004	<1.26	<0.00561	<0.250	<0.0049	<5.85	<0.0058	<0.925	<0.302	<0.291	<0.0070	NA[2]
< 0.267	< 0.004	<1.26	<0.00561	<0.250	<0.0049	<5.85	<0.0058	<0.925	<0.302	<0.291	<0.0070	NA[2]
< 0.267	< 0.004	<1.26	<0.00561	<0.250	<0.0049	<5.85	<0.0058	<0.925	<0.302	<0.291	<0.0070	NA[2]
10.3	0.216	<1.26	0.019	1.96	0.00616	<5.85	0.039	1.57	0.66	1.72	0.133	7
< 0.267	< 0.004	<1.26	<0.00561	<0.250	<0.0049	<5.85	<0.0058	<0.925	<0.302	<0.291	<0.0070	70
< 0.267	< 0.004	<1.26	<0.00561	<0.250	<0.0049	<5.85	<0.0058	<0.925	<0.302	<0.291	<0.0070	NA[2]
< 0.267	< 0.004	<1.26	<0.00561	<0.250	<0.0049	<5.85	<0.0058	<0.925	<0.302	<0.291	<0.0070	NA[2]
< 0.267	< 0.004	<1.26	<0.00561	<0.250	<0.0049	<5.85	<0.0058	<0.925	<0.302	<0.291	<0.014	NA[2]
< 0.267	< 0.004	<1.26	<0.00561	<0.250	<0.0049	<5.85	<0.0058	<0.925	<0.302	<0.291	<0.0070	14
< 0.267	0.321	**60.6**	0.037	**1.38**	<0.0049	**327**	0.04	**150**	**10.9**	**7.13**	0.038	0.5
< 0.267	< 0.004	<1.26	<0.00561	<0.250	<0.0049	<5.85	<0.0058	<0.925	<0.302	<0.291	<0.0070	100
< 0.267	0.065	<1.26	0.037	**0.604**	<0.0049	<5.85	0.01	**2.24**	**0.675**	**2.02**	0.023	0.5
1.92	< 0.005	<1.26	<0.00561	<0.250	<0.0049	<5.85	<0.0058	<0.925	<0.302	<0.291	<0.0070	0.2
< 0.534	< 0.009	<2.53	<0.011	<0.500	<0.0099	<11.7	<0.012	<1.85	<0.605	<0.581	<0.014	1,000

Table 3
eGeo System Groundwater Sampling Results
Semi-Annual Progress Report #3
HSI Site Numbers 10547
Atlanta, Georgia

Sample Location	Date	1,1-Dichloroethane	1,1-Dichloroethene	Acetone	Benzene	cis-1,2-DCE	Dichloroflouromethane	Chloromethane	Methylene Chloride	Tetrachloroethene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Xylenes (Total)	1,2-Dichlorobenzene	Chlorobenzene	Chloroform	Ethylbenzene	Isopropylbenzene	o-Xylene	m,p-Xylene	Styrene	Toluene	Trans-1,2-dichloroethene	1,4-dichlorbenzene	4 Methyl 2-pentanone	Carbon Disulfide	1,1,2-Trichloroethane	2-Butanone	1,1,2,2-Tetrachloroethane
MW-7 @ 30'	Nov-12	<5.0	<5.0	<20.0	<5.0	**19.8**	<5.0	<5.0	<5.0	**114**	**32.6**	<5.0	<1.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Jul-13	<5.0	<5.0	<20.0	<5.0	**6.8**	<5.0	<5.0	<5.0	**35.3**	**9.46**	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Sep-13	<5.0	<5.0	<20.0	<5.0	<5.0	<5.0	<5.0	<5.0	**7.28**	<5.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Dec-13	<5.0	<5.0	<20.0	<5.0	<5.0	<5.0	<5.0	<5.0	**14.6**	<5.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Mar-14	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**5.35**	<5.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Jun-14	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**8.38**	<5.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Sep-14	<5.0	<5.0	<5.0	<5.0	**7.59**	<5.0	<5.0	<5.0	**38.2**	**9.17**	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Dec-14	<5.0	<5.0	<5.0	<5.0	**22.0**	<5.0	<5.0	<5.0	**65.4**	**19.1**	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Mar-15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**6.31**	<5.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-12 @ 60'	Nov-12	<5.0	<5.0	<20.0	<5.0	**4.97**	<5.0	<5.0	<5.0	**239**	**13**	<5.0	<1.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Jul-13	<10.0	<10.0	<20.0	<10.0	**58**	<10.0	<10.0	<10.0	**1250**	<10.0	<10.0	<10.0	<30.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<20	<10.0	<10.0	<10.0	<10.0	<10	<10.0	<10.0	<10	<10.0
	Sep-13	<10.0	<10.0	<20.0	<10.0	**105**	<10.0	<10.0	<10.0	**2280**	**19.1**	<10.0	<10.0	<30.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<20	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
	Dec-13	<5.0	<5.0	<20.0	<5.0	**16.8**	<5.0	<5.0	<5.0	**557**	**10.8**	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Mar-14	<10.0	<10.0	<10.0	<10.0	**59.2**	<10.0	<10.0	<10.0	**1,590**	**12.3**	<10.0	<10.0	<30.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<20.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
	Jun-14	<25.0	<25.0	<25.0	<25.0	**125**	<25.0	<25.0	<25.0	**1,350**	<25.0	<25.0	<25.0	<75.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
	Sep-14	<5.0	<5.0	<5.0	<5.0	**22.2**	<5.0	<5.0	<5.0	**748**	**13.4**	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Dec-14	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**365**	**14.3**	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Mar-15	<10.0	<10.0	<10.0	<10.0	**34.3**	<10.0	<10.0	<10.0	**901**	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<20.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
MW-15 @ 30'	Nov-12	<5.0	<5.0	<20.0	<5.0	**93.7**	<5.0	<5.0	<5.0	**156**	**41.9**	<5.0	**132**	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Jul-13	<5.0	<5.0	<20.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Sep-13	<5.0	<5.0	<20.0	<5.0	**9.15**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**6.83**	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Dec-13	<5.0	<5.0	<20.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Mar-14	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Jun-14	<5.0	<5.0	**5.17**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Sep-14	<5.0	<5.0	<5.0	<5.0	**31.0**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**98.8**	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Dec-14	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Mar-15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-17 @ 25'	Nov-12	<10.0	<10.0	<20.0	<10.0	**590**	<10.0	<10.0	<10.0	**1,250**	**275**	<10.0	**32.1**	<30	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<20	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
	Jul-13	<5.0	<5.0	<20.0	<5.0	**588**	<5.0	<5.0	<5.0	**1,370**	**266**	<5.0	**17.9**	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Sep-13	<10.0	<10.0	<20.0	<10.0	**567**	<10.0	<10.0	<10.0	**1,510**	**300**	<10.0	**33.7**	<30	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<20	<10.0	<10.0	**10.2**	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
	Dec-13	<10.0	<10.0	<20.0	<10.0	**514**	<10.0	<10.0	<10.0	**1,330**	**353**	<10.0	<10.0	<30	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<20	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
	Mar-14	<10.0	<10.0	<10.0	<10.0	**447**	<10.0	<10.0	<10.0	**1,210**	**238**	<10.0	<10.0	<30.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<20.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
	Jun-14	<5.0	<5.0	<5.0	<5.0	**533**	<5.0	<5.0	<5.0	**1,180**	**235**	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Sep-14	<5.0	<5.0	<5.0	<5.0	**382**	<5.0	<5.0	<5.0	**734**	**180**	<5.0	**5.77**	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Dec-14	<5.0	<5.0	<5.0	<5.0	**394**	<5.0	<5.0	<5.0	**922**	**190**	<5.0	**7.74**	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Mar-15*	<5.0	<5.0	<5.0	<5.0	**361**	<5.0	<5.0	<5.0	**969**	**161**	<5.0	<10.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-19 @ 30'	Nov-12	<5.0	<5.0	<20.0	<5.0	**186**	<5.0	<5.0	<5.0	**97**	**19.9**	<5.0	**58.8**	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Jul-13	<5.0	<5.0	<20.0	<5.0	**96.5**	<5.0	<5.0	<5.0	**69.1**	**14.8**	<5.0	**28.1**	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Sep-13	<5.0	<5.0	<20.0	<5.0	**58.4**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**15.4**	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Dec-13	<5.0	<5.0	<20.0	<5.0	**61.1**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**17.7**	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Mar-14	<5.0	<5.0	<5.0	<5.0	**63.2**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**14.5**	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Jun-14	<5.0	<5.0	<5.0	<5.0	**42.6**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**7.29**	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Sep-14	<5.0	<5.0	<5.0	<5.0	**66.1**	<5.0	<5.0	<5.0	**9.69**	<5.0	<5.0	**15.9**	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Dec-14	<5.0	<5.0	<5.0	<5.0	**92.1**	<5.0	<5.0	<5.0	**31.4**	**7.71**	<5.0	**16.1**	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Mar-15*	<5.0	<5.0	<5.0	<5.0	**53.9**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**6.68**	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-20 @ 60'	Mar-13	<50.0	<50.0	<50.0	<50.0	**1,110**	<50.0	<50.0	<50.0	**889**	**99.8**	<50.0	<50.0	<150	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<100	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0
	Jul-13	<10.0	<10.0	<20.0	<10.0	**272**	<10.0	<10.0	<10.0	**1,380**	**98.7**	<10.0	<10.0	<30.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<20.0	<10.0	<10.0	<10.0	<10.0	<10	<10.0	<10.0	<10	<10.0
	Sep-13	<10.0	<10.0	<20.0	<10.0	**784**	<10.0	<10.0	<10.0	**254**	**51.7**	<10.0	<10.0	<30.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<20.0	<10.0	<10.0	**11.1**	<10.0	<10	<10.0	<10.0	<10	<10.0
	Dec-13	<10.0	<10.0	<20.0	<10.0	**165**	<10.0	<10.0	<10.0	**1,270**	**154**	<10.0	<10.0	<30.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<20.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
	Mar-14	<25.0	<25.0	<25.0	<25.0	**1,890**	<25.0	<25.0	<25.0	**2,850**	**288**	<25.0	<25.0	<75.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
	Jun-14	<25.0	<25.0	<25.0	<25.0	**518**	<25.0	<25.0	<25.0	**1,310**	**150**	<25.0	<25.0	<75.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
	Sep-14	<5.0	<5.0	<5.0	<5.0	**104**	<5.0	<5.0	<5.0	**1,460**	**140**	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Dec-14	<25.0	<25.0	<25.0	<25.0	**149**	<25.0	<25.0	<25.0	**984**	**105**	<25.0	<25.0	<75.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
	Mar-15	<25.0	<25.0	<25.0	<25.0	**1,380**	<25.0	<25.0	<25.0	**2,070**	**248**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
MW-21 @ 60'	Mar-13	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500	**40,900**	<2,500	<2,500	<2,500	<7,500	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500	<5,000	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500
	Jul-13	<250	<250	<250	<250	<250	<250	<250	<250	**65,600**	**693**	<250	<250	<750	<250	<250	<250	<250	<250	<.250	<500	<250	<250	<250	<250	<250	<250	<250	<250	<250
	Sep-13	<25.0	<25.0	<25.0	<25.0	**82.9**	<25.0	<25.0	<25.0	**7,520**	**130**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
	Dec-13	<50.0	<50.0	<50.0	<50.0	**58.4**	<50.0	<50.0	<50.0	**5,760**	**105**	<50.0	<50.0	<150	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<100	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0
	Mar-14	<25.0	<25.0	<25.0	<25.0	**58.2**	<25.0	<25.0	<25.0	**2,410**	**82.2**	<25.0	<25.0	<75.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
	Jun-14	<50.0	<50.0	<50.0	<50.0	**83.5**	<50.0	<50.0	<50.0	**7,950**	**187**	<50.0	<50.0	<150	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<100.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0
	Sep-14	<250.0	<250.0	<250.0	<250.0	<250.0	<250.0	<250.0	<250.0	**38,900**	**738**	<250.0	<250.0	<750	<250.0	<250.0	<250.0	<250.0	<250.0	<250.0	<500.0	<250.0	<250.0	<250.0	<250.0	<250.0	<250.0	<250.0	<250.0	<250.0
	Dec-14	<250.0	<250.0	<250.0	<250.0	<250.0	<250.0	<250.0	<250.0	**13,000**	**573**	<250.0	<250.0	<750	<250.0	<250.0	<250.0	<250.0	<250.0	<250.0	<500.0	<250.0	<250.0	<250.0	<250.0	<250.0	<250.0	<250.0	<250.0	<250.0
	Mar-15	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	**7,680**	**81.1**	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<100	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0
MW-22 @ 60'	Mar-13	<250	<250	<250	<250	**4,270**	<250	<250	<250	**1,120**	**389**	<250	<250	<750	<250	<250	<250	<250	<250	<250	<500	<250	<250	<250	<250	<250	<250	<250	<250	<250
	Jul-13	<25.0	<25.0	<25.0	<25.0	**1,910**	<25.0	<25.0	<25.0	**1,270**	**310**	<25.0	<25.0	<75.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
	Sep-13	<10.0	**12.6**	<20.0	<10.0	**623**	<10.0	<10.0	<10.0	**1,310**	**265**	<10.0	<10.0	<30	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<20.0	<10.0	<10.0	**10.1**	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
	Dec-13	<10.0	<10.0	<20.0	<10.0	**552**	<10.0	<10.0	<10.0	**1,200**	**239**	<10.0	<10.0	<30	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<20.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
	Mar-14	<25.0	<25.0	<25.0	<25.0	**2,070**	<25.0	<25.0	<25.0	**2,210**	**347**	<25.0	<25.0	<75.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
	Jun-14	<25.0	<25.0	<25.0	<25.0	**800**	<25.0	<25.0	<25.0	**1,090**	**244**	<25.0	<25.0	<75.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
	Sep-14	<5.0	<5.0	<5.0	<5.0	**576**	<5.0	<5.0	<5.0	**1,760**	**263**	<5.0	<5.0	<15.0	**5.38**	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Dec-14	<25.0	<25.0	<25.0	<25.0	**1990**	<25.0	<25.0	<25.0	**2,580**	**329**	<25.0	<25.0	<75.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
	Mar-15	<50.0	<50.0	<50.0	<50.0	**4,600**	<50.0	<50.0	<50.0	**921**	**357**	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<100	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0
MW-23 @ 60'	Mar-13	<250	<250	<250	<250	**2,870**	<250	<250	<250	**503**	<250	<250	<250	<750	<250	<250	<250	<250	<250	<250	<500	<250	<250	<250	<250	<250	<250	<250	<250	<250
	Jul-13	<5.0	<5.0	<25.0	<5.0	**2,120**	<10	<10	<5.0	**1,650**	**314**	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	<5.0
	Sep-13	<5.0	**5.32**	<20.0	<5.0	**1,250**	<5.0	<5.0	<5.0	**1,830**	**150**	<5.0	<5.0	<15.0	**6.33**	<5.0	**9.60**	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	**5.95**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Dec-13	<10	<10	<20.0	<10	**2,750**	<10	<10	<10	**1,270**	**304**	<10	<10	<30.0	**10.5**	<10	**12.6**	<10	<10	<10	<20.0	<10	<10	<10	<10	<10	<10	<10	<10	<10
	Mar-14	<25.0	<25.0	<25.0	<25.0	**2,180**	<25.0	<25.0	<25.0	**1,870**	**402**	<25.0	<25.0	<75.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
	Jun-14	<25.0	<25.0	<25.0	<25.0	**1,970**	<25.0	<25.0	<25.0	**860**	**328**	<25.0	<25.0	<75.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
	Sep-14	<25.0	<25.0	<25.0	<25.0	**2,730**	<25.0	<25.0	<25.0	**2,520**	**541**	<25.0	<25.0	<75.0	**26.1**	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
	Dec-14	<25.0	<25.0	<25.0	<25.0	**1,990**	<25.0	<25.0	<25.0	**1,930**	**382**	<25.0	<25.0	<75.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
	Mar-15	<25.0	<25.0	<25.0	<25.0	**3,220**	<25.0	<25.0	<25.0	**2,160**	**476**	<25.0	<25.0	<75.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
MW-24 @ 30'	Nov-12	<5.0	<5.0	<20.0	<5.0	**458**	<5.0	<5.0	<5.0	**577**	**122**	<5.0	<1.0	<15.0	<5.0	<5.0	**14.4**	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	**2.07**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Jul-13	<10.0	<10.0	<20.0	<10.0	**1,040**	<10.0	<10.0	<10.0	**743**	**221**	<10.0	<10.0	<30.0	<10.0	<10.0	**16**	<10.0	<10.0	<10.0	<20.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
	Sep-13	<5.0	**6.63**	<20.0	<5.0	**1,010**	<5.0	<5.0	<5.0	**743**	**212**	<5.0	<5.0	<15.0	<5.0	<5.0	**14.6**	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	**11.6**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Dec-13	<5.0	<5.0	<20.0	<5.0	**647**	<5.0	<5.0	<5.0	**356**	**144**	<5.0	<5.0	<5.0	<5.0	<5.0	**8.76**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Mar-14	<10.0	<10.0	<10.0	<10.0	**960**	<10.0	<10.0	<10.0	**695**	**195**	<10.0	<10.0	<30.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<20.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
	Jun-14	<10.0	<10.0	<10.0	<10.0	**648**	<10.0	<10.0	<10.0	**385**	**153**	<10.0	<10.0	<30.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<20.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
	Sep-14	<5.0	<5.0	<5.0	<5.0	**578**	<5.0	<5.0	<5.0	**547**	**139**	<5.0	<5.0	<15.0	<5.0	<5.0	**7.07**	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Dec-14	<10.0	<10.0	<10.0	<10.0	**376**	<10.0	<10.0	<10.0	**335**	**95.8**	<10.0	<10.0	<30.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<20.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
	Mar-15	<5.0	<5.0	<5.0	<5.0	**599**	<5.0	<5.0	<5.0	**392**	**116**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
PT-3 @ 60'	Mar-13	<1,250	<1,250	**2,120**	<1,250	**13,700**	<1,250	<1,250	<1,250	**25,000**	**2,240**	<1,250	<1,250	<3,750	<1,250	<1,250	<1,250	<1,250	<1,250	<1,250	<2,500	<1,250	<1,250	<1,250	<1,250	<1,250	<1,250	<1,250	<1,250	<1,250
	Jul-13	<250	<250	**6,080**	<250	**21,900**	<250	<250	**506**	**43,300**	**3,290**	<250	<250	<750	<250	<250	<250	<250	<250	<250	<500	<250	<250	**389**	<250	<250	<250	<250	**294**	<250
	Sep-13	**391**	<250	**15,700**	<250	**51,000**	<250	<250	**900**	**42,600**	**3,560**	<250	**270**	<750	<250	<250	<250	<250	<250	<250	<500	<250	**271**	**650**	<250	**293**	<250	<250	**1010**	<250
	Dec-13	**356**	<250	**9,460**	<250	**40,300**	<250	<250	**531**	**9,120**	**1,250**	<250	<250	<750	<250	<250	<250	<250	<250	<250	<500	<250	<250	<250	<250	<250	<250	<250	**471**	<250
	Mar-14	<100	<100	**496**	<100	**9,180**	<100	<100	**110**	**17,400**	**1,170**	<100	<100	<300	<100	<100	<100	<100	<100	<100	<200	<100	<100	**106**	<100	<100	<100	<100	<100	<100
	Jun-14	<500	<500	**13,800**	<500	**33,200**	<500	<500	<500	**10,900**	**1,390**	<500	<500	<1,500	<500	<500	<500	<500	<500	<500	<1,000	<500	<500	<500	<500	<500	<500	<500	<500	<500
	Sep-14	<250	<250	**1,650**	<250	**7,460**	<250	<250	<250	**10,200**	**1,010**	<250	<250	<750	<250	<250	<250	<250	<250	<250	<500	<250	<250	<250	<250	<250	<250	<250	<250	<250
	Dec-14	<50.0	<50.0	<50.0	<50.0	**789**	<50.0	<50.0	<50.0	**7,930**	**924**	<50.0	<50.0	<150	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<100	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0
	Mar-15	<250	<250	**1,460**	<250	**27,300**	<250	<250	<250	**5,140**	**895**	<250	<250	<250	<250	<250	<250	<250	<250	<250	<500	<250	<250	<250	<250	<250	<250	<250	<250	<250

Notes:

The analytical results that exceed the laboratory detection limits are bolded.

ug/L = micrograms per Liter

NS = Not Sampled

* Samples for MW-17 and MW-19 were mislabeled in the field. This table shows the correct results.

Table 4
eGeo System Gas Injection Process Performance
% Change in Key Parameters from December 2014 to March 2015
Semi-Annual Progress Report #3
Atlanta, Fulton County, Georgia
HSI# 10547

Monitoring Well	%ORP	%PCE	%Cis-1-2
Source Area			
21	-67.3	-40.9	0
22	-0.07	-64.3	231
23	-26.2	12	161.8
Former Railroad Track Area			
12	-17.6	146.9	34.4
20	-77.8	110.4	926
PT-3	-160	-35.2	3,460
24	-32.5	17	59.3
Creek Area			
17	-80.1	5	-8.4
19	32	-41.4	-31.4

a. A negative value in the ORP percent changecolumn means that the environment has become more reducing, which is the intended result of the injection process.
b. A positive increase in the Cis-1-2 daughter product means that PCE has been reduced, which is the intended result of the treatment process.

TABLE 5
Summary of Professional Oversight Documentation
Semi-Annual Progress Report #3
Atlanta, Fulton County, Georgia
HSI# 10547

Week	Hours	Activity Description
10/31	6	Ongoing project work for source area
11/7	16	Ongoing project work for source area
11/14	3	Ongoing project work for source area
11/21	12	Ongoing project work for Rayloc building
11/28	2	Ongoing project work for source area
12/5	2	Ongoing project work for Rayloc building
12/12	2	Ongoing project work for source area
12/19	16	Ongoing project work for source area and PDA area
12/26	4	Ongoing project work for source area and PDA area
1/2	0	
1/9	4	Ongoing project work for source area
1/16	2	Worked on Semi-Annual Progress Report
1/23	12	Worked on Semi-Annual Progress Report
1/30	0	
2/6	2	Ongoing project work for source area and PDA area
2/13	2	Worked on Semi-Annual Progress Report
2/20	8	Ongoing project work for source area and PDA area
2/27	4	Ongoing project work for source area
3/6	4	Worked on Semi-Annual Progress Report
3/13	3	Ongoing project work for source area
3/20	17	Worked on Semi-Annual Progress Report
3/27	24	Ongoing project work for PDA area and Semi-Annual Progress Report
4/6	8	Worked on Semi-Annual Progress Report

APPENDIX A
PDA SOIL LABORATORY DATA

GCAL
ANALYTICAL LABORATORIES, LLC

NELAP CERTIFICATE NUMBER: 01955
DOD ELAP CERTIFICATE NUMBER: L14-243

ANALYTICAL RESULTS

PERFORMED BY

GCAL, LLC
7979 Innovation Park Dr.
Baton Rouge, LA 70820

Report Date 12/01/2014

GCAL Report 214112067

Deliver To	Sage Environmental Services 600 Chastain Rd. Kennesaw, GA 30144 678-431-0130
Attn	Jack Wintle

Project 1221-1-4 / Rayloc VRP Delineat

PJLA Testing DoD ELAP

ISO 17025

NELAP ACCREDITED TNI LABORATORY

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations Utilized in this Report

ND	Indicates the result was Not Detected at the specified LOQ
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
MDL	Method Detection Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
00:00	Reported as a time equivalent to 12:00 AM

Reporting Flags Utilized in this Report

J	Indicates the result is between the MDL and LOQ
U	Indicates the compound was analyzed for but not detected
B	Indicates the analyte was detected in the associated Method Blank

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the NELAC standard and terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Estimated uncertainty of measurement is available upon request. This report is in compliance with the DOD QSM as specified in the contract if applicable.

Karen Mulerine/Mng Data Del

Authorized Signature
GCAL Report 214112067

Case Narrative

Client: Sage Environmental **Report:** 214112067

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the Report Sample Summary page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

VOLATILES MASS SPECTROMETRY

In the EPA 8260B analysis, samples 21411206702 (WD-8 AT 20), 21411206704 (WD-9 AT 20), 21411206706 (WD-10 AT 27), and 21411206710 (WD-12 AT 22.5) were analyzed at a 50 (methanol extract) dilution for Methyl Iodide. This dilution is reflected in elevated reporting limits.

In the EPA 8260B analysis, samples 21411206701 (WD-8 AT 5), 21411206703 (WD-9 AT 5), 21411206705 (WD-10 AT 10), 21411206707 (WD-11 AT 10), 21411206708 (WD-11 AT 22), and 21411206709 (WD-12 AT 15) had to be diluted due to the presence of non-target background and/or to bracket the concentration of target analytes within the calibration range. The dilutions are reflected in elevated reporting limits.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21411206701	WD-8 AT 5	Solid	11/17/2014 10:20	11/20/2014 09:40
21411206702	WD-8 AT 20	Solid	11/17/2014 10:20	11/20/2014 09:40
21411206703	WD-9 AT 5	Solid	11/17/2014 10:50	11/20/2014 09:40
21411206704	WD-9 AT 20	Solid	11/17/2014 10:50	11/20/2014 09:40
21411206705	WD-10 AT 10	Solid	11/17/2014 11:40	11/20/2014 09:40
21411206706	WD-10 AT 27	Solid	11/17/2014 11:40	11/20/2014 09:40
21411206707	WD-11 AT 10	Solid	11/17/2014 13:15	11/20/2014 09:40
21411206708	WD-11 AT 22	Solid	11/17/2014 13:15	11/20/2014 09:40
21411206709	WD-12 AT 15	Solid	11/17/2014 14:00	11/20/2014 09:40
21411206710	WD-12 AT 22.5	Solid	11/17/2014 14:00	11/20/2014 09:40
21411206711	TRIP BLANK	Water	11/17/2014 00:00	11/20/2014 09:40

Summary of Compounds Detected

WD-8 AT 5

Collect Date 11/17/2014 10:20 **GCAL ID** 21411206701
Receive Date 11/20/2014 09:40 **Matrix** Solid

EPA 8260B *Results Reported on Dry Weight Basis

CAS#	Parameter	Result	LOQ	Units
127-18-4	Tetrachloroethene	60.6	12.6	mg/kg

WD-8 AT 20

Collect Date 11/17/2014 10:20 **GCAL ID** 21411206702
Receive Date 11/20/2014 09:40 **Matrix** Solid

EPA 8260B *Results Reported on Dry Weight Basis

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	0.019	0.011	mg/kg
156-59-2	cis-1,2-Dichloroethene	0.019	0.00561	mg/kg
127-18-4	Tetrachloroethene	0.037	0.00561	mg/kg

WD-9 AT 5

Collect Date 11/17/2014 10:50 **GCAL ID** 21411206703
Receive Date 11/20/2014 09:40 **Matrix** Solid

EPA 8260B *Results Reported on Dry Weight Basis

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	1.96	0.500	mg/kg
156-59-2	cis-1,2-Dichloroethene	1.96	0.250	mg/kg
127-18-4	Tetrachloroethene	1.38	0.250	mg/kg
79-01-6	Trichloroethene	0.604	0.250	mg/kg

WD-9 AT 20

Collect Date 11/17/2014 10:50 **GCAL ID** 21411206704
Receive Date 11/20/2014 09:40 **Matrix** Solid

EPA 8260B *Results Reported on Dry Weight Basis

CAS#	Parameter	Result	LOQ	Units
156-59-2	cis-1,2-Dichloroethene	0.00616	0.00497	mg/kg

WD-10 AT 10

Collect Date 11/17/2014 11:40 **GCAL ID** 21411206705
Receive Date 11/20/2014 09:40 **Matrix** Solid

EPA 8260B *Results Reported on Dry Weight Basis

CAS#	Parameter	Result	LOQ	Units
127-18-4	Tetrachloroethene	327	117	mg/kg

Summary of Compounds Detected

WD-10 AT 27

Collect Date 11/17/2014 11:40 **GCAL ID** 21411206706

Receive Date 11/20/2014 09:40 **Matrix** Solid

EPA 8260B *Results Reported on Dry Weight Basis

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	0.039	0.012	mg/kg
156-59-2	cis-1,2-Dichloroethene	0.039	0.00587	mg/kg
127-18-4	Tetrachloroethene	0.040	0.00587	mg/kg
79-01-6	Trichloroethene	0.010	0.00587	mg/kg

WD-11 AT 10

Collect Date 11/17/2014 13:15 **GCAL ID** 21411206707

Receive Date 11/20/2014 09:40 **Matrix** Solid

EPA 8260B *Results Reported on Dry Weight Basis

CAS#	Parameter	Result	LOQ	Units
156-59-2	cis-1,2-Dichloroethene	1.57	0.925	mg/kg
127-18-4	Tetrachloroethene	150	9.25	mg/kg
79-01-6	Trichloroethene	2.24	0.925	mg/kg

WD-11 AT 22

Collect Date 11/17/2014 13:15 **GCAL ID** 21411206708

Receive Date 11/20/2014 09:40 **Matrix** Solid

EPA 8260B *Results Reported on Dry Weight Basis

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	0.660	0.605	mg/kg
156-59-2	cis-1,2-Dichloroethene	0.660	0.302	mg/kg
127-18-4	Tetrachloroethene	10.9	0.302	mg/kg
79-01-6	Trichloroethene	0.675	0.302	mg/kg

WD-12 AT 15

Collect Date 11/17/2014 14:00 **GCAL ID** 21411206709

Receive Date 11/20/2014 09:40 **Matrix** Solid

EPA 8260B *Results Reported on Dry Weight Basis

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	1.74	0.581	mg/kg
156-59-2	cis-1,2-Dichloroethene	1.72	0.291	mg/kg
127-18-4	Tetrachloroethene	7.13	0.291	mg/kg
79-01-6	Trichloroethene	2.02	0.291	mg/kg

Summary of Compounds Detected

WD-12 AT 22.5	Collect Date	11/17/2014 14:00	GCAL ID	21411206710
	Receive Date	11/20/2014 09:40	Matrix	Solid

EPA 8260B

*Results Reported on Dry Weight Basis

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	0.134	0.014	mg/kg
156-59-2	cis-1,2-Dichloroethene	0.133	0.00703	mg/kg
127-18-4	Tetrachloroethene	0.038	0.00703	mg/kg
79-01-6	Trichloroethene	0.023	0.00703	mg/kg

Sample Results

WD-8 AT 5	**Collect Date**	11/17/2014 10:20	**GCAL ID**	21411206701
	Receive Date	11/20/2014 09:40	**Matrix**	Solid

EPA 8260B *Results Reported on Dry Weight Basis

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	200	11/26/2014 17:25	CLH	545925

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.26	mg/kg
71-55-6	1,1,1-Trichloroethane	ND	1.26	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.26	mg/kg
79-00-5	1,1,2-Trichloroethane	ND	1.26	mg/kg
75-34-3	1,1-Dichloroethane	ND	1.26	mg/kg
75-35-4	1,1-Dichloroethene	ND	1.26	mg/kg
563-58-6	1,1-Dichloropropene	ND	1.26	mg/kg
96-18-4	1,2,3-Trichloropropane	ND	1.26	mg/kg
120-82-1	1,2,4-Trichlorobenzene	ND	1.26	mg/kg
95-63-6	1,2,4-Trimethylbenzene	ND	1.26	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.26	mg/kg
106-93-4	1,2-Dibromoethane	ND	1.26	mg/kg
95-50-1	1,2-Dichlorobenzene	ND	1.26	mg/kg
107-06-2	1,2-Dichloroethane	ND	1.26	mg/kg
540-59-0	1,2-Dichloroethene(Total)	ND	2.53	mg/kg
78-87-5	1,2-Dichloropropane	ND	1.26	mg/kg
108-67-8	1,3,5-Trimethylbenzene	ND	1.26	mg/kg
541-73-1	1,3-Dichlorobenzene	ND	1.26	mg/kg
142-28-9	1,3-Dichloropropane	ND	1.26	mg/kg
106-46-7	1,4-Dichlorobenzene	ND	1.26	mg/kg
594-20-7	2,2-Dichloropropane	ND	1.26	mg/kg
78-93-3	2-Butanone	ND	1.26	mg/kg
95-49-8	2-Chlorotoluene	ND	1.26	mg/kg
591-78-6	2-Hexanone	ND	1.26	mg/kg
106-43-4	4-Chlorotoluene	ND	1.26	mg/kg
99-87-6	4-Isopropyltoluene	ND	1.26	mg/kg
108-10-1	4-Methyl-2-pentanone	ND	1.26	mg/kg
67-64-1	Acetone	ND	6.32	mg/kg
71-43-2	Benzene	ND	1.26	mg/kg
108-86-1	Bromobenzene	ND	1.26	mg/kg
74-97-5	Bromochloromethane	ND	1.26	mg/kg
75-27-4	Bromodichloromethane	ND	1.26	mg/kg
75-25-2	Bromoform	ND	1.26	mg/kg
74-83-9	Bromomethane	ND	1.26	mg/kg
75-15-0	Carbon disulfide	ND	1.26	mg/kg
56-23-5	Carbon tetrachloride	ND	1.26	mg/kg
108-90-7	Chlorobenzene	ND	1.26	mg/kg
75-00-3	Chloroethane	ND	1.26	mg/kg
67-66-3	Chloroform	ND	1.26	mg/kg
74-87-3	Chloromethane	ND	1.26	mg/kg
156-59-2	cis-1,2-Dichloroethene	ND	1.26	mg/kg
10061-01-5	cis-1,3-Dichloropropene	ND	1.26	mg/kg
124-48-1	Dibromochloromethane	ND	1.26	mg/kg
74-95-3	Dibromomethane	ND	1.26	mg/kg
75-71-8	Dichlorodifluoromethane	ND	1.26	mg/kg
100-41-4	Ethylbenzene	ND	1.26	mg/kg
87-68-3	Hexachlorobutadiene	ND	1.26	mg/kg
98-82-8	Isopropylbenzene (Cumene)	ND	1.26	mg/kg
136777-61-2	m,p-Xylene	ND	1.26	mg/kg
74-88-4	Methyl iodide	ND	1.26	mg/kg
75-09-2	Methylene chloride	ND	2.53	mg/kg
91-20-3	Naphthalene	ND	1.26	mg/kg
104-51-8	n-Butylbenzene	ND	1.26	mg/kg
103-65-1	n-Propylbenzene	ND	1.26	mg/kg

Sample Results

WD-8 AT 5

Collect Date	11/17/2014 10:20	**GCAL ID**	21411206701
Receive Date	11/20/2014 09:40	**Matrix**	Solid

EPA 8260B (Continued) *Results Reported on Dry Weight Basis

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	200	11/26/2014 17:25	CLH	545925

CAS#	Parameter	Result	LOQ	Units
95-47-6	o-Xylene	ND	1.26	mg/kg
135-98-8	sec-Butylbenzene	ND	1.26	mg/kg
100-42-5	Styrene	ND	1.26	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	1.26	mg/kg
98-06-6	tert-Butylbenzene	ND	1.26	mg/kg
108-88-3	Toluene	ND	1.26	mg/kg
156-60-5	trans-1,2-Dichloroethene	ND	1.26	mg/kg
10061-02-6	trans-1,3-Dichloropropene	ND	1.26	mg/kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	1.26	mg/kg
79-01-6	Trichloroethene	ND	1.26	mg/kg
75-69-4	Trichlorofluoromethane	ND	1.26	mg/kg
76-13-1	Trichlorotrifluoroethane	ND	1.26	mg/kg
75-01-4	Vinyl chloride	ND	1.26	mg/kg
1330-20-7	Xylene (total)	ND	2.53	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	10.10	9.9	ug/Kg	98	62 - 127
1868-53-7	Dibromofluoromethane	10.10	10.1	ug/Kg	100	65 - 130
2037-26-5	Toluene d8	10.10	10.1	ug/Kg	100	71 - 132
17060-07-0	1,2-Dichloroethane-d4	10.10	10.3	ug/Kg	102	62 - 125

EPA 8260B *Results Reported on Dry Weight Basis

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	2000	11/26/2014 15:45	LBH	545925

CAS#	Parameter	Result	LOQ	Units
127-18-4	Tetrachloroethene	60.6	12.6	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	101	95.9	ug/Kg	95	62 - 127
1868-53-7	Dibromofluoromethane	101	99.4	ug/Kg	99	65 - 130
2037-26-5	Toluene d8	101	102	ug/Kg	101	71 - 132
17060-07-0	1,2-Dichloroethane-d4	101	105	ug/Kg	104	62 - 125

WD-8 AT 20

Collect Date	11/17/2014 10:20	**GCAL ID**	21411206702
Receive Date	11/20/2014 09:40	**Matrix**	Solid

EPA 8260B *Results Reported on Dry Weight Basis

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/26/2014 21:24	JCK	545977

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.00561	mg/kg

Sample Results

WD-8 AT 20	**Collect Date**	11/17/2014 10:20	**GCAL ID**	21411206702
	Receive Date	11/20/2014 09:40	**Matrix**	Solid

EPA 8260B (Continued)

*Results Reported on Dry Weight Basis

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/26/2014 21:24	JCK	545977

CAS#	Parameter	Result	LOQ	Units
71-55-6	1,1,1-Trichloroethane	ND	0.00561	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.00561	mg/kg
79-00-5	1,1,2-Trichloroethane	ND	0.00561	mg/kg
75-34-3	1,1-Dichloroethane	ND	0.00561	mg/kg
75-35-4	1,1-Dichloroethene	ND	0.00561	mg/kg
563-58-6	1,1-Dichloropropene	ND	0.00561	mg/kg
96-18-4	1,2,3-Trichloropropane	ND	0.00561	mg/kg
120-82-1	1,2,4-Trichlorobenzene	ND	0.00561	mg/kg
95-63-6	1,2,4-Trimethylbenzene	ND	0.00561	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.00561	mg/kg
106-93-4	1,2-Dibromoethane	ND	0.00561	mg/kg
95-50-1	1,2-Dichlorobenzene	ND	0.00561	mg/kg
107-06-2	1,2-Dichloroethane	ND	0.00561	mg/kg
540-59-0	**1,2-Dichloroethene(Total)**	**0.019**	**0.011**	**mg/kg**
78-87-5	1,2-Dichloropropane	ND	0.00561	mg/kg
108-67-8	1,3,5-Trimethylbenzene	ND	0.00561	mg/kg
541-73-1	1,3-Dichlorobenzene	ND	0.00561	mg/kg
142-28-9	1,3-Dichloropropane	ND	0.00561	mg/kg
106-46-7	1,4-Dichlorobenzene	ND	0.00561	mg/kg
594-20-7	2,2-Dichloropropane	ND	0.00561	mg/kg
78-93-3	2-Butanone	ND	0.00561	mg/kg
95-49-8	2-Chlorotoluene	ND	0.00561	mg/kg
591-78-6	2-Hexanone	ND	0.00561	mg/kg
106-43-4	4-Chlorotoluene	ND	0.00561	mg/kg
99-87-6	4-Isopropyltoluene	ND	0.00561	mg/kg
108-10-1	4-Methyl-2-pentanone	ND	0.00561	mg/kg
67-64-1	Acetone	ND	0.028	mg/kg
71-43-2	Benzene	ND	0.00561	mg/kg
108-86-1	Bromobenzene	ND	0.00561	mg/kg
74-97-5	Bromochloromethane	ND	0.00561	mg/kg
75-27-4	Bromodichloromethane	ND	0.00561	mg/kg
75-25-2	Bromoform	ND	0.00561	mg/kg
74-83-9	Bromomethane	ND	0.00561	mg/kg
75-15-0	Carbon disulfide	ND	0.00561	mg/kg
56-23-5	Carbon tetrachloride	ND	0.00561	mg/kg
108-90-7	Chlorobenzene	ND	0.00561	mg/kg
75-00-3	Chloroethane	ND	0.00561	mg/kg
67-66-3	Chloroform	ND	0.00561	mg/kg
74-87-3	Chloromethane	ND	0.00561	mg/kg
156-59-2	**cis-1,2-Dichloroethene**	**0.019**	**0.00561**	**mg/kg**
10061-01-5	cis-1,3-Dichloropropene	ND	0.00561	mg/kg
124-48-1	Dibromochloromethane	ND	0.00561	mg/kg
74-95-3	Dibromomethane	ND	0.00561	mg/kg
75-71-8	Dichlorodifluoromethane	ND	0.00561	mg/kg
100-41-4	Ethylbenzene	ND	0.00561	mg/kg
87-68-3	Hexachlorobutadiene	ND	0.00561	mg/kg
98-82-8	Isopropylbenzene (Cumene)	ND	0.00561	mg/kg
136777-61-2	m,p-Xylene	ND	0.00561	mg/kg
75-09-2	Methylene chloride	ND	0.011	mg/kg
91-20-3	Naphthalene	ND	0.00561	mg/kg
104-51-8	n-Butylbenzene	ND	0.00561	mg/kg
103-65-1	n-Propylbenzene	ND	0.00561	mg/kg
95-47-6	o-Xylene	ND	0.00561	mg/kg
135-98-8	sec-Butylbenzene	ND	0.00561	mg/kg

Sample Results

WD-8 AT 20	**Collect Date**	11/17/2014 10:20	**GCAL ID**	21411206702
	Receive Date	11/20/2014 09:40	**Matrix**	Solid

EPA 8260B (Continued) *Results Reported on Dry Weight Basis

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/26/2014 21:24	JCK	545977

CAS#	Parameter	Result	LOQ	Units
100-42-5	Styrene	ND	0.00561	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	0.00561	mg/kg
98-06-6	tert-Butylbenzene	ND	0.00561	mg/kg
127-18-4	**Tetrachloroethene**	**0.037**	**0.00561**	**mg/kg**
108-88-3	Toluene	ND	0.00561	mg/kg
156-60-5	trans-1,2-Dichloroethene	ND	0.00561	mg/kg
10061-02-6	trans-1,3-Dichloropropene	ND	0.00561	mg/kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	0.00561	mg/kg
79-01-6	Trichloroethene	ND	0.00561	mg/kg
75-69-4	Trichlorofluoromethane	ND	0.00561	mg/kg
76-13-1	Trichlorotrifluoroethane	ND	0.00561	mg/kg
75-01-4	Vinyl chloride	ND	0.00561	mg/kg
1330-20-7	Xylene (total)	ND	0.011	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	0.0470	.047	ug/Kg	99	62 - 127
1868-53-7	Dibromofluoromethane	0.0470	.045	ug/Kg	95	65 - 130
2037-26-5	Toluene d8	0.0470	.047	ug/Kg	99	71 - 132
17060-07-0	1,2-Dichloroethane-d4	0.0470	.052	ug/Kg	110	62 - 125

EPA 8260B *Results Reported on Dry Weight Basis

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	50	11/26/2014 19:26	CLH	545925

CAS#	Parameter	Result	LOQ	Units
74-88-4	Methyl iodide	ND	0.379	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	3.20	3.07	ug/Kg	96	62 - 127
1868-53-7	Dibromofluoromethane	3.20	3.09	ug/Kg	97	65 - 130
2037-26-5	Toluene d8	3.20	3.25	ug/Kg	102	71 - 132
17060-07-0	1,2-Dichloroethane-d4	3.20	3.34	ug/Kg	104	62 - 125

WD-9 AT 5	**Collect Date**	11/17/2014 10:50	**GCAL ID**	21411206703
	Receive Date	11/20/2014 09:40	**Matrix**	Solid

EPA 8260B *Results Reported on Dry Weight Basis

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	50	11/26/2014 19:46	CLH	545925

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.250	mg/kg
71-55-6	1,1,1-Trichloroethane	ND	0.250	mg/kg

Sample Results

WD-9 AT 5	**Collect Date**	11/17/2014 10:50	**GCAL ID**	21411206703
	Receive Date	11/20/2014 09:40	**Matrix**	Solid

EPA 8260B (Continued)

*Results Reported on Dry Weight Basis

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	50	11/26/2014 19:46	CLH	545925

CAS#	Parameter	Result	LOQ	Units
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.250	mg/kg
79-00-5	1,1,2-Trichloroethane	ND	0.250	mg/kg
75-34-3	1,1-Dichloroethane	ND	0.250	mg/kg
75-35-4	1,1-Dichloroethene	ND	0.250	mg/kg
563-58-6	1,1-Dichloropropene	ND	0.250	mg/kg
96-18-4	1,2,3-Trichloropropane	ND	0.250	mg/kg
120-82-1	1,2,4-Trichlorobenzene	ND	0.250	mg/kg
95-63-6	1,2,4-Trimethylbenzene	ND	0.250	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.250	mg/kg
106-93-4	1,2-Dibromoethane	ND	0.250	mg/kg
95-50-1	1,2-Dichlorobenzene	ND	0.250	mg/kg
107-06-2	1,2-Dichloroethane	ND	0.250	mg/kg
540-59-0	**1,2-Dichloroethene(Total)**	**1.96**	**0.500**	**mg/kg**
78-87-5	1,2-Dichloropropane	ND	0.250	mg/kg
108-67-8	1,3,5-Trimethylbenzene	ND	0.250	mg/kg
541-73-1	1,3-Dichlorobenzene	ND	0.250	mg/kg
142-28-9	1,3-Dichloropropane	ND	0.250	mg/kg
106-46-7	1,4-Dichlorobenzene	ND	0.250	mg/kg
594-20-7	2,2-Dichloropropane	ND	0.250	mg/kg
78-93-3	2-Butanone	ND	0.250	mg/kg
95-49-8	2-Chlorotoluene	ND	0.250	mg/kg
591-78-6	2-Hexanone	ND	0.250	mg/kg
106-43-4	4-Chlorotoluene	ND	0.250	mg/kg
99-87-6	4-Isopropyltoluene	ND	0.250	mg/kg
108-10-1	4-Methyl-2-pentanone	ND	0.250	mg/kg
67-64-1	Acetone	ND	1.25	mg/kg
71-43-2	Benzene	ND	0.250	mg/kg
108-86-1	Bromobenzene	ND	0.250	mg/kg
74-97-5	Bromochloromethane	ND	0.250	mg/kg
75-27-4	Bromodichloromethane	ND	0.250	mg/kg
75-25-2	Bromoform	ND	0.250	mg/kg
74-83-9	Bromomethane	ND	0.250	mg/kg
75-15-0	Carbon disulfide	ND	0.250	mg/kg
56-23-5	Carbon tetrachloride	ND	0.250	mg/kg
108-90-7	Chlorobenzene	ND	0.250	mg/kg
75-00-3	Chloroethane	ND	0.250	mg/kg
67-66-3	Chloroform	ND	0.250	mg/kg
74-87-3	Chloromethane	ND	0.250	mg/kg
156-59-2	**cis-1,2-Dichloroethene**	**1.96**	**0.250**	**mg/kg**
10061-01-5	cis-1,3-Dichloropropene	ND	0.250	mg/kg
124-48-1	Dibromochloromethane	ND	0.250	mg/kg
74-95-3	Dibromomethane	ND	0.250	mg/kg
75-71-8	Dichlorodifluoromethane	ND	0.250	mg/kg
100-41-4	Ethylbenzene	ND	0.250	mg/kg
87-68-3	Hexachlorobutadiene	ND	0.250	mg/kg
98-82-8	Isopropylbenzene (Cumene)	ND	0.250	mg/kg
136777-61-2	m,p-Xylene	ND	0.250	mg/kg
74-88-4	Methyl iodide	ND	0.250	mg/kg
75-09-2	Methylene chloride	ND	0.500	mg/kg
91-20-3	Naphthalene	ND	0.250	mg/kg
104-51-8	n-Butylbenzene	ND	0.250	mg/kg
103-65-1	n-Propylbenzene	ND	0.250	mg/kg
95-47-6	o-Xylene	ND	0.250	mg/kg
135-98-8	sec-Butylbenzene	ND	0.250	mg/kg

Sample Results

WD-9 AT 5

Collect Date	11/17/2014 10:50	**GCAL ID**	21411206703
Receive Date	11/20/2014 09:40	**Matrix**	Solid

EPA 8260B (Continued) *Results Reported on Dry Weight Basis

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	50	11/26/2014 19:46	CLH	545925

CAS#	Parameter	Result	LOQ	Units
100-42-5	Styrene	ND	0.250	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	0.250	mg/kg
98-06-6	tert-Butylbenzene	ND	0.250	mg/kg
127-18-4	**Tetrachloroethene**	**1.38**	**0.250**	**mg/kg**
108-88-3	Toluene	ND	0.250	mg/kg
156-60-5	trans-1,2-Dichloroethene	ND	0.250	mg/kg
10061-02-6	trans-1,3-Dichloropropene	ND	0.250	mg/kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	0.250	mg/kg
79-01-6	**Trichloroethene**	**0.604**	**0.250**	**mg/kg**
75-69-4	Trichlorofluoromethane	ND	0.250	mg/kg
76-13-1	Trichlorotrifluoroethane	ND	0.250	mg/kg
75-01-4	Vinyl chloride	ND	0.250	mg/kg
1330-20-7	Xylene (total)	ND	0.500	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2.07	1.95	ug/Kg	94	62 - 127
1868-53-7	Dibromofluoromethane	2.07	1.97	ug/Kg	95	65 - 130
2037-26-5	Toluene d8	2.07	2.07	ug/Kg	100	71 - 132
17060-07-0	1,2-Dichloroethane-d4	2.07	2.12	ug/Kg	103	62 - 125

WD-9 AT 20

Collect Date	11/17/2014 10:50	**GCAL ID**	21411206704
Receive Date	11/20/2014 09:40	**Matrix**	Solid

EPA 8260B *Results Reported on Dry Weight Basis

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/26/2014 21:45	JCK	545977

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.00497	mg/kg
71-55-6	1,1,1-Trichloroethane	ND	0.00497	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.00497	mg/kg
79-00-5	1,1,2-Trichloroethane	ND	0.00497	mg/kg
75-34-3	1,1-Dichloroethane	ND	0.00497	mg/kg
75-35-4	1,1-Dichloroethene	ND	0.00497	mg/kg
563-58-6	1,1-Dichloropropene	ND	0.00497	mg/kg
96-18-4	1,2,3-Trichloropropane	ND	0.00497	mg/kg
120-82-1	1,2,4-Trichlorobenzene	ND	0.00497	mg/kg
95-63-6	1,2,4-Trimethylbenzene	ND	0.00497	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.00497	mg/kg
106-93-4	1,2-Dibromoethane	ND	0.00497	mg/kg
95-50-1	1,2-Dichlorobenzene	ND	0.00497	mg/kg
107-06-2	1,2-Dichloroethane	ND	0.00497	mg/kg
540-59-0	1,2-Dichloroethene(Total)	ND	0.00994	mg/kg
78-87-5	1,2-Dichloropropane	ND	0.00497	mg/kg
108-67-8	1,3,5-Trimethylbenzene	ND	0.00497	mg/kg
541-73-1	1,3-Dichlorobenzene	ND	0.00497	mg/kg
142-28-9	1,3-Dichloropropane	ND	0.00497	mg/kg
106-46-7	1,4-Dichlorobenzene	ND	0.00497	mg/kg

Sample Results

WD-9 AT 20	Collect Date	11/17/2014 10:50	GCAL ID	21411206704
	Receive Date	11/20/2014 09:40	Matrix	Solid

EPA 8260B (Continued)

*Results Reported on Dry Weight Basis

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/26/2014 21:45	JCK	545977

CAS#	Parameter	Result	LOQ	Units
594-20-7	2,2-Dichloropropane	ND	0.00497	mg/kg
78-93-3	2-Butanone	ND	0.00497	mg/kg
95-49-8	2-Chlorotoluene	ND	0.00497	mg/kg
591-78-6	2-Hexanone	ND	0.00497	mg/kg
106-43-4	4-Chlorotoluene	ND	0.00497	mg/kg
99-87-6	4-Isopropyltoluene	ND	0.00497	mg/kg
108-10-1	4-Methyl-2-pentanone	ND	0.00497	mg/kg
67-64-1	Acetone	ND	0.025	mg/kg
71-43-2	Benzene	ND	0.00497	mg/kg
108-86-1	Bromobenzene	ND	0.00497	mg/kg
74-97-5	Bromochloromethane	ND	0.00497	mg/kg
75-27-4	Bromodichloromethane	ND	0.00497	mg/kg
75-25-2	Bromoform	ND	0.00497	mg/kg
74-83-9	Bromomethane	ND	0.00497	mg/kg
75-15-0	Carbon disulfide	ND	0.00497	mg/kg
56-23-5	Carbon tetrachloride	ND	0.00497	mg/kg
108-90-7	Chlorobenzene	ND	0.00497	mg/kg
75-00-3	Chloroethane	ND	0.00497	mg/kg
67-66-3	Chloroform	ND	0.00497	mg/kg
74-87-3	Chloromethane	ND	0.00497	mg/kg
156-59-2	**cis-1,2-Dichloroethene**	**0.00616**	**0.00497**	**mg/kg**
10061-01-5	cis-1,3-Dichloropropene	ND	0.00497	mg/kg
124-48-1	Dibromochloromethane	ND	0.00497	mg/kg
74-95-3	Dibromomethane	ND	0.00497	mg/kg
75-71-8	Dichlorodifluoromethane	ND	0.00497	mg/kg
100-41-4	Ethylbenzene	ND	0.00497	mg/kg
87-68-3	Hexachlorobutadiene	ND	0.00497	mg/kg
98-82-8	Isopropylbenzene (Cumene)	ND	0.00497	mg/kg
136777-61-2	m,p-Xylene	ND	0.00497	mg/kg
75-09-2	Methylene chloride	ND	0.00994	mg/kg
91-20-3	Naphthalene	ND	0.00497	mg/kg
104-51-8	n-Butylbenzene	ND	0.00497	mg/kg
103-65-1	n-Propylbenzene	ND	0.00497	mg/kg
95-47-6	o-Xylene	ND	0.00497	mg/kg
135-98-8	sec-Butylbenzene	ND	0.00497	mg/kg
100-42-5	Styrene	ND	0.00497	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	0.00497	mg/kg
98-06-6	tert-Butylbenzene	ND	0.00497	mg/kg
127-18-4	Tetrachloroethene	ND	0.00497	mg/kg
108-88-3	Toluene	ND	0.00497	mg/kg
156-60-5	trans-1,2-Dichloroethene	ND	0.00497	mg/kg
10061-02-6	trans-1,3-Dichloropropene	ND	0.00497	mg/kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	0.00497	mg/kg
79-01-6	Trichloroethene	ND	0.00497	mg/kg
75-69-4	Trichlorofluoromethane	ND	0.00497	mg/kg
76-13-1	Trichlorotrifluoroethane	ND	0.00497	mg/kg
75-01-4	Vinyl chloride	ND	0.00497	mg/kg

Sample Results

WD-9 AT 20

Collect Date	11/17/2014 10:50	**GCAL ID**	21411206704
Receive Date	11/20/2014 09:40	**Matrix**	Solid

EPA 8260B (Continued) *Results Reported on Dry Weight Basis

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/26/2014 21:45	JCK	545977

CAS#	Parameter	Result	LOQ	Units
1330-20-7	Xylene (total)	ND	0.00994	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	0.04	.04	ug/Kg	98	62 - 127
1868-53-7	Dibromofluoromethane	0.04	.039	ug/Kg	96	65 - 130
2037-26-5	Toluene d8	0.04	.04	ug/Kg	98	71 - 132
17060-07-0	1,2-Dichloroethane-d4	0.04	.043	ug/Kg	108	62 - 125

EPA 8260B *Results Reported on Dry Weight Basis

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	50	11/26/2014 20:06	CLH	545925

CAS#	Parameter	Result	LOQ	Units
74-88-4	Methyl iodide	ND	0.283	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2.29	2.18	ug/Kg	95	62 - 127
1868-53-7	Dibromofluoromethane	2.29	2.2	ug/Kg	96	65 - 130
2037-26-5	Toluene d8	2.29	2.35	ug/Kg	103	71 - 132
17060-07-0	1,2-Dichloroethane-d4	2.29	2.38	ug/Kg	104	62 - 125

WD-10 AT 10

Collect Date	11/17/2014 11:40	**GCAL ID**	21411206705
Receive Date	11/20/2014 09:40	**Matrix**	Solid

EPA 8260B *Results Reported on Dry Weight Basis

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1000	11/26/2014 17:45	CLH	545925

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.85	mg/kg
71-55-6	1,1,1-Trichloroethane	ND	5.85	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.85	mg/kg
79-00-5	1,1,2-Trichloroethane	ND	5.85	mg/kg
75-34-3	1,1-Dichloroethane	ND	5.85	mg/kg
75-35-4	1,1-Dichloroethene	ND	5.85	mg/kg
563-58-6	1,1-Dichloropropene	ND	5.85	mg/kg
96-18-4	1,2,3-Trichloropropane	ND	5.85	mg/kg
120-82-1	1,2,4-Trichlorobenzene	ND	5.85	mg/kg
95-63-6	1,2,4-Trimethylbenzene	ND	5.85	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.85	mg/kg
106-93-4	1,2-Dibromoethane	ND	5.85	mg/kg
95-50-1	1,2-Dichlorobenzene	ND	5.85	mg/kg
107-06-2	1,2-Dichloroethane	ND	5.85	mg/kg

Sample Results

WD-10 AT 10	Collect Date	11/17/2014 11:40	GCAL ID	21411206705
	Receive Date	11/20/2014 09:40	Matrix	Solid

EPA 8260B (Continued)

*Results Reported on Dry Weight Basis

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1000	11/26/2014 17:45	CLH	545925

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	ND	11.7	mg/kg
78-87-5	1,2-Dichloropropane	ND	5.85	mg/kg
108-67-8	1,3,5-Trimethylbenzene	ND	5.85	mg/kg
541-73-1	1,3-Dichlorobenzene	ND	5.85	mg/kg
142-28-9	1,3-Dichloropropane	ND	5.85	mg/kg
106-46-7	1,4-Dichlorobenzene	ND	5.85	mg/kg
594-20-7	2,2-Dichloropropane	ND	5.85	mg/kg
78-93-3	2-Butanone	ND	5.85	mg/kg
95-49-8	2-Chlorotoluene	ND	5.85	mg/kg
591-78-6	2-Hexanone	ND	5.85	mg/kg
106-43-4	4-Chlorotoluene	ND	5.85	mg/kg
99-87-6	4-Isopropyltoluene	ND	5.85	mg/kg
108-10-1	4-Methyl-2-pentanone	ND	5.85	mg/kg
67-64-1	Acetone	ND	29.3	mg/kg
71-43-2	Benzene	ND	5.85	mg/kg
108-86-1	Bromobenzene	ND	5.85	mg/kg
74-97-5	Bromochloromethane	ND	5.85	mg/kg
75-27-4	Bromodichloromethane	ND	5.85	mg/kg
75-25-2	Bromoform	ND	5.85	mg/kg
74-83-9	Bromomethane	ND	5.85	mg/kg
75-15-0	Carbon disulfide	ND	5.85	mg/kg
56-23-5	Carbon tetrachloride	ND	5.85	mg/kg
108-90-7	Chlorobenzene	ND	5.85	mg/kg
75-00-3	Chloroethane	ND	5.85	mg/kg
67-66-3	Chloroform	ND	5.85	mg/kg
74-87-3	Chloromethane	ND	5.85	mg/kg
156-59-2	cis-1,2-Dichloroethene	ND	5.85	mg/kg
10061-01-5	cis-1,3-Dichloropropene	ND	5.85	mg/kg
124-48-1	Dibromochloromethane	ND	5.85	mg/kg
74-95-3	Dibromomethane	ND	5.85	mg/kg
75-71-8	Dichlorodifluoromethane	ND	5.85	mg/kg
100-41-4	Ethylbenzene	ND	5.85	mg/kg
87-68-3	Hexachlorobutadiene	ND	5.85	mg/kg
98-82-8	Isopropylbenzene (Cumene)	ND	5.85	mg/kg
136777-61-2	m,p-Xylene	ND	5.85	mg/kg
74-88-4	Methyl iodide	ND	5.85	mg/kg
75-09-2	Methylene chloride	ND	11.7	mg/kg
91-20-3	Naphthalene	ND	5.85	mg/kg
104-51-8	n-Butylbenzene	ND	5.85	mg/kg
103-65-1	n-Propylbenzene	ND	5.85	mg/kg
95-47-6	o-Xylene	ND	5.85	mg/kg
135-98-8	sec-Butylbenzene	ND	5.85	mg/kg
100-42-5	Styrene	ND	5.85	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	5.85	mg/kg
98-06-6	tert-Butylbenzene	ND	5.85	mg/kg
108-88-3	Toluene	ND	5.85	mg/kg
156-60-5	trans-1,2-Dichloroethene	ND	5.85	mg/kg
10061-02-6	trans-1,3-Dichloropropene	ND	5.85	mg/kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.85	mg/kg
79-01-6	Trichloroethene	ND	5.85	mg/kg
75-69-4	Trichlorofluoromethane	ND	5.85	mg/kg
76-13-1	Trichlorotrifluoroethane	ND	5.85	mg/kg
75-01-4	Vinyl chloride	ND	5.85	mg/kg

Sample Results

WD-10 AT 10

Collect Date	11/17/2014 11:40	**GCAL ID**	21411206705
Receive Date	11/20/2014 09:40	**Matrix**	Solid

EPA 8260B (Continued) *Results Reported on Dry Weight Basis

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1000	11/26/2014 17:45	CLH	545925

CAS#	Parameter	Result	LOQ	Units
1330-20-7	Xylene (total)	ND	11.7	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	51.90	50.1	ug/Kg	97	62 - 127
1868-53-7	Dibromofluoromethane	51.90	51.5	ug/Kg	99	65 - 130
2037-26-5	Toluene d8	51.90	50.6	ug/Kg	98	71 - 132
17060-07-0	1,2-Dichloroethane-d4	51.90	53.1	ug/Kg	102	62 - 125

EPA 8260B *Results Reported on Dry Weight Basis

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	20000	11/26/2014 16:05	LBH	545925

CAS#	Parameter	Result	LOQ	Units
127-18-4	Tetrachloroethene	327	117	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	1040	1030	ug/Kg	99	62 - 127
1868-53-7	Dibromofluoromethane	1040	1030	ug/Kg	99	65 - 130
2037-26-5	Toluene d8	1040	1060	ug/Kg	102	71 - 132
17060-07-0	1,2-Dichloroethane-d4	1040	1090	ug/Kg	105	62 - 125

WD-10 AT 27

Collect Date	11/17/2014 11:40	**GCAL ID**	21411206706
Receive Date	11/20/2014 09:40	**Matrix**	Solid

EPA 8260B *Results Reported on Dry Weight Basis

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/26/2014 22:26	JCK	545977

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.00587	mg/kg
71-55-6	1,1,1-Trichloroethane	ND	0.00587	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.00587	mg/kg
79-00-5	1,1,2-Trichloroethane	ND	0.00587	mg/kg
75-34-3	1,1-Dichloroethane	ND	0.00587	mg/kg
75-35-4	1,1-Dichloroethene	ND	0.00587	mg/kg
563-58-6	1,1-Dichloropropene	ND	0.00587	mg/kg
96-18-4	1,2,3-Trichloropropane	ND	0.00587	mg/kg
120-82-1	1,2,4-Trichlorobenzene	ND	0.00587	mg/kg
95-63-6	1,2,4-Trimethylbenzene	ND	0.00587	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.00587	mg/kg
106-93-4	1,2-Dibromoethane	ND	0.00587	mg/kg
95-50-1	1,2-Dichlorobenzene	ND	0.00587	mg/kg
107-06-2	1,2-Dichloroethane	ND	0.00587	mg/kg

Sample Results

WD-10 AT 27	Collect Date	11/17/2014 11:40	GCAL ID	21411206706
	Receive Date	11/20/2014 09:40	Matrix	Solid

EPA 8260B (Continued)

*Results Reported on Dry Weight Basis

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/26/2014 22:26	JCK	545977

CAS#	Parameter	Result	LOQ	Units
540-59-0	**1,2-Dichloroethene(Total)**	**0.039**	**0.012**	**mg/kg**
78-87-5	1,2-Dichloropropane	ND	0.00587	mg/kg
108-67-8	1,3,5-Trimethylbenzene	ND	0.00587	mg/kg
541-73-1	1,3-Dichlorobenzene	ND	0.00587	mg/kg
142-28-9	1,3-Dichloropropane	ND	0.00587	mg/kg
106-46-7	1,4-Dichlorobenzene	ND	0.00587	mg/kg
594-20-7	2,2-Dichloropropane	ND	0.00587	mg/kg
78-93-3	2-Butanone	ND	0.00587	mg/kg
95-49-8	2-Chlorotoluene	ND	0.00587	mg/kg
591-78-6	2-Hexanone	ND	0.00587	mg/kg
106-43-4	4-Chlorotoluene	ND	0.00587	mg/kg
99-87-6	4-Isopropyltoluene	ND	0.00587	mg/kg
108-10-1	4-Methyl-2-pentanone	ND	0.00587	mg/kg
67-64-1	Acetone	ND	0.029	mg/kg
71-43-2	Benzene	ND	0.00587	mg/kg
108-86-1	Bromobenzene	ND	0.00587	mg/kg
74-97-5	Bromochloromethane	ND	0.00587	mg/kg
75-27-4	Bromodichloromethane	ND	0.00587	mg/kg
75-25-2	Bromoform	ND	0.00587	mg/kg
74-83-9	Bromomethane	ND	0.00587	mg/kg
75-15-0	Carbon disulfide	ND	0.00587	mg/kg
56-23-5	Carbon tetrachloride	ND	0.00587	mg/kg
108-90-7	Chlorobenzene	ND	0.00587	mg/kg
75-00-3	Chloroethane	ND	0.00587	mg/kg
67-66-3	Chloroform	ND	0.00587	mg/kg
74-87-3	Chloromethane	ND	0.00587	mg/kg
156-59-2	**cis-1,2-Dichloroethene**	**0.039**	**0.00587**	**mg/kg**
10061-01-5	cis-1,3-Dichloropropene	ND	0.00587	mg/kg
124-48-1	Dibromochloromethane	ND	0.00587	mg/kg
74-95-3	Dibromomethane	ND	0.00587	mg/kg
75-71-8	Dichlorodifluoromethane	ND	0.00587	mg/kg
100-41-4	Ethylbenzene	ND	0.00587	mg/kg
87-68-3	Hexachlorobutadiene	ND	0.00587	mg/kg
98-82-8	Isopropylbenzene (Cumene)	ND	0.00587	mg/kg
136777-61-2	m,p-Xylene	ND	0.00587	mg/kg
75-09-2	Methylene chloride	ND	0.012	mg/kg
91-20-3	Naphthalene	ND	0.00587	mg/kg
104-51-8	n-Butylbenzene	ND	0.00587	mg/kg
103-65-1	n-Propylbenzene	ND	0.00587	mg/kg
95-47-6	o-Xylene	ND	0.00587	mg/kg
135-98-8	sec-Butylbenzene	ND	0.00587	mg/kg
100-42-5	Styrene	ND	0.00587	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	0.00587	mg/kg
98-06-6	tert-Butylbenzene	ND	0.00587	mg/kg
127-18-4	**Tetrachloroethene**	**0.040**	**0.00587**	**mg/kg**
108-88-3	Toluene	ND	0.00587	mg/kg
156-60-5	trans-1,2-Dichloroethene	ND	0.00587	mg/kg
10061-02-6	trans-1,3-Dichloropropene	ND	0.00587	mg/kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	0.00587	mg/kg
79-01-6	**Trichloroethene**	**0.010**	**0.00587**	**mg/kg**
75-69-4	Trichlorofluoromethane	ND	0.00587	mg/kg
76-13-1	Trichlorotrifluoroethane	ND	0.00587	mg/kg
75-01-4	Vinyl chloride	ND	0.00587	mg/kg

Sample Results

WD-10 AT 27

Collect Date	11/17/2014 11:40	**GCAL ID**	21411206706
Receive Date	11/20/2014 09:40	**Matrix**	Solid

EPA 8260B (Continued) *Results Reported on Dry Weight Basis

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/26/2014 22:26	JCK	545977

CAS#	Parameter	Result	LOQ	Units
1330-20-7	Xylene (total)	ND	0.012	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	0.0450	.044	ug/Kg	98	62 - 127
1868-53-7	Dibromofluoromethane	0.0450	.041	ug/Kg	93	65 - 130
2037-26-5	Toluene d8	0.0450	.044	ug/Kg	98	71 - 132
17060-07-0	1,2-Dichloroethane-d4	0.0450	.048	ug/Kg	108	62 - 125

EPA 8260B *Results Reported on Dry Weight Basis

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	50	11/26/2014 21:46	JCK	545925

CAS#	Parameter	Result	LOQ	Units
74-88-4	Methyl iodide	ND	0.313	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2.39	2.24	ug/Kg	94	62 - 127
1868-53-7	Dibromofluoromethane	2.39	2.31	ug/Kg	97	65 - 130
2037-26-5	Toluene d8	2.39	2.44	ug/Kg	102	71 - 132
17060-07-0	1,2-Dichloroethane-d4	2.39	2.48	ug/Kg	104	62 - 125

WD-11 AT 10

Collect Date	11/17/2014 13:15	**GCAL ID**	21411206707
Receive Date	11/20/2014 09:40	**Matrix**	Solid

EPA 8260B *Results Reported on Dry Weight Basis

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	200	11/26/2014 18:06	CLH	545925

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.925	mg/kg
71-55-6	1,1,1-Trichloroethane	ND	0.925	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.925	mg/kg
79-00-5	1,1,2-Trichloroethane	ND	0.925	mg/kg
75-34-3	1,1-Dichloroethane	ND	0.925	mg/kg
75-35-4	1,1-Dichloroethene	ND	0.925	mg/kg
563-58-6	1,1-Dichloropropene	ND	0.925	mg/kg
96-18-4	1,2,3-Trichloropropane	ND	0.925	mg/kg
120-82-1	1,2,4-Trichlorobenzene	ND	0.925	mg/kg
95-63-6	1,2,4-Trimethylbenzene	ND	0.925	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.925	mg/kg
106-93-4	1,2-Dibromoethane	ND	0.925	mg/kg
95-50-1	1,2-Dichlorobenzene	ND	0.925	mg/kg
107-06-2	1,2-Dichloroethane	ND	0.925	mg/kg

Sample Results

WD-11 AT 10	**Collect Date**	11/17/2014 13:15	**GCAL ID**	21411206707
	Receive Date	11/20/2014 09:40	**Matrix**	Solid

EPA 8260B (Continued)

*Results Reported on Dry Weight Basis

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	200	11/26/2014 18:06	CLH	545925

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	ND	1.85	mg/kg
78-87-5	1,2-Dichloropropane	ND	0.925	mg/kg
108-67-8	1,3,5-Trimethylbenzene	ND	0.925	mg/kg
541-73-1	1,3-Dichlorobenzene	ND	0.925	mg/kg
142-28-9	1,3-Dichloropropane	ND	0.925	mg/kg
106-46-7	1,4-Dichlorobenzene	ND	0.925	mg/kg
594-20-7	2,2-Dichloropropane	ND	0.925	mg/kg
78-93-3	2-Butanone	ND	0.925	mg/kg
95-49-8	2-Chlorotoluene	ND	0.925	mg/kg
591-78-6	2-Hexanone	ND	0.925	mg/kg
106-43-4	4-Chlorotoluene	ND	0.925	mg/kg
99-87-6	4-Isopropyltoluene	ND	0.925	mg/kg
108-10-1	4-Methyl-2-pentanone	ND	0.925	mg/kg
67-64-1	Acetone	ND	4.62	mg/kg
71-43-2	Benzene	ND	0.925	mg/kg
108-86-1	Bromobenzene	ND	0.925	mg/kg
74-97-5	Bromochloromethane	ND	0.925	mg/kg
75-27-4	Bromodichloromethane	ND	0.925	mg/kg
75-25-2	Bromoform	ND	0.925	mg/kg
74-83-9	Bromomethane	ND	0.925	mg/kg
75-15-0	Carbon disulfide	ND	0.925	mg/kg
56-23-5	Carbon tetrachloride	ND	0.925	mg/kg
108-90-7	Chlorobenzene	ND	0.925	mg/kg
75-00-3	Chloroethane	ND	0.925	mg/kg
67-66-3	Chloroform	ND	0.925	mg/kg
74-87-3	Chloromethane	ND	0.925	mg/kg
156-59-2	**cis-1,2-Dichloroethene**	**1.57**	**0.925**	**mg/kg**
10061-01-5	cis-1,3-Dichloropropene	ND	0.925	mg/kg
124-48-1	Dibromochloromethane	ND	0.925	mg/kg
74-95-3	Dibromomethane	ND	0.925	mg/kg
75-71-8	Dichlorodifluoromethane	ND	0.925	mg/kg
100-41-4	Ethylbenzene	ND	0.925	mg/kg
87-68-3	Hexachlorobutadiene	ND	0.925	mg/kg
98-82-8	Isopropylbenzene (Cumene)	ND	0.925	mg/kg
136777-61-2	m,p-Xylene	ND	0.925	mg/kg
74-88-4	Methyl iodide	ND	0.925	mg/kg
75-09-2	Methylene chloride	ND	1.85	mg/kg
91-20-3	Naphthalene	ND	0.925	mg/kg
104-51-8	n-Butylbenzene	ND	0.925	mg/kg
103-65-1	n-Propylbenzene	ND	0.925	mg/kg
95-47-6	o-Xylene	ND	0.925	mg/kg
135-98-8	sec-Butylbenzene	ND	0.925	mg/kg
100-42-5	Styrene	ND	0.925	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	0.925	mg/kg
98-06-6	tert-Butylbenzene	ND	0.925	mg/kg
108-88-3	Toluene	ND	0.925	mg/kg
156-60-5	trans-1,2-Dichloroethene	ND	0.925	mg/kg
10061-02-6	trans-1,3-Dichloropropene	ND	0.925	mg/kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	0.925	mg/kg
79-01-6	**Trichloroethene**	**2.24**	**0.925**	**mg/kg**
75-69-4	Trichlorofluoromethane	ND	0.925	mg/kg
76-13-1	Trichlorotrifluoroethane	ND	0.925	mg/kg
75-01-4	Vinyl chloride	ND	0.925	mg/kg

Sample Results

WD-11 AT 10

Collect Date	11/17/2014 13:15	**GCAL ID**	21411206707
Receive Date	11/20/2014 09:40	**Matrix**	Solid

EPA 8260B (Continued) *Results Reported on Dry Weight Basis

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	200	11/26/2014 18:06	CLH	545925

CAS#	Parameter	Result	LOQ	Units
1330-20-7	Xylene (total)	ND	1.85	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	8.01	7.63	ug/Kg	95	62 - 127
1868-53-7	Dibromofluoromethane	8.01	7.95	ug/Kg	99	65 - 130
2037-26-5	Toluene d8	8.01	8.02	ug/Kg	100	71 - 132
17060-07-0	1,2-Dichloroethane-d4	8.01	8.35	ug/Kg	104	62 - 125

EPA 8260B *Results Reported on Dry Weight Basis

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	2000	11/26/2014 16:25	LBH	545925

CAS#	Parameter	Result	LOQ	Units
127-18-4	Tetrachloroethene	150	9.25	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	80.10	78	ug/Kg	97	62 - 127
1868-53-7	Dibromofluoromethane	80.10	79.4	ug/Kg	99	65 - 130
2037-26-5	Toluene d8	80.10	80	ug/Kg	100	71 - 132
17060-07-0	1,2-Dichloroethane-d4	80.10	82.4	ug/Kg	103	62 - 125

WD-11 AT 22

Collect Date	11/17/2014 13:15	**GCAL ID**	21411206708
Receive Date	11/20/2014 09:40	**Matrix**	Solid

EPA 8260B *Results Reported on Dry Weight Basis

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	50	11/26/2014 22:06	JCK	545925

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.302	mg/kg
71-55-6	1,1,1-Trichloroethane	ND	0.302	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.302	mg/kg
79-00-5	1,1,2-Trichloroethane	ND	0.302	mg/kg
75-34-3	1,1-Dichloroethane	ND	0.302	mg/kg
75-35-4	1,1-Dichloroethene	ND	0.302	mg/kg
563-58-6	1,1-Dichloropropene	ND	0.302	mg/kg
96-18-4	1,2,3-Trichloropropane	ND	0.302	mg/kg
120-82-1	1,2,4-Trichlorobenzene	ND	0.302	mg/kg
95-63-6	1,2,4-Trimethylbenzene	ND	0.302	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.302	mg/kg
106-93-4	1,2-Dibromoethane	ND	0.302	mg/kg
95-50-1	1,2-Dichlorobenzene	ND	0.302	mg/kg
107-06-2	1,2-Dichloroethane	ND	0.302	mg/kg

Sample Results

WD-11 AT 22	**Collect Date**	11/17/2014 13:15	**GCAL ID**	21411206708
	Receive Date	11/20/2014 09:40	**Matrix**	Solid

EPA 8260B (Continued)

*Results Reported on Dry Weight Basis

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	50	11/26/2014 22:06	JCK	545925

CAS#	Parameter	Result	LOQ	Units
540-59-0	**1,2-Dichloroethene(Total)**	**0.660**	**0.605**	**mg/kg**
78-87-5	1,2-Dichloropropane	ND	0.302	mg/kg
108-67-8	1,3,5-Trimethylbenzene	ND	0.302	mg/kg
541-73-1	1,3-Dichlorobenzene	ND	0.302	mg/kg
142-28-9	1,3-Dichloropropane	ND	0.302	mg/kg
106-46-7	1,4-Dichlorobenzene	ND	0.302	mg/kg
594-20-7	2,2-Dichloropropane	ND	0.302	mg/kg
78-93-3	2-Butanone	ND	0.302	mg/kg
95-49-8	2-Chlorotoluene	ND	0.302	mg/kg
591-78-6	2-Hexanone	ND	0.302	mg/kg
106-43-4	4-Chlorotoluene	ND	0.302	mg/kg
99-87-6	4-Isopropyltoluene	ND	0.302	mg/kg
108-10-1	4-Methyl-2-pentanone	ND	0.302	mg/kg
67-64-1	Acetone	ND	1.51	mg/kg
71-43-2	Benzene	ND	0.302	mg/kg
108-86-1	Bromobenzene	ND	0.302	mg/kg
74-97-5	Bromochloromethane	ND	0.302	mg/kg
75-27-4	Bromodichloromethane	ND	0.302	mg/kg
75-25-2	Bromoform	ND	0.302	mg/kg
74-83-9	Bromomethane	ND	0.302	mg/kg
75-15-0	Carbon disulfide	ND	0.302	mg/kg
56-23-5	Carbon tetrachloride	ND	0.302	mg/kg
108-90-7	Chlorobenzene	ND	0.302	mg/kg
75-00-3	Chloroethane	ND	0.302	mg/kg
67-66-3	Chloroform	ND	0.302	mg/kg
74-87-3	Chloromethane	ND	0.302	mg/kg
156-59-2	**cis-1,2-Dichloroethene**	**0.660**	**0.302**	**mg/kg**
10061-01-5	cis-1,3-Dichloropropene	ND	0.302	mg/kg
124-48-1	Dibromochloromethane	ND	0.302	mg/kg
74-95-3	Dibromomethane	ND	0.302	mg/kg
75-71-8	Dichlorodifluoromethane	ND	0.302	mg/kg
100-41-4	Ethylbenzene	ND	0.302	mg/kg
87-68-3	Hexachlorobutadiene	ND	0.302	mg/kg
98-82-8	Isopropylbenzene (Cumene)	ND	0.302	mg/kg
136777-61-2	m,p-Xylene	ND	0.302	mg/kg
74-88-4	Methyl iodide	ND	0.302	mg/kg
75-09-2	Methylene chloride	ND	0.605	mg/kg
91-20-3	Naphthalene	ND	0.302	mg/kg
104-51-8	n-Butylbenzene	ND	0.302	mg/kg
103-65-1	n-Propylbenzene	ND	0.302	mg/kg
95-47-6	o-Xylene	ND	0.302	mg/kg
135-98-8	sec-Butylbenzene	ND	0.302	mg/kg
100-42-5	Styrene	ND	0.302	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	0.302	mg/kg
98-06-6	tert-Butylbenzene	ND	0.302	mg/kg
127-18-4	**Tetrachloroethene**	**10.9**	**0.302**	**mg/kg**
108-88-3	Toluene	ND	0.302	mg/kg
156-60-5	trans-1,2-Dichloroethene	ND	0.302	mg/kg
10061-02-6	trans-1,3-Dichloropropene	ND	0.302	mg/kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	0.302	mg/kg
79-01-6	**Trichloroethene**	**0.675**	**0.302**	**mg/kg**
75-69-4	Trichlorofluoromethane	ND	0.302	mg/kg
76-13-1	Trichlorotrifluoroethane	ND	0.302	mg/kg
75-01-4	Vinyl chloride	ND	0.302	mg/kg

Sample Results

WD-11 AT 22

Collect Date	11/17/2014 13:15	**GCAL ID**	21411206708
Receive Date	11/20/2014 09:40	**Matrix**	Solid

EPA 8260B (Continued) *Results Reported on Dry Weight Basis

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	50	11/26/2014 22:06	JCK	545925

CAS#	Parameter	Result	LOQ	Units
1330-20-7	Xylene (total)	ND	0.605	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2.42	2.31	ug/Kg	95	62 - 127
1868-53-7	Dibromofluoromethane	2.42	2.32	ug/Kg	96	65 - 130
2037-26-5	Toluene d8	2.42	2.44	ug/Kg	101	71 - 132
17060-07-0	1,2-Dichloroethane-d4	2.42	2.53	ug/Kg	104	62 - 125

WD-12 AT 15

Collect Date	11/17/2014 14:00	**GCAL ID**	21411206709
Receive Date	11/20/2014 09:40	**Matrix**	Solid

EPA 8260B *Results Reported on Dry Weight Basis

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	50	11/26/2014 20:26	CLH	545925

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.291	mg/kg
71-55-6	1,1,1-Trichloroethane	ND	0.291	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.291	mg/kg
79-00-5	1,1,2-Trichloroethane	ND	0.291	mg/kg
75-34-3	1,1-Dichloroethane	ND	0.291	mg/kg
75-35-4	1,1-Dichloroethene	ND	0.291	mg/kg
563-58-6	1,1-Dichloropropene	ND	0.291	mg/kg
96-18-4	1,2,3-Trichloropropane	ND	0.291	mg/kg
120-82-1	1,2,4-Trichlorobenzene	ND	0.291	mg/kg
95-63-6	1,2,4-Trimethylbenzene	ND	0.291	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.291	mg/kg
106-93-4	1,2-Dibromoethane	ND	0.291	mg/kg
95-50-1	1,2-Dichlorobenzene	ND	0.291	mg/kg
107-06-2	1,2-Dichloroethane	ND	0.291	mg/kg
540-59-0	**1,2-Dichloroethene(Total)**	**1.74**	**0.581**	**mg/kg**
78-87-5	1,2-Dichloropropane	ND	0.291	mg/kg
108-67-8	1,3,5-Trimethylbenzene	ND	0.291	mg/kg
541-73-1	1,3-Dichlorobenzene	ND	0.291	mg/kg
142-28-9	1,3-Dichloropropane	ND	0.291	mg/kg
106-46-7	1,4-Dichlorobenzene	ND	0.291	mg/kg
594-20-7	2,2-Dichloropropane	ND	0.291	mg/kg
78-93-3	2-Butanone	ND	0.291	mg/kg
95-49-8	2-Chlorotoluene	ND	0.291	mg/kg
591-78-6	2-Hexanone	ND	0.291	mg/kg
106-43-4	4-Chlorotoluene	ND	0.291	mg/kg
99-87-6	4-Isopropyltoluene	ND	0.291	mg/kg
108-10-1	4-Methyl-2-pentanone	ND	0.291	mg/kg
67-64-1	Acetone	ND	1.45	mg/kg
71-43-2	Benzene	ND	0.291	mg/kg
108-86-1	Bromobenzene	ND	0.291	mg/kg
74-97-5	Bromochloromethane	ND	0.291	mg/kg
75-27-4	Bromodichloromethane	ND	0.291	mg/kg

Sample Results

WD-12 AT 15	**Collect Date**	11/17/2014 14:00	**GCAL ID**	21411206709
	Receive Date	11/20/2014 09:40	**Matrix**	Solid

EPA 8260B (Continued)

*Results Reported on Dry Weight Basis

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	50	11/26/2014 20:26	CLH	545925

CAS#	Parameter	Result	LOQ	Units
75-25-2	Bromoform	ND	0.291	mg/kg
74-83-9	Bromomethane	ND	0.291	mg/kg
75-15-0	Carbon disulfide	ND	0.291	mg/kg
56-23-5	Carbon tetrachloride	ND	0.291	mg/kg
108-90-7	Chlorobenzene	ND	0.291	mg/kg
75-00-3	Chloroethane	ND	0.291	mg/kg
67-66-3	Chloroform	ND	0.291	mg/kg
74-87-3	Chloromethane	ND	0.291	mg/kg
156-59-2	**cis-1,2-Dichloroethene**	**1.72**	**0.291**	**mg/kg**
10061-01-5	cis-1,3-Dichloropropene	ND	0.291	mg/kg
124-48-1	Dibromochloromethane	ND	0.291	mg/kg
74-95-3	Dibromomethane	ND	0.291	mg/kg
75-71-8	Dichlorodifluoromethane	ND	0.291	mg/kg
100-41-4	Ethylbenzene	ND	0.291	mg/kg
87-68-3	Hexachlorobutadiene	ND	0.291	mg/kg
98-82-8	Isopropylbenzene (Cumene)	ND	0.291	mg/kg
136777-61-2	m,p-Xylene	ND	0.291	mg/kg
74-88-4	Methyl iodide	ND	0.291	mg/kg
75-09-2	Methylene chloride	ND	0.581	mg/kg
91-20-3	Naphthalene	ND	0.291	mg/kg
104-51-8	n-Butylbenzene	ND	0.291	mg/kg
103-65-1	n-Propylbenzene	ND	0.291	mg/kg
95-47-6	o-Xylene	ND	0.291	mg/kg
135-98-8	sec-Butylbenzene	ND	0.291	mg/kg
100-42-5	Styrene	ND	0.291	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	0.291	mg/kg
98-06-6	tert-Butylbenzene	ND	0.291	mg/kg
127-18-4	**Tetrachloroethene**	**7.13**	**0.291**	**mg/kg**
108-88-3	Toluene	ND	0.291	mg/kg
156-60-5	trans-1,2-Dichloroethene	ND	0.291	mg/kg
10061-02-6	trans-1,3-Dichloropropene	ND	0.291	mg/kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	0.291	mg/kg
79-01-6	**Trichloroethene**	**2.02**	**0.291**	**mg/kg**
75-69-4	Trichlorofluoromethane	ND	0.291	mg/kg
76-13-1	Trichlorotrifluoroethane	ND	0.291	mg/kg
75-01-4	Vinyl chloride	ND	0.291	mg/kg
1330-20-7	Xylene (total)	ND	0.581	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2.27	2.18	ug/Kg	96	62 - 127
1868-53-7	Dibromofluoromethane	2.27	2.2	ug/Kg	97	65 - 130
2037-26-5	Toluene d8	2.27	2.32	ug/Kg	102	71 - 132
17060-07-0	1,2-Dichloroethane-d4	2.27	2.38	ug/Kg	105	62 - 125

Sample Results

WD-12 AT 22.5	Collect Date	11/17/2014 14:00	GCAL ID	21411206710
	Receive Date	11/20/2014 09:40	Matrix	Solid

EPA 8260B *Results Reported on Dry Weight Basis

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/26/2014 22:47	JCK	545977

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.00703	mg/kg
71-55-6	1,1,1-Trichloroethane	ND	0.00703	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.00703	mg/kg
79-00-5	1,1,2-Trichloroethane	ND	0.00703	mg/kg
75-34-3	1,1-Dichloroethane	ND	0.00703	mg/kg
75-35-4	1,1-Dichloroethene	ND	0.00703	mg/kg
563-58-6	1,1-Dichloropropene	ND	0.00703	mg/kg
96-18-4	1,2,3-Trichloropropane	ND	0.00703	mg/kg
120-82-1	1,2,4-Trichlorobenzene	ND	0.00703	mg/kg
95-63-6	1,2,4-Trimethylbenzene	ND	0.00703	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.00703	mg/kg
106-93-4	1,2-Dibromoethane	ND	0.00703	mg/kg
95-50-1	1,2-Dichlorobenzene	ND	0.00703	mg/kg
107-06-2	1,2-Dichloroethane	ND	0.00703	mg/kg
540-59-0	**1,2-Dichloroethene(Total)**	**0.134**	**0.014**	**mg/kg**
78-87-5	1,2-Dichloropropane	ND	0.00703	mg/kg
108-67-8	1,3,5-Trimethylbenzene	ND	0.00703	mg/kg
541-73-1	1,3-Dichlorobenzene	ND	0.00703	mg/kg
142-28-9	1,3-Dichloropropane	ND	0.00703	mg/kg
106-46-7	1,4-Dichlorobenzene	ND	0.00703	mg/kg
594-20-7	2,2-Dichloropropane	ND	0.00703	mg/kg
78-93-3	2-Butanone	ND	0.00703	mg/kg
95-49-8	2-Chlorotoluene	ND	0.00703	mg/kg
591-78-6	2-Hexanone	ND	0.00703	mg/kg
106-43-4	4-Chlorotoluene	ND	0.00703	mg/kg
99-87-6	4-Isopropyltoluene	ND	0.00703	mg/kg
108-10-1	4-Methyl-2-pentanone	ND	0.00703	mg/kg
67-64-1	Acetone	ND	0.035	mg/kg
71-43-2	Benzene	ND	0.00703	mg/kg
108-86-1	Bromobenzene	ND	0.00703	mg/kg
74-97-5	Bromochloromethane	ND	0.00703	mg/kg
75-27-4	Bromodichloromethane	ND	0.00703	mg/kg
75-25-2	Bromoform	ND	0.00703	mg/kg
74-83-9	Bromomethane	ND	0.00703	mg/kg
75-15-0	Carbon disulfide	ND	0.00703	mg/kg
56-23-5	Carbon tetrachloride	ND	0.00703	mg/kg
108-90-7	Chlorobenzene	ND	0.00703	mg/kg
75-00-3	Chloroethane	ND	0.00703	mg/kg
67-66-3	Chloroform	ND	0.00703	mg/kg
74-87-3	Chloromethane	ND	0.00703	mg/kg
156-59-2	**cis-1,2-Dichloroethene**	**0.133**	**0.00703**	**mg/kg**
10061-01-5	cis-1,3-Dichloropropene	ND	0.00703	mg/kg
124-48-1	Dibromochloromethane	ND	0.00703	mg/kg
74-95-3	Dibromomethane	ND	0.00703	mg/kg
75-71-8	Dichlorodifluoromethane	ND	0.00703	mg/kg
100-41-4	Ethylbenzene	ND	0.00703	mg/kg
87-68-3	Hexachlorobutadiene	ND	0.00703	mg/kg
98-82-8	Isopropylbenzene (Cumene)	ND	0.00703	mg/kg
136777-61-2	m,p-Xylene	ND	0.00703	mg/kg
75-09-2	Methylene chloride	ND	0.014	mg/kg
91-20-3	Naphthalene	ND	0.00703	mg/kg
104-51-8	n-Butylbenzene	ND	0.00703	mg/kg
103-65-1	n-Propylbenzene	ND	0.00703	mg/kg
95-47-6	o-Xylene	ND	0.00703	mg/kg

Sample Results

WD-12 AT 22.5

Collect Date	11/17/2014 14:00	**GCAL ID**	21411206710
Receive Date	11/20/2014 09:40	**Matrix**	Solid

EPA 8260B (Continued) *Results Reported on Dry Weight Basis

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/26/2014 22:47	JCK	545977

CAS#	Parameter	Result	LOQ	Units
135-98-8	sec-Butylbenzene	ND	0.00703	mg/kg
100-42-5	Styrene	ND	0.00703	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	0.00703	mg/kg
98-06-6	tert-Butylbenzene	ND	0.00703	mg/kg
127-18-4	**Tetrachloroethene**	**0.038**	**0.00703**	**mg/kg**
108-88-3	Toluene	ND	0.00703	mg/kg
156-60-5	trans-1,2-Dichloroethene	ND	0.00703	mg/kg
10061-02-6	trans-1,3-Dichloropropene	ND	0.00703	mg/kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	0.00703	mg/kg
79-01-6	**Trichloroethene**	**0.023**	**0.00703**	**mg/kg**
75-69-4	Trichlorofluoromethane	ND	0.00703	mg/kg
76-13-1	Trichlorotrifluoroethane	ND	0.00703	mg/kg
75-01-4	Vinyl chloride	ND	0.00703	mg/kg
1330-20-7	Xylene (total)	ND	0.014	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	0.0550	.052	ug/Kg	95	62 - 127
1868-53-7	Dibromofluoromethane	0.0550	.05	ug/Kg	92	65 - 130
2037-26-5	Toluene d8	0.0550	.054	ug/Kg	99	71 - 132
17060-07-0	1,2-Dichloroethane-d4	0.0550	.056	ug/Kg	103	62 - 125

EPA 8260B *Results Reported on Dry Weight Basis

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	50	11/26/2014 20:46	CLH	545925

CAS#	Parameter	Result	LOQ	Units
74-88-4	Methyl iodide	ND	0.283	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2.20	2.08	ug/Kg	95	62 - 127
1868-53-7	Dibromofluoromethane	2.20	2.09	ug/Kg	95	65 - 130
2037-26-5	Toluene d8	2.20	2.24	ug/Kg	102	71 - 132
17060-07-0	1,2-Dichloroethane-d4	2.20	2.28	ug/Kg	104	62 - 125

TRIP BLANK

Collect Date	11/17/2014 00:00	**GCAL ID**	21411206711
Receive Date	11/20/2014 09:40	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/21/2014 13:51	CLH	545605

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.00	ug/L

Sample Results

TRIP BLANK	**Collect Date**	11/17/2014 00:00	**GCAL ID**	21411206711
	Receive Date	11/20/2014 09:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/21/2014 13:51	CLH	545605

CAS#	Parameter	Result	LOQ	Units
71-55-6	1,1,1-Trichloroethane	ND	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	ND	5.00	ug/L
75-34-3	1,1-Dichloroethane	ND	5.00	ug/L
75-35-4	1,1-Dichloroethene	ND	5.00	ug/L
563-58-6	1,1-Dichloropropene	ND	5.00	ug/L
96-18-4	1,2,3-Trichloropropane	ND	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	5.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	5.00	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.00	ug/L
106-93-4	1,2-Dibromoethane	ND	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	ND	5.00	ug/L
107-06-2	1,2-Dichloroethane	ND	5.00	ug/L
540-59-0	1,2-Dichloroethene(Total)	ND	10.0	ug/L
78-87-5	1,2-Dichloropropane	ND	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	ND	5.00	ug/L
142-28-9	1,3-Dichloropropane	ND	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	ND	5.00	ug/L
594-20-7	2,2-Dichloropropane	ND	5.00	ug/L
78-93-3	2-Butanone	ND	5.00	ug/L
95-49-8	2-Chlorotoluene	ND	5.00	ug/L
591-78-6	2-Hexanone	ND	5.00	ug/L
106-43-4	4-Chlorotoluene	ND	5.00	ug/L
99-87-6	4-Isopropyltoluene	ND	5.00	ug/L
108-10-1	4-Methyl-2-pentanone	ND	5.00	ug/L
67-64-1	Acetone	ND	5.00	ug/L
71-43-2	Benzene	ND	5.00	ug/L
108-86-1	Bromobenzene	ND	5.00	ug/L
74-97-5	Bromochloromethane	ND	5.00	ug/L
75-27-4	Bromodichloromethane	ND	5.00	ug/L
75-25-2	Bromoform	ND	5.00	ug/L
74-83-9	Bromomethane	ND	5.00	ug/L
75-15-0	Carbon disulfide	ND	5.00	ug/L
56-23-5	Carbon tetrachloride	ND	5.00	ug/L
108-90-7	Chlorobenzene	ND	5.00	ug/L
75-00-3	Chloroethane	ND	5.00	ug/L
67-66-3	Chloroform	ND	5.00	ug/L
74-87-3	Chloromethane	ND	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	ND	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	5.00	ug/L
124-48-1	Dibromochloromethane	ND	5.00	ug/L
74-95-3	Dibromomethane	ND	5.00	ug/L
75-71-8	Dichlorodifluoromethane	ND	5.00	ug/L
100-41-4	Ethylbenzene	ND	5.00	ug/L
87-68-3	Hexachlorobutadiene	ND	5.00	ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	5.00	ug/L
136777-61-2	m,p-Xylene	ND	10.0	ug/L
74-88-4	Methyl iodide	ND	5.00	ug/L
75-09-2	Methylene chloride	ND	5.00	ug/L
91-20-3	Naphthalene	ND	5.00	ug/L
104-51-8	n-Butylbenzene	ND	5.00	ug/L
103-65-1	n-Propylbenzene	ND	5.00	ug/L
95-47-6	o-Xylene	ND	5.00	ug/L

Sample Results

TRIP BLANK	**Collect Date**	11/17/2014 00:00	**GCAL ID**	21411206711
	Receive Date	11/20/2014 09:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/21/2014 13:51	CLH	545605

CAS#	Parameter	Result	LOQ	Units
135-98-8	sec-Butylbenzene	ND	5.00	ug/L
100-42-5	Styrene	ND	5.00	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	5.00	ug/L
98-06-6	tert-Butylbenzene	ND	5.00	ug/L
127-18-4	Tetrachloroethene	ND	5.00	ug/L
108-88-3	Toluene	ND	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	5.00	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.00	ug/L
79-01-6	Trichloroethene	ND	5.00	ug/L
75-69-4	Trichlorofluoromethane	ND	5.00	ug/L
76-13-1	Trichlorotrifluoroethane	ND	5.00	ug/L
75-01-4	Vinyl chloride	ND	5.00	ug/L
1330-20-7	Xylene (total)	ND	15.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	47.2	ug/L	94	78 - 130
1868-53-7	Dibromofluoromethane	50	53.8	ug/L	108	77 - 127
2037-26-5	Toluene d8	50	55	ug/L	110	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	51.9	ug/L	104	71 - 127

GC/MS Volatiles Quality Control Summary

Analytical Batch 545605	Client ID	MB545605		LCS545605				LCSD545605				
	GCAL ID	1383366		1383367				1383368				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	11/21/2014 13:30		11/21/2014 11:03				11/21/2014 11:24				
	Matrix	Water		Water				Water				
EPA 8260B		Units Result	ug/L LOQ	Spike Added	Result	%R	Control Limits%R	Spike Added	Result	%R	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	630-20-6	ND	5.00	50.0	47.9	96	75 - 124	50.0	45.5	91	5	30
1,1,1-Trichloroethane	71-55-6	ND	5.00	50.0	49.1	98	76 - 126	50.0	45.3	91	8	30
1,1,2,2-Tetrachloroethane	79-34-5	ND	5.00	50.0	45.8	92	70 - 122	50.0	47.0	94	3	30
1,1,2-Trichloroethane	79-00-5	ND	5.00	50.0	45.5	91	72 - 121	50.0	46.0	92	1	30
1,1-Dichloroethane	75-34-3	ND	5.00	50.0	51.0	102	74 - 127	50.0	45.7	91	11	30
1,1-Dichloroethene	75-35-4	ND	5.00	50.0	47.1	94	69 - 129	50.0	44.7	89	5	20
1,1-Dichloropropene	563-58-6	ND	5.00	50.0	50.5	101	72 - 131	50.0	48.0	96	5	30
1,2,3-Trichloropropane	96-18-4	ND	5.00	50.0	44.3	89	70 - 120	50.0	44.3	89	0	30
1,2,4-Trichlorobenzene	120-82-1	ND	5.00	50.0	51.4	103	61 - 135	50.0	49.9	100	3	30
1,2,4-Trimethylbenzene	95-63-6	ND	5.00	50.0	49.4	99	74 - 125	50.0	47.4	95	4	30
1,2-Dibromo-3-chloropropane	96-12-8	ND	5.00	50.0	47.4	95	57 - 121	50.0	47.9	96	1	30
1,2-Dibromoethane	106-93-4	ND	5.00	50.0	45.3	91	70 - 124	50.0	46.7	93	3	30
1,2-Dichlorobenzene	95-50-1	ND	5.00	50.0	50.0	100	71 - 126	50.0	49.0	98	2	30
1,2-Dichloroethane	107-06-2	ND	5.00	50.0	48.3	97	71 - 129	50.0	47.0	94	3	30
1,2-Dichloroethene(Total)	540-59-0	ND	10.0	100	98.1	98	74 - 128	100	88.8	89	10	30
1,2-Dichloropropane	78-87-5	ND	5.00	50.0	50.2	100	72 - 128	50.0	46.6	93	7	30
1,3,5-Trimethylbenzene	108-67-8	ND	5.00	50.0	49.8	100	71 - 132	50.0	47.0	94	6	30
1,3-Dichlorobenzene	541-73-1	ND	5.00	50.0	51.8	104	74 - 126	50.0	48.7	97	6	30
1,3-Dichloropropane	142-28-9	ND	5.00	50.0	46.9	94	74 - 122	50.0	46.9	94	0	30
1,4-Dichlorobenzene	106-46-7	ND	5.00	50.0	49.1	98	72 - 122	50.0	47.9	96	2	30
2,2-Dichloropropane	594-20-7	ND	5.00	50.0	51.8	104	77 - 124	50.0	45.1	90	14	30
2-Butanone	78-93-3	ND	5.00	50.0	42.4	85	58 - 137	50.0	45.4	91	7	30
2-Chlorotoluene	95-49-8	ND	5.00	50.0	51.9	104	72 - 127	50.0	49.6	99	5	30
2-Hexanone	591-78-6	ND	5.00	50.0	44.6	89	50 - 135	50.0	46.0	92	3	30
4-Chlorotoluene	106-43-4	ND	5.00	50.0	54.4	109	75 - 126	50.0	51.3	103	6	30
4-Isopropyltoluene	99-87-6	ND	5.00	50.0	49.7	99	71 - 129	50.0	46.4	93	7	30
4-Methyl-2-pentanone	108-10-1	ND	5.00	50.0	43.0	86	57 - 132	50.0	45.9	92	7	30
Acetone	67-64-1	ND	5.00	50.0	43.3	87	44 - 156	50.0	43.7	87	1	30
Benzene	71-43-2	ND	5.00	50.0	50.6	101	70 - 129	50.0	48.2	96	5	20
Bromobenzene	108-86-1	ND	5.00	50.0	49.7	99	71 - 120	50.0	47.5	95	5	30
Bromochloromethane	74-97-5	ND	5.00	50.0	49.2	98	76 - 130	50.0	44.7	89	10	30
Bromodichloromethane	75-27-4	ND	5.00	50.0	50.4	101	74 - 125	50.0	47.8	96	5	30
Bromoform	75-25-2	ND	5.00	50.0	46.1	92	64 - 122	50.0	47.6	95	3	30
Bromomethane	74-83-9	ND	5.00	50.0	46.7	93	47 - 138	50.0	45.7	91	2	30
Carbon disulfide	75-15-0	ND	5.00	50.0	49.2	98	69 - 136	50.0	45.0	90	9	30
Carbon tetrachloride	56-23-5	ND	5.00	50.0	50.7	101	76 - 128	50.0	47.6	95	6	30
Chlorobenzene	108-90-7	ND	5.00	50.0	49.4	99	74 - 123	50.0	45.8	92	8	20
Chloroethane	75-00-3	ND	5.00	50.0	46.1	92	62 - 141	50.0	43.6	87	6	30
Chloroform	67-66-3	ND	5.00	50.0	47.8	96	75 - 122	50.0	43.7	87	9	30
Chloromethane	74-87-3	ND	5.00	50.0	47.3	95	59 - 132	50.0	45.2	90	5	30
cis-1,2-Dichloroethene	156-59-2	ND	5.00	50.0	47.8	96	73 - 130	50.0	44.2	88	8	30
cis-1,3-Dichloropropene	10061-01-5	ND	5.00	50.0	52.2	104	71 - 132	50.0	49.7	99	5	30
Dibromochloromethane	124-48-1	ND	5.00	50.0	48.3	97	71 - 123	50.0	47.6	95	1	30
Dibromomethane	74-95-3	ND	5.00	50.0	46.7	93	72 - 129	50.0	46.3	93	1	30
Dichlorodifluoromethane	75-71-8	ND	5.00	50.0	41.9	84	58 - 140	50.0	39.0	78	7	30
Ethylbenzene	100-41-4	ND	5.00	50.0	52.6	105	74 - 126	50.0	50.3	101	4	30
Hexachlorobutadiene	87-68-3	ND	5.00	50.0	51.1	102	61 - 144	50.0	47.4	95	8	30
Isopropylbenzene (Cumene)	98-82-8	ND	5.00	50.0	47.7	95	71 - 125	50.0	45.0	90	6	30
m,p-Xylene	136777-61-2	ND	10.0	100	98.7	99	74 - 126	100	93.1	93	6	30
Methyl iodide	74-88-4	ND	5.00	50.0	37.9	76	57 - 141	50.0	39.0	78	3	30
Methylene chloride	75-09-2	ND	5.00	50.0	50.4	101	68 - 132	50.0	46.4	93	8	30
Naphthalene	91-20-3	ND	5.00	50.0	44.5	89	57 - 138	50.0	45.8	92	3	35
n-Butylbenzene	104-51-8	ND	5.00	50.0	49.0	98	69 - 134	50.0	46.0	92	6	30
n-Propylbenzene	103-65-1	ND	5.00	50.0	54.1	108	75 - 129	50.0	50.4	101	7	30
o-Xylene	95-47-6	ND	5.00	50.0	47.1	94	73 - 130	50.0	45.1	90	4	30
sec-Butylbenzene	135-98-8	ND	5.00	50.0	49.7	99	70 - 136	50.0	46.6	93	6	30
Styrene	100-42-5	ND	5.00	50.0	48.9	98	71 - 127	50.0	46.9	94	4	30
tert-Butyl methyl ether (MTBE)	1634-04-4	ND	5.00	50.0	46.2	92	71 - 125	50.0	45.6	91	1	30

GC/MS Volatiles Quality Control Summary

Analytical Batch 545605	Client ID	MB545605		LCS545605				LCSD545605				
	GCAL ID	1383366		1383367				1383368				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	11/21/2014 13:30		11/21/2014 11:03				11/21/2014 11:24				
	Matrix	Water		Water				Water				
EPA 8260B		Units Result	ug/L LOQ	Spike Added	Result	%R	Control Limits%R	Spike Added	Result	%R	RPD	RPD Limit
tert-Butylbenzene	98-06-6	ND	5.00	50.0	56.2	112	72 - 126	50.0	52.6	105	7	30
Tetrachloroethene	127-18-4	ND	5.00	50.0	48.3	97	68 - 128	50.0	45.9	92	5	30
Toluene	108-88-3	ND	5.00	50.0	47.1	94	72 - 120	50.0	45.2	90	4	20
trans-1,2-Dichloroethene	156-60-5	ND	5.00	50.0	50.4	101	69 - 132	50.0	44.5	89	12	30
trans-1,3-Dichloropropene	10061-02-6	ND	5.00	50.0	53.0	106	71 - 131	50.0	51.6	103	3	30
trans-1,4-Dichloro-2-butene	110-57-6	ND	5.00	50.0	47.2	94	56 - 132	50.0	46.1	92	2	30
Trichloroethene	79-01-6	ND	5.00	50.0	51.7	103	76 - 129	50.0	46.9	94	10	20
Trichlorofluoromethane	75-69-4	ND	5.00	50.0	50.0	100	72 - 136	50.0	45.7	91	9	30
Trichlorotrifluoroethane	76-13-1	ND	5.00	50.0	50.7	101	72 - 136	50.0	44.4	89	13	30
Vinyl chloride	75-01-4	ND	5.00	50.0	48.6	97	68 - 132	50.0	45.0	90	8	30
Xylene (total)	1330-20-7	ND	15.0	150	146	97	74 - 127	150	138	92	6	30
Surrogate												
1,2-Dichloroethane-d4	17060-07-0	50.6	101	50	49.8	100	71 - 127	50	48.6	97	2	NA
4-Bromofluorobenzene	460-00-4	48.7	97	50	49.9	100	78 - 130	50	49.6	99	1	NA
Dibromofluoromethane	1868-53-7	47.2	94	50	48.4	97	77 - 127	50	49.4	99	2	NA
Toluene d8	2037-26-5	55.5	111	50	47.3	95	76 - 134	50	48	96	1	NA

Analytical Batch 545925	Client ID	MB545925		LCS545925				LCSD545925				
	GCAL ID	1384826		1384827				1384828				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	11/26/2014 14:45		11/26/2014 12:44				11/26/2014 13:04				
	Matrix	Solid		Solid				Solid				
EPA 8260B		Units Result	mg/kg LOQ	Spike Added	Result	%R	Control Limits%R	Spike Added	Result	%R	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	630-20-6	ND	0.250	2.50	2.49	100	77 - 122	2.50	2.48	99	0	30
1,1,1-Trichloroethane	71-55-6	ND	0.250	2.50	2.44	98	70 - 130	2.50	2.36	94	3	30
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.250	2.50	2.51	100	66 - 129	2.50	2.50	100	0	30
1,1,2-Trichloroethane	79-00-5	ND	0.250	2.50	2.46	98	74 - 120	2.50	2.49	100	1	30
1,1-Dichloroethane	75-34-3	ND	0.250	2.50	2.51	100	71 - 126	2.50	2.44	98	3	30
1,1-Dichloroethene	75-35-4	ND	0.250	2.50	2.23	89	68 - 129	2.50	2.16	86	3	20
1,1-Dichloropropene	563-58-6	ND	0.250	2.50	2.59	104	70 - 138	2.50	2.46	98	5	30
1,2,3-Trichloropropane	96-18-4	ND	0.250	2.50	2.58	103	63 - 132	2.50	2.67	107	3	30
1,2,4-Trichlorobenzene	120-82-1	ND	0.250	2.50	2.66	106	64 - 135	2.50	2.63	105	1	30
1,2,4-Trimethylbenzene	95-63-6	ND	0.250	2.50	2.73	109	75 - 130	2.50	2.67	107	2	30
1,2-Dibromo-3-chloropropane	96-12-8	ND	0.250	2.50	2.39	96	60 - 123	2.50	2.44	98	2	30
1,2-Dibromoethane	106-93-4	ND	0.250	2.50	2.63	105	74 - 122	2.50	2.68	107	2	30
1,2-Dichlorobenzene	95-50-1	ND	0.250	2.50	2.52	101	76 - 125	2.50	2.52	101	0	30
1,2-Dichloroethane	107-06-2	ND	0.250	2.50	2.48	99	68 - 126	2.50	2.46	98	1	30
1,2-Dichloroethene(Total)	540-59-0	ND	0.500	5.00	5.08	102	72 - 129	5.00	4.90	98	4	30
1,2-Dichloropropane	78-87-5	ND	0.250	2.50	2.51	100	72 - 129	2.50	2.48	99	1	30
1,3,5-Trimethylbenzene	108-67-8	ND	0.250	2.50	2.42	97	74 - 136	2.50	2.39	96	1	30
1,3-Dichlorobenzene	541-73-1	ND	0.250	2.50	2.52	101	77 - 127	2.50	2.46	98	2	30
1,3-Dichloropropane	142-28-9	ND	0.250	2.50	2.47	99	77 - 121	2.50	2.51	100	2	30
1,4-Dichlorobenzene	106-46-7	ND	0.250	2.50	2.45	98	74 - 123	2.50	2.40	96	2	30
2,2-Dichloropropane	594-20-7	ND	0.250	2.50	2.59	104	74 - 129	2.50	2.50	100	4	30
2-Butanone	78-93-3	ND	0.250	2.50	2.71	108	47 - 142	2.50	2.67	107	1	30
2-Chlorotoluene	95-49-8	ND	0.250	2.50	2.56	102	75 - 132	2.50	2.51	100	2	30
2-Hexanone	591-78-6	ND	0.250	2.50	2.47	99	47 - 137	2.50	2.50	100	1	30
4-Chlorotoluene	106-43-4	ND	0.250	2.50	2.60	104	74 - 133	2.50	2.52	101	3	30
4-Isopropyltoluene	99-87-6	ND	0.250	2.50	2.45	98	71 - 136	2.50	2.37	95	3	30
4-Methyl-2-pentanone	108-10-1	ND	0.250	2.50	2.74	110	52 - 136	2.50	2.86	114	4	30
Acetone	67-64-1	ND	1.25	2.50	2.46	98	38 - 152	2.50	2.42	97	2	30
Benzene	71-43-2	ND	0.250	2.50	2.45	98	73 - 128	2.50	2.40	96	2	20
Bromobenzene	108-86-1	ND	0.250	2.50	2.49	100	73 - 124	2.50	2.44	98	2	30
Bromochloromethane	74-97-5	ND	0.250	2.50	2.44	98	73 - 127	2.50	2.48	99	2	30
Bromodichloromethane	75-27-4	ND	0.250	2.50	2.52	101	74 - 126	2.50	2.49	100	1	30

GC/MS Volatiles Quality Control Summary

Analytical Batch 545925	Client ID	MB545925		LCS545925				LCSD545925				
	GCAL ID	1384826		1384827				1384828				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	11/26/2014 14:45		11/26/2014 12:44				11/26/2014 13:04				
	Matrix	Solid		Solid				Solid				
EPA 8260B		Units Result	mg/kg LOQ	Spike Added	Result	%R	Control Limits%R	Spike Added	Result	%R	RPD	RPD Limit
Bromoform	75-25-2	ND	0.250	2.50	2.50	100	67 - 122	2.50	2.52	101	1	30
Bromomethane	74-83-9	ND	0.250	2.50	2.55	102	48 - 139	2.50	2.39	96	6	30
Carbon disulfide	75-15-0	ND	0.250	2.50	2.38	95	68 - 133	2.50	2.30	92	3	30
Carbon tetrachloride	56-23-5	ND	0.250	2.50	2.51	100	71 - 133	2.50	2.40	96	4	30
Chlorobenzene	108-90-7	ND	0.250	2.50	2.40	96	75 - 121	2.50	2.38	95	1	20
Chloroethane	75-00-3	ND	0.250	2.50	2.21	88	57 - 144	2.50	2.11	84	5	30
Chloroform	67-66-3	ND	0.250	2.50	2.46	98	74 - 124	2.50	2.40	96	2	30
Chloromethane	74-87-3	ND	0.250	2.50	2.84	114	61 - 130	2.50	2.76	110	3	30
cis-1,2-Dichloroethene	156-59-2	ND	0.250	2.50	2.56	102	72 - 130	2.50	2.50	100	2	30
cis-1,3-Dichloropropene	10061-01-5	ND	0.250	2.50	2.42	97	72 - 129	2.50	2.41	96	0	30
Dibromochloromethane	124-48-1	ND	0.250	2.50	2.54	102	74 - 122	2.50	2.62	105	3	30
Dibromomethane	74-95-3	ND	0.250	2.50	2.49	100	72 - 125	2.50	2.50	100	0	30
Dichlorodifluoromethane	75-71-8	ND	0.250	2.50	2.77	111	59 - 138	2.50	2.67	107	4	30
Ethylbenzene	100-41-4	ND	0.250	2.50	2.40	96	74 - 130	2.50	2.39	96	0	30
Hexachlorobutadiene	87-68-3	ND	0.250	2.50	2.47	99	71 - 140	2.50	2.43	97	2	30
Isopropylbenzene (Cumene)	98-82-8	ND	0.250	2.50	2.57	103	74 - 125	2.50	2.55	102	1	30
m,p-Xylene	136777-61-2	ND	0.250	5.00	4.84	97	72 - 128	5.00	4.82	96	0	30
Methyl iodide	74-88-4	ND	0.250	2.50	2.04	82	54 - 140	2.50	2.07	83	1	30
Methylene chloride	75-09-2	ND	0.500	2.50	2.33	93	66 - 130	2.50	2.31	92	1	30
Naphthalene	91-20-3	ND	0.250	2.50	2.47	99	54 - 132	2.50	2.49	100	1	35
n-Butylbenzene	104-51-8	ND	0.250	2.50	2.71	108	68 - 144	2.50	2.65	106	2	30
n-Propylbenzene	103-65-1	ND	0.250	2.50	2.58	103	73 - 137	2.50	2.52	101	2	30
o-Xylene	95-47-6	ND	0.250	2.50	2.52	101	69 - 133	2.50	2.52	101	0	30
sec-Butylbenzene	135-98-8	ND	0.250	2.50	2.66	106	72 - 141	2.50	2.58	103	3	30
Styrene	100-42-5	ND	0.250	2.50	2.41	96	72 - 128	2.50	2.43	97	1	30
tert-Butyl methyl ether (MTBE)	1634-04-4	ND	0.250	2.50	2.64	106	69 - 126	2.50	2.64	106	0	30
tert-Butylbenzene	98-06-6	ND	0.250	2.50	2.48	99	72 - 136	2.50	2.45	98	1	30
Tetrachloroethene	127-18-4	ND	0.250	2.50	2.46	98	70 - 127	2.50	2.41	96	2	30
Toluene	108-88-3	ND	0.250	2.50	2.45	98	74 - 121	2.50	2.41	96	2	20
trans-1,2-Dichloroethene	156-60-5	ND	0.250	2.50	2.52	101	67 - 134	2.50	2.40	96	5	30
trans-1,3-Dichloropropene	10061-02-6	ND	0.250	2.50	2.38	95	72 - 126	2.50	2.39	96	0	30
trans-1,4-Dichloro-2-butene	110-57-6	ND	0.250	2.50	2.31	92	44 - 146	2.50	2.57	103	11	30
Trichloroethene	79-01-6	ND	0.250	2.50	2.46	98	78 - 127	2.50	2.40	96	2	20
Trichlorofluoromethane	75-69-4	ND	0.250	2.50	2.17	87	64 - 141	2.50	2.10	84	3	30
Trichlorotrifluoroethane	76-13-1	ND	0.250	2.50	2.20	88	66 - 139	2.50	2.16	86	2	30
Vinyl chloride	75-01-4	ND	0.250	2.50	2.44	98	67 - 131	2.50	2.31	92	5	30
Xylene (total)	1330-20-7	ND	0.500	7.50	7.37	98	71 - 129	7.50	7.34	98	0	30
Surrogate												
1,2-Dichloroethane-d4	17060-07-0	2560	102	2500	2480	99	62 - 125	2500	2500	100	1	NA
4-Bromofluorobenzene	460-00-4	2410	96	2500	2450	98	62 - 127	2500	2530	101	3	NA
Dibromofluoromethane	1868-53-7	2470	99	2500	2510	100	65 - 130	2500	2500	100	0	NA
Toluene d8	2037-26-5	2520	101	2500	2450	98	71 - 132	2500	2520	101	3	NA

Analytical Batch 545977	Client ID	MB545977		LCS545977				LCSD545977				
	GCAL ID	1385187		1385188				1385189				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	11/26/2014 21:03		11/26/2014 19:41				11/26/2014 20:01				
	Matrix	Solid		Solid				Solid				
EPA 8260B		Units Result	mg/kg LOQ	Spike Added	Result	%R	Control Limits%R	Spike Added	Result	%R	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	630-20-6	ND	0.00500	0.050	0.048	96	77 - 122	0.050	0.057	113	17	30
1,1,1-Trichloroethane	71-55-6	ND	0.00500	0.050	0.045	90	70 - 130	0.050	0.053	105	16	30
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.00500	0.050	0.046	93	66 - 129	0.050	0.056	111	20	30
1,1,2-Trichloroethane	79-00-5	ND	0.00500	0.050	0.047	94	74 - 120	0.050	0.055	109	16	30
1,1-Dichloroethane	75-34-3	ND	0.00500	0.050	0.046	93	71 - 126	0.050	0.054	107	16	30
1,1-Dichloroethene	75-35-4	ND	0.00500	0.050	0.046	92	68 - 129	0.050	0.053	107	14	20

GC/MS Volatiles Quality Control Summary

Analytical Batch 545977	Client ID	MB545977		LCS545977				LCSD545977				
	GCAL ID	1385187		1385188				1385189				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	11/26/2014 21:03		11/26/2014 19:41				11/26/2014 20:01				
	Matrix	Solid		Solid				Solid				
EPA 8260B		Units Result	mg/kg LOQ	Spike Added	Result	%R	Control Limits%R	Spike Added	Result	%R	RPD	RPD Limit
1,1-Dichloropropene	563-58-6	ND	0.00500	0.050	0.045	90	70 - 138	0.050	0.051	102	13	30
1,2,3-Trichloropropane	96-18-4	ND	0.00500	0.050	0.048	96	63 - 132	0.050	0.056	111	15	30
1,2,4-Trichlorobenzene	120-82-1	ND	0.00500	0.050	0.046	92	64 - 135	0.050	0.054	108	16	30
1,2,4-Trimethylbenzene	95-63-6	ND	0.00500	0.050	0.046	93	75 - 130	0.050	0.055	110	18	30
1,2-Dibromo-3-chloropropane	96-12-8	ND	0.00500	0.050	0.049	97	60 - 123	0.050	0.058	117	17	30
1,2-Dibromoethane	106-93-4	ND	0.00500	0.050	0.048	95	74 - 122	0.050	0.056	112	15	30
1,2-Dichlorobenzene	95-50-1	ND	0.00500	0.050	0.046	92	76 - 125	0.050	0.055	110	18	30
1,2-Dichloroethane	107-06-2	ND	0.00500	0.050	0.046	91	68 - 126	0.050	0.055	109	18	30
1,2-Dichloroethene(Total)	540-59-0	ND	0.010	0.100	0.092	92	72 - 129	0.100	0.107	107	15	30
1,2-Dichloropropane	78-87-5	ND	0.00500	0.050	0.047	93	72 - 129	0.050	0.056	112	17	30
1,3,5-Trimethylbenzene	108-67-8	ND	0.00500	0.050	0.047	93	74 - 136	0.050	0.054	109	14	30
1,3-Dichlorobenzene	541-73-1	ND	0.00500	0.050	0.046	92	77 - 127	0.050	0.054	108	16	30
1,3-Dichloropropane	142-28-9	ND	0.00500	0.050	0.047	95	77 - 121	0.050	0.056	112	17	30
1,4-Dichlorobenzene	106-46-7	ND	0.00500	0.050	0.046	91	74 - 123	0.050	0.054	107	16	30
2,2-Dichloropropane	594-20-7	ND	0.00500	0.050	0.046	91	74 - 129	0.050	0.053	107	14	30
2-Butanone	78-93-3	ND	0.00500	0.050	0.046	91	47 - 142	0.050	0.054	108	16	30
2-Chlorotoluene	95-49-8	ND	0.00500	0.050	0.046	92	75 - 132	0.050	0.054	108	16	30
2-Hexanone	591-78-6	ND	0.00500	0.050	0.044	89	47 - 137	0.050	0.053	105	19	30
4-Chlorotoluene	106-43-4	ND	0.00500	0.050	0.047	93	74 - 133	0.050	0.054	108	14	30
4-Isopropyltoluene	99-87-6	ND	0.00500	0.050	0.046	92	71 - 136	0.050	0.054	108	16	30
4-Methyl-2-pentanone	108-10-1	ND	0.00500	0.050	0.048	95	52 - 136	0.050	0.056	111	15	30
Acetone	67-64-1	ND	0.025	0.050	0.045	90	38 - 152	0.050	0.050	99	11	30
Benzene	71-43-2	ND	0.00500	0.050	0.046	93	73 - 128	0.050	0.054	109	16	20
Bromobenzene	108-86-1	ND	0.00500	0.050	0.046	93	73 - 124	0.050	0.055	109	18	30
Bromochloromethane	74-97-5	ND	0.00500	0.050	0.047	95	73 - 127	0.050	0.056	112	17	30
Bromodichloromethane	75-27-4	ND	0.00500	0.050	0.047	94	74 - 126	0.050	0.057	113	19	30
Bromoform	75-25-2	ND	0.00500	0.050	0.046	93	67 - 122	0.050	0.055	111	18	30
Bromomethane	74-83-9	ND	0.00500	0.050	0.057	113	48 - 139	0.050	0.067	134	16	30
Carbon disulfide	75-15-0	ND	0.00500	0.050	0.047	94	68 - 133	0.050	0.054	107	14	30
Carbon tetrachloride	56-23-5	ND	0.00500	0.050	0.046	92	71 - 133	0.050	0.054	107	16	30
Chlorobenzene	108-90-7	ND	0.00500	0.050	0.046	92	75 - 121	0.050	0.054	107	16	20
Chloroethane	75-00-3	ND	0.00500	0.050	0.041	82	57 - 144	0.050	0.052	105	24	30
Chloroform	67-66-3	ND	0.00500	0.050	0.046	91	74 - 124	0.050	0.055	109	18	30
Chloromethane	74-87-3	ND	0.00500	0.050	0.050	100	61 - 130	0.050	0.061	121	20	30
cis-1,2-Dichloroethene	156-59-2	ND	0.00500	0.050	0.047	93	72 - 130	0.050	0.055	110	16	30
cis-1,3-Dichloropropene	10061-01-5	ND	0.00500	0.050	0.049	98	72 - 129	0.050	0.059	119	19	30
Dibromochloromethane	124-48-1	ND	0.00500	0.050	0.049	98	74 - 122	0.050	0.057	115	15	30
Dibromomethane	74-95-3	ND	0.00500	0.050	0.046	92	72 - 125	0.050	0.055	110	18	30
Dichlorodifluoromethane	75-71-8	ND	0.00500	0.050	0.050	100	59 - 138	0.050	0.057	113	13	30
Ethylbenzene	100-41-4	ND	0.00500	0.050	0.045	91	74 - 130	0.050	0.053	105	16	30
Hexachlorobutadiene	87-68-3	ND	0.00500	0.050	0.047	94	71 - 140	0.050	0.055	110	16	30
Isopropylbenzene (Cumene)	98-82-8	ND	0.00500	0.050	0.046	92	74 - 125	0.050	0.053	106	14	30
m,p-Xylene	136777-61-2	ND	0.00500	0.100	0.091	91	72 - 128	0.100	0.106	106	15	30
Methyl iodide	74-88-4	ND	0.00500	0.050	0.00	0*	54 - 140	0.050	0.00	0*	0	30
Methylene chloride	75-09-2	ND	0.010	0.050	0.046	92	66 - 130	0.050	0.056	112	20	30
Naphthalene	91-20-3	ND	0.00500	0.050	0.048	96	54 - 132	0.050	0.058	117	19	35
n-Butylbenzene	104-51-8	ND	0.00500	0.050	0.046	91	68 - 144	0.050	0.052	104	12	30
n-Propylbenzene	103-65-1	ND	0.00500	0.050	0.046	91	73 - 137	0.050	0.053	105	14	30
o-Xylene	95-47-6	ND	0.00500	0.050	0.047	94	69 - 133	0.050	0.055	109	16	30
sec-Butylbenzene	135-98-8	ND	0.00500	0.050	0.046	91	72 - 141	0.050	0.054	108	16	30
Styrene	100-42-5	ND	0.00500	0.050	0.048	96	72 - 128	0.050	0.057	113	17	30
tert-Butyl methyl ether (MTBE)	1634-04-4	ND	0.00500	0.050	0.047	94	69 - 126	0.050	0.056	111	17	30
tert-Butylbenzene	98-06-6	ND	0.00500	0.050	0.046	91	72 - 136	0.050	0.055	109	18	30
Tetrachloroethene	127-18-4	ND	0.00500	0.050	0.047	93	70 - 127	0.050	0.053	106	12	30
Toluene	108-88-3	ND	0.00500	0.050	0.046	93	74 - 121	0.050	0.054	107	16	20
trans-1,2-Dichloroethene	156-60-5	ND	0.00500	0.050	0.045	90	67 - 134	0.050	0.052	104	14	30
trans-1,3-Dichloropropene	10061-02-6	ND	0.00500	0.050	0.049	98	72 - 126	0.050	0.060	120	20	30
trans-1,4-Dichloro-2-butene	110-57-6	ND	0.00500	0.050	0.046	92	44 - 146	0.050	0.057	114	21	30

GC/MS Volatiles Quality Control Summary

Analytical Batch 545977	Client ID	MB545977		LCS545977				LCSD545977				
	GCAL ID	1385187		1385188				1385189				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	11/26/2014 21:03		11/26/2014 19:41				11/26/2014 20:01				
	Matrix	Solid		Solid				Solid				
EPA 8260B		Units Result	mg/kg LOQ	Spike Added	Result	%R	Control Limits%R	Spike Added	Result	%R	RPD	RPD Limit
Trichloroethene	79-01-6	ND	0.00500	0.050	0.045	90	78 - 127	0.050	0.052	104	14	20
Trichlorofluoromethane	75-69-4	ND	0.00500	0.050	0.043	87	64 - 141	0.050	0.050	99	15	30
Trichlorotrifluoroethane	76-13-1	ND	0.00500	0.050	0.046	92	66 - 139	0.050	0.052	105	12	30
Vinyl chloride	75-01-4	ND	0.00500	0.050	0.046	92	67 - 131	0.050	0.053	105	14	30
Xylene (total)	1330-20-7	ND	0.010	0.150	0.138	92	71 - 129	0.150	0.160	107	15	30
Surrogate												
1,2-Dichloroethane-d4	17060-07-0	52.3	105	50	48.7	97	62 - 125	50	49	98	1	NA
4-Bromofluorobenzene	460-00-4	48.5	97	50	49.4	99	62 - 127	50	49.1	98	1	NA
Dibromofluoromethane	1868-53-7	49.1	98	50	50.1	100	65 - 130	50	50.8	102	1	NA
Toluene d8	2037-26-5	49.8	100	50	50.9	102	71 - 132	50	49.8	100	2	NA

GCAL ANALYTICAL LABORATORIES, LLC

CHAIN OF CUSTODY RECORD

7979 GSRI Ave., Baton Rouge, LA 70820-7402
Phone: 225.769.4900 • Fax: 225.767.5717 • www.gcal.com

Client ID: 4642 - Sage Environmental
SDG: 214112067
Due Date: 11/28/14

Report to:
Client: SAGE Environmental Consulting
Address: 600 Chastain Rd., NW Ste. 320, Kennesaw, GA 30144
Contact: Jack Wintle
Phone: 678-431-0130
E-mail: Jack.Wintle@sageenvironmental.com

Bill to:
Client: SAME
Address:
Contact:
Phone:
E-mail:

P.O. Number: 1221-1-4
Project Name/Number: 1221-1-4 / Rayloc VRP Delineation
Sampled By: Matthew R. Howe

Analytical Requests & Method: 8260B

GCAL use only:
Custody Seal used ☑ yes ☐ no
intact ☑ yes ☐ no
Temperature °C 2.2 E24

☐ Dissolved Analysis Requested
☐ Field filtered
☐ Lab filtered

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	No Containers	Methanol Aliquot	Preservative
S	11/17/14	1020		X	WD-8 @ 5'	4	X	1
		1020			WD-8 @ 20'			2
		1050			WD-9 @ 5'			3
		1050			WD-9 @ 20'			4
		1140			WD-10 @ 10'			5
		1140			WD-10 @ 27'			6
		1315			WD-11 @ 10'			7
		1315			WD-11 @ 22'			8
		1400			WD-12 @ 15'			9
		1400			WD-12 @ 22.5'			10
W					Trip Blank	1	X	11

Air Bill No: 7719 1879 5556

Turn Around Time (Business Days): ☐ 24h* ☐ 48h* ☐ 3 days* ☐ 1 week* ☒ Standard (Per Contract/Quote) Due 12/2 Final Report

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
[signature]	11/19/14	11:13	[signature]	11/19/14	11:13
[signature]			[signature]		
[signature]	11/20/14	940	[signature]	11/20/14	940

Note: Some of these samples had very high PID Readings.

Page 1 of 1

By submitting these samples, you agree to GCAL's terms and conditions contained in our most recent schedule of services.

Matrix[1]: W = water, S = solid, L = liquid, T = tissue

*Requires prior approval, rush charges may apply.

We cannot accept verbal changes. Please email written changes to your PM.

WHITE: CLIENT FINAL REPORT - CANARY: CLIENT

GCAL ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIVING CHECKLIST

214112067

SAMPLE DELIVERY GROUP 214112067

Client 4642 - Sage Environmental	**Transport Method** FEDEX
Profile Number 240745	**Received By** Saucier, Charlotte M.
Line Item(s) 1 - VOC 2 - Soils	**Receive Date(s)** 11/20/14

CHECKLIST

	YES	NO	NA
Were all samples received using proper thermal preservation?	☑	☐	☐
When used, were all custody seals intact?	☑	☐	☐
Were all samples received in proper containers?	☑	☐	☐
Were all samples received using proper chemical preservation?	☑	☐	☐
Was preservative added to any container at the lab?	☐	☑	☐
Were all containers received in good condition?	☑	☐	☐
Were all VOA vials received with no head space?	☑	☐	☐
Do all sample labels match the Chain of Custody?	☑	☐	☐
Did the Chain of Custody list the sampling technician?	☑	☐	☐
Was the COC maintained i.e. all signatures, dates and time of receipt included?	☐	☑	☐

COOLERS

Airbill	Thermometer ID: E24	Temp(°C)
7719 1879 5556		2.2

DISCREPANCIES

None

LAB PRESERVATIONS

None

NOTES

Revision 1.4

Page 1 of 1

APPENDIX B
INJECTION WELL CONSTRUCTION SCHEMATICS

SAGE ENVIRONMENTAL CONSULTING	Client: Genuine Parts Company Project: Rayloc Address: 600 Rayloc Drive, Atlanta, GA	**BORING LOG** Boring No. A1-I17 Page: 1 of 4

Borehole Cl. Date:	**NA**	Boring Depth (ft):	**75**	Well Depth (ft):	**75**
Borehole Cl. Company:	**NA**	Boring Diameter (in):	**6**	Well Diam. (in):	**2**
Borehole Cl. Method:	**NA**	Sampling Method(s):	**NA**	Screen Slot S. (in):	**0.010**
Drilling Start Date:	**12/15/2014**	Logged By:	**Jack Wintle**	Riser Material:	**Sch 40 PVC**
Drilling End Date:	**12/15/2014**	Boring Location (X):		Screen Material:	**Sch 40 PVC Slotted**
Drilling Company:	**Env. Exploration**	Boring Location (Y):		Seal Material(s):	**Bentonite Pellets**
Drilling Method:	**Hollow Stem Auger**	Boring Elevation (Z):		Filter Pack:	**20-40 Sand Filter Pack**

DEPTH (ft.)	EARTH	WATER LEVEL	WELL/BORING COMPLETION	COLLECT: Sample Type	COLLECT: Sample Time	COLLECT: Blow Counts	COLLECT: Recovery (%)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft.)
0								(0') TOPSOIL: (~3 inches).			0
								(0.3') Silty SAND (SM); fine-medium grained sand, some silt, few clay, dry, light yellowish-brown.			
5											5
10											10
15											15
20											20

Note:

SAGE ENVIRONMENTAL CONSULTING	Client: Genuine Parts Company Project: Rayloc Address: 600 Rayloc Drive, Atlanta, GA	**BORING LOG** Boring No. A1-I17 Page: 2 of 4

Borehole Cl. Date:	**NA**	Boring Depth (ft):	**75**	Well Depth (ft):	**75**
Borehole Cl. Company:	**NA**	Boring Diameter (in):	**6**	Well Diam. (in):	**2**
Borehole Cl. Method:	**NA**	Sampling Method(s):	**NA**	Screen Slot S. (in):	**0.010**
Drilling Start Date:	**12/15/2014**	Logged By:	**Jack Wintle**	Riser Material:	**Sch 40 PVC**
Drilling End Date:	**12/15/2014**	Boring Location (X):		Screen Material:	**Sch 40 PVC Slotted**
Drilling Company:	**Env. Exploration**	Boring Location (Y):		Seal Material(s):	**Bentonite Pellets**
Drilling Method:	**Hollow Stem Auger**	Boring Elevation (Z):		Filter Pack:	**20-40 Sand Filter Pack**

DEPTH (ft.)	EARTH	WATER LEVEL	WELL/BORING COMPLETION	COLLECT: Sample Type	COLLECT: Sample Time	COLLECT: Blow Counts	COLLECT: Recovery (%)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft.)
20		▼						Silty SAND (SM); fine-medium grained sand, some silt, few clay, dry, light yellowish-brown.			20
25											25
30											30
								(33') Silty SAND (SM); fine-medium grained sand, some silt, few clay, moist, dark yellowish-brown.			
35											35
40											40

Note:

SAGE ENVIRONMENTAL CONSULTING	Client: Genuine Parts Company Project: Rayloc Address: 600 Rayloc Drive, Atlanta, GA	**BORING LOG** Boring No. A1-I17 Page: 3 of 4

Borehole Cl. Date:	**NA**	Boring Depth (ft):	**75**	Well Depth (ft):	**75**
Borehole Cl. Company:	**NA**	Boring Diameter (in):	**6**	Well Diam. (in):	**2**
Borehole Cl. Method:	**NA**	Sampling Method(s):	**NA**	Screen Slot S. (in):	**0.010**
Drilling Start Date:	**12/15/2014**	Logged By:	**Jack Wintle**	Riser Material:	**Sch 40 PVC**
Drilling End Date:	**12/15/2014**	Boring Location (X):		Screen Material:	**Sch 40 PVC Slotted**
Drilling Company:	**Env. Exploration**	Boring Location (Y):		Seal Material(s):	**Bentonite Pellets**
Drilling Method:	**Hollow Stem Auger**	Boring Elevation (Z):		Filter Pack:	**20-40 Sand Filter Pack**

DEPTH (ft.)	EARTH	WATER LEVEL	WELL/BORING COMPLETION	COLLECT: Sample Type	COLLECT: Sample Time	COLLECT: Blow Counts	COLLECT: Recovery (%)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft.)
40								Silty SAND (SM); fine-medium grained sand, some silt, few clay, moist, dark yellowish-brown.			40
45											45
50											50
55											55
60											60

Note:

SAGE ENVIRONMENTAL CONSULTING	Client: Genuine Parts Company Project: Rayloc Address: 600 Rayloc Drive, Atlanta, GA	**BORING LOG** Boring No. A1-I17 Page: 4 of 4

Borehole Cl. Date:	**NA**	Boring Depth (ft):	**75**	Well Depth (ft):	**75**
Borehole Cl. Company:	**NA**	Boring Diameter (in):	**6**	Well Diam. (in):	**2**
Borehole Cl. Method:	**NA**	Sampling Method(s):	**NA**	Screen Slot S. (in):	**0.010**
Drilling Start Date:	**12/15/2014**	Logged By:	**Jack Wintle**	Riser Material:	**Sch 40 PVC**
Drilling End Date:	**12/15/2014**	Boring Location (X):		Screen Material:	**Sch 40 PVC Slotted**
Drilling Company:	**Env. Exploration**	Boring Location (Y):		Seal Material(s):	**Bentonite Pellets**
Drilling Method:	**Hollow Stem Auger**	Boring Elevation (Z):		Filter Pack:	**20-40 Sand Filter Pack**

DEPTH (ft.)	EARTH	WATER LEVEL	WELL/BORING COMPLETION	COLLECT: Sample Type	COLLECT: Sample Time	COLLECT: Blow Counts	COLLECT: Recovery (%)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft.)
60								Silty SAND (SM); fine-medium grained sand, some silt, few clay, moist, dark yellowish-brown.			60
65											65
70											70
75											75
80											80

Note:

SAGE ENVIRONMENTAL CONSULTING	Client: Genuine Parts Company Project: Rayloc Address: 600 Rayloc Drive, Atlanta, GA	**BORING LOG** Boring No. A1-I18 Page: 1 of 5

Borehole Cl. Date:	NA	Boring Depth (ft):	87	Well Depth (ft):	87
Borehole Cl. Company:	NA	Boring Diameter (in):	6	Well Diam. (in):	2
Borehole Cl. Method:	NA	Sampling Method(s):	NA	Screen Slot S. (in):	0.010
Drilling Start Date:	12/12/2014	Logged By:	Jack Wintle	Riser Material:	Sch 40 PVC
Drilling End Date:	12/15/2014	Boring Location (X):		Screen Material:	Sch 40 PVC Slotted
Drilling Company:	Env. Exploration	Boring Location (Y):		Seal Material(s):	Bentonite Pellets
Drilling Method:	Hollow Stem Auger	Boring Elevation (Z):		Filter Pack:	20-40 Sand Filter Pack

DEPTH (ft.)	EARTH	WATER LEVEL	WELL/BORING COMPLETION	COLLECT: Sample Type	COLLECT: Sample Time	COLLECT: Blow Counts	COLLECT: Recovery (%)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft.)
0								(0') TOPSOIL: (~3 inches).			0
								(0.3') Silty SAND (SM); fine-medium grained sand, some silt, few clay, dry, light yellowish-brown.			
5											5
10											10
15											15
20		▼									20

Note:

SAGE ENVIRONMENTAL CONSULTING	Client: Genuine Parts Company Project: Rayloc Address: 600 Rayloc Drive, Atlanta, GA	BORING LOG Boring No. A1-I18 Page: 2 of 5

Borehole Cl. Date:	NA	Boring Depth (ft):	87	Well Depth (ft):	87
Borehole Cl. Company:	NA	Boring Diameter (in):	6	Well Diam. (in):	2
Borehole Cl. Method:	NA	Sampling Method(s):	NA	Screen Slot S. (in):	0.010
Drilling Start Date:	12/12/2014	Logged By:	Jack Wintle	Riser Material:	Sch 40 PVC
Drilling End Date:	12/15/2014	Boring Location (X):		Screen Material:	Sch 40 PVC Slotted
Drilling Company:	Env. Exploration	Boring Location (Y):		Seal Material(s):	Bentonite Pellets
Drilling Method:	Hollow Stem Auger	Boring Elevation (Z):		Filter Pack:	20-40 Sand Filter Pack

DEPTH (ft.)	EARTH	WATER LEVEL	WELL/BORING COMPLETION	COLLECT: Sample Type	COLLECT: Sample Time	COLLECT: Blow Counts	COLLECT: Recovery (%)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft.)
20								Silty SAND (SM); fine-medium grained sand, some silt, few clay, dry, light yellowish-brown.			20
25											25
30											30
								(33') Silty SAND (SM); fine-medium grained sand, some silt, few clay, moist, dark yellowish-brown.			
35											35
40											40

Note:

SAGE ENVIRONMENTAL CONSULTING	Client: Genuine Parts Company Project: Rayloc Address: 600 Rayloc Drive, Atlanta, GA	**BORING LOG** Boring No. A1-I18 Page: 3 of 5

Borehole Cl. Date:	NA	Boring Depth (ft):	87	Well Depth (ft):	87
Borehole Cl. Company:	NA	Boring Diameter (in):	6	Well Diam. (in):	2
Borehole Cl. Method:	NA	Sampling Method(s):	NA	Screen Slot S. (in):	0.010
Drilling Start Date:	12/12/2014	Logged By:	Jack Wintle	Riser Material:	Sch 40 PVC
Drilling End Date:	12/15/2014	Boring Location (X):		Screen Material:	Sch 40 PVC Slotted
Drilling Company:	Env. Exploration	Boring Location (Y):		Seal Material(s):	Bentonite Pellets
Drilling Method:	Hollow Stem Auger	Boring Elevation (Z):		Filter Pack:	20-40 Sand Filter Pack

DEPTH (ft.)	EARTH	WATER LEVEL	WELL/BORING COMPLETION	COLLECT: Sample Type	COLLECT: Sample Time	COLLECT: Blow Counts	COLLECT: Recovery (%)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft.)
40								Silty SAND (SM); fine-medium grained sand, some silt, few clay, moist, dark yellowish-brown.			40
45											45
50											50
55											55
60											60

Note:

SAGE ENVIRONMENTAL CONSULTING	Client: Genuine Parts Company Project: Rayloc Address: 600 Rayloc Drive, Atlanta, GA	**BORING LOG** Boring No. A1-I18 Page: 4 of 5

Borehole Cl. Date:	NA	Boring Depth (ft):	87	Well Depth (ft):	87
Borehole Cl. Company:	NA	Boring Diameter (in):	6	Well Diam. (in):	2
Borehole Cl. Method:	NA	Sampling Method(s):	NA	Screen Slot S. (in):	0.010
Drilling Start Date:	12/12/2014	Logged By:	Jack Wintle	Riser Material:	Sch 40 PVC
Drilling End Date:	12/15/2014	Boring Location (X):		Screen Material:	Sch 40 PVC Slotted
Drilling Company:	Env. Exploration	Boring Location (Y):		Seal Material(s):	Bentonite Pellets
Drilling Method:	Hollow Stem Auger	Boring Elevation (Z):		Filter Pack:	20-40 Sand Filter Pack

DEPTH (ft.)	EARTH	WATER LEVEL	WELL/BORING COMPLETION	COLLECT: Sample Type	COLLECT: Sample Time	COLLECT: Blow Counts	COLLECT: Recovery (%)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft.)
60								Silty SAND (SM); fine-medium grained sand, some silt, few clay, moist, dark yellowish-brown.			60
65											65
70											70
75											75
80											80

Note:

SAGE ENVIRONMENTAL CONSULTING	Client: Genuine Parts Company Project: Rayloc Address: 600 Rayloc Drive, Atlanta, GA	**BORING LOG** Boring No. A1-I18 Page: 5 of 5

Borehole Cl. Date:	**NA**	Boring Depth (ft):	**87**	Well Depth (ft):	**87**
Borehole Cl. Company:	**NA**	Boring Diameter (in):	**6**	Well Diam. (in):	**2**
Borehole Cl. Method:	**NA**	Sampling Method(s):	**NA**	Screen Slot S. (in):	**0.010**
Drilling Start Date:	**12/12/2014**	Logged By:	**Jack Wintle**	Riser Material:	**Sch 40 PVC**
Drilling End Date:	**12/15/2014**	Boring Location (X):		Screen Material:	**Sch 40 PVC Slotted**
Drilling Company:	**Env. Exploration**	Boring Location (Y):		Seal Material(s):	**Bentonite Pellets**
Drilling Method:	**Hollow Stem Auger**	Boring Elevation (Z):		Filter Pack:	**20-40 Sand Filter Pack**

DEPTH (ft.)	EARTH	WATER LEVEL	WELL/BORING COMPLETION	COLLECT: Sample Type	COLLECT: Sample Time	COLLECT: Blow Counts	COLLECT: Recovery (%)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft.)
80								Silty SAND (SM); fine-medium grained sand, some silt, few clay, moist, dark yellowish-brown.			80
85											85
90											90

Note:

SAGE ENVIRONMENTAL CONSULTING	Client: Genuine Parts Company Project: Rayloc Address: 600 Rayloc Drive, Atlanta, GA	BORING LOG Boring No. A1-I19 Page: 1 of 5

Borehole Cl. Date:	NA	Boring Depth (ft):	85	Well Depth (ft):	85
Borehole Cl. Company:	NA	Boring Diameter (in):	6	Well Diam. (in):	2
Borehole Cl. Method:	NA	Sampling Method(s):	NA	Screen Slot S. (in):	0.010
Drilling Start Date:	12/8/2014	Logged By:	Jack Wintle	Riser Material:	Sch 40 PVC
Drilling End Date:	12/8/2014	Boring Location (X):		Screen Material:	Sch 40 PVC Slotted
Drilling Company:	Env. Exploration	Boring Location (Y):		Seal Material(s):	Bentonite Pellets
Drilling Method:	Hollow Stem Auger	Boring Elevation (Z):		Filter Pack:	20-40 Sand Filter Pack

DEPTH (ft.)	EARTH	WATER LEVEL	WELL/BORING COMPLETION	COLLECT: Sample Type	COLLECT: Sample Time	COLLECT: Blow Counts	COLLECT: Recovery (%)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft.)
0								(0') ASPHALT: (~2 inches).			0
								(0.2') Silty SAND (SM); fine-medium grained sand, some silt, dry, dark brown.			
5											5
10											10
								(14') Silty SAND (SM); fine-medium grained sand, some silt, dry, reddish.			
15											15
20											20

Note:

SAGE ENVIRONMENTAL CONSULTING	Client: Genuine Parts Company Project: Rayloc Address: 600 Rayloc Drive, Atlanta, GA	BORING LOG Boring No. A1-I19 Page: 2 of 5

Borehole Cl. Date:	NA	Boring Depth (ft):	85	Well Depth (ft):	85
Borehole Cl. Company:	NA	Boring Diameter (in):	6	Well Diam. (in):	2
Borehole Cl. Method:	NA	Sampling Method(s):	NA	Screen Slot S. (in):	0.010
Drilling Start Date:	12/8/2014	Logged By:	Jack Wintle	Riser Material:	Sch 40 PVC
Drilling End Date:	12/8/2014	Boring Location (X):		Screen Material:	Sch 40 PVC Slotted
Drilling Company:	Env. Exploration	Boring Location (Y):		Seal Material(s):	Bentonite Pellets
Drilling Method:	Hollow Stem Auger	Boring Elevation (Z):		Filter Pack:	20-40 Sand Filter Pack

DEPTH (ft.)	EARTH	WATER LEVEL	WELL/BORING COMPLETION	COLLECT: Sample Type	COLLECT: Sample Time	COLLECT: Blow Counts	COLLECT: Recovery (%)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft.)
20								Silty SAND (SM); fine-medium grained sand, some silt, dry, reddish.			20
								(24') Silty SAND (SM); fine-medium grained sand, some silt, dry, reddish-gray.			
25											25
30											30
35											35
40											40

Note:

SAGE ENVIRONMENTAL CONSULTING	Client: Genuine Parts Company Project: Rayloc Address: 600 Rayloc Drive, Atlanta, GA	**BORING LOG** Boring No. A1-I19 Page: 3 of 5

Borehole Cl. Date:	NA	Boring Depth (ft):	85	Well Depth (ft):	85
Borehole Cl. Company:	NA	Boring Diameter (in):	6	Well Diam. (in):	2
Borehole Cl. Method:	NA	Sampling Method(s):	NA	Screen Slot S. (in):	0.010
Drilling Start Date:	12/8/2014	Logged By:	Jack Wintle	Riser Material:	Sch 40 PVC
Drilling End Date:	12/8/2014	Boring Location (X):		Screen Material:	Sch 40 PVC Slotted
Drilling Company:	Env. Exploration	Boring Location (Y):		Seal Material(s):	Bentonite Pellets
Drilling Method:	Hollow Stem Auger	Boring Elevation (Z):		Filter Pack:	20-40 Sand Filter Pack

DEPTH (ft.)	EARTH	WATER LEVEL	WELL/BORING COMPLETION	COLLECT: Sample Type	COLLECT: Sample Time	COLLECT: Blow Counts	COLLECT: Recovery (%)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft.)
40								Silty SAND (SM); fine-medium grained sand, some silt, dry, reddish-gray.			40
45		▼									45
50											50
55											55
60											60

Note:

SAGE ENVIRONMENTAL CONSULTING	Client: Genuine Parts Company Project: Rayloc Address: 600 Rayloc Drive, Atlanta, GA	**BORING LOG** Boring No. A1-I19 Page: 4 of 5

Borehole Cl. Date:	**NA**	Boring Depth (ft):	**85**	Well Depth (ft):	**85**
Borehole Cl. Company:	**NA**	Boring Diameter (in):	**6**	Well Diam. (in):	**2**
Borehole Cl. Method:	**NA**	Sampling Method(s):	**NA**	Screen Slot S. (in):	**0.010**
Drilling Start Date:	**12/8/2014**	Logged By:	**Jack Wintle**	Riser Material:	**Sch 40 PVC**
Drilling End Date:	**12/8/2014**	Boring Location (X):		Screen Material:	**Sch 40 PVC Slotted**
Drilling Company:	**Env. Exploration**	Boring Location (Y):		Seal Material(s):	**Bentonite Pellets**
Drilling Method:	**Hollow Stem Auger**	Boring Elevation (Z):		Filter Pack:	**20-40 Sand Filter Pack**

DEPTH (ft.)	EARTH	WATER LEVEL	WELL/BORING COMPLETION	COLLECT: Sample Type	COLLECT: Sample Time	COLLECT: Blow Counts	COLLECT: Recovery (%)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft.)
60								Silty SAND (SM); fine-medium grained sand, some silt, dry, reddish-gray.			60
65											65
70											70
75											75
80											80

Note:

SAGE ENVIRONMENTAL CONSULTING	Client: Genuine Parts Company Project: Rayloc Address: 600 Rayloc Drive, Atlanta, GA	**BORING LOG** Boring No. A1-I19 Page: 5 of 5

Borehole Cl. Date:	**NA**	Boring Depth (ft):	**85**	Well Depth (ft):	**85**
Borehole Cl. Company:	**NA**	Boring Diameter (in):	**6**	Well Diam. (in):	**2**
Borehole Cl. Method:	**NA**	Sampling Method(s):	**NA**	Screen Slot S. (in):	**0.010**
Drilling Start Date:	**12/8/2014**	Logged By:	**Jack Wintle**	Riser Material:	**Sch 40 PVC**
Drilling End Date:	**12/8/2014**	Boring Location (X):		Screen Material:	**Sch 40 PVC Slotted**
Drilling Company:	**Env. Exploration**	Boring Location (Y):		Seal Material(s):	**Bentonite Pellets**
Drilling Method:	**Hollow Stem Auger**	Boring Elevation (Z):		Filter Pack:	**20-40 Sand Filter Pack**

DEPTH (ft.)	EARTH	WATER LEVEL	WELL/BORING COMPLETION	COLLECT: Sample Type	COLLECT: Sample Time	COLLECT: Blow Counts	COLLECT: Recovery (%)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft.)
80								Silty SAND (SM); fine-medium grained sand, some silt, dry, reddish-gray.			80
85											85
90											90

Note:

SAGE ENVIRONMENTAL CONSULTING	Client: Genuine Parts Company Project: Rayloc Address: 600 Rayloc Drive, Atlanta, GA	**BORING LOG** Boring No. A1-I20 Page: 1 of 6

Borehole Cl. Date:	NA	Boring Depth (ft):	102	Well Depth (ft):	102
Borehole Cl. Company:	NA	Boring Diameter (in):	6	Well Diam. (in):	2
Borehole Cl. Method:	NA	Sampling Method(s):	NA	Screen Slot S. (in):	0.010
Drilling Start Date:	12/11/2014	Logged By:	Jack Wintle	Riser Material:	Sch 40 PVC
Drilling End Date:	12/11/2014	Boring Location (X):		Screen Material:	Sch 40 PVC Slotted
Drilling Company:	Env. Exploration	Boring Location (Y):		Seal Material(s):	Bentonite Pellets
Drilling Method:	Hollow Stem Auger	Boring Elevation (Z):		Filter Pack:	20-40 Sand Filter Pack

DEPTH (ft.)	EARTH	WATER LEVEL	WELL/BORING COMPLETION	COLLECT: Sample Type	COLLECT: Sample Time	COLLECT: Blow Counts	COLLECT: Recovery (%)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft.)
0								(0') ASPHALT: (~2 inches).			0
								(0.2') Silty SAND (SM); fine-medium grained sand, some silt, dry, dark brown.			
5											5
10											10
								(14') Silty SAND (SM); fine-medium grained sand, some silt, dry, reddish.			
15											15
20											20

Note:

SAGE ENVIRONMENTAL CONSULTING	Client: Genuine Parts Company Project: Rayloc Address: 600 Rayloc Drive, Atlanta, GA	BORING LOG Boring No. A1-I20 Page: 2 of 6

Borehole Cl. Date:	NA	Boring Depth (ft):	102	Well Depth (ft):	102
Borehole Cl. Company:	NA	Boring Diameter (in):	6	Well Diam. (in):	2
Borehole Cl. Method:	NA	Sampling Method(s):	NA	Screen Slot S. (in):	0.010
Drilling Start Date:	12/11/2014	Logged By:	Jack Wintle	Riser Material:	Sch 40 PVC
Drilling End Date:	12/11/2014	Boring Location (X):		Screen Material:	Sch 40 PVC Slotted
Drilling Company:	Env. Exploration	Boring Location (Y):		Seal Material(s):	Bentonite Pellets
Drilling Method:	Hollow Stem Auger	Boring Elevation (Z):		Filter Pack:	20-40 Sand Filter Pack

DEPTH (ft.)	EARTH	WATER LEVEL	WELL/BORING COMPLETION	COLLECT: Sample Type	COLLECT: Sample Time	COLLECT: Blow Counts	COLLECT: Recovery (%)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft.)
20								(as above, slight solvent odor @ 20 feet)			20
								(24') Silty SAND (SM); fine-medium grained sand, some silt, dry, reddish-gray.			
25											25
30											30
35								(as above, stronger solvent odor @ 35 feet)			35
40											40

Note:

SAGE ENVIRONMENTAL CONSULTING	Client: Genuine Parts Company Project: Rayloc Address: 600 Rayloc Drive, Atlanta, GA	**BORING LOG** Boring No. A1-I20 Page: 3 of 6

Borehole Cl. Date:	**NA**	Boring Depth (ft):	**102**	Well Depth (ft):	**102**
Borehole Cl. Company:	**NA**	Boring Diameter (in):	**6**	Well Diam. (in):	**2**
Borehole Cl. Method:	**NA**	Sampling Method(s):	**NA**	Screen Slot S. (in):	**0.010**
Drilling Start Date:	**12/11/2014**	Logged By:	**Jack Wintle**	Riser Material:	**Sch 40 PVC**
Drilling End Date:	**12/11/2014**	Boring Location (X):		Screen Material:	**Sch 40 PVC Slotted**
Drilling Company:	**Env. Exploration**	Boring Location (Y):		Seal Material(s):	**Bentonite Pellets**
Drilling Method:	**Hollow Stem Auger**	Boring Elevation (Z):		Filter Pack:	**20-40 Sand Filter Pack**

DEPTH (ft.)	EARTH	WATER LEVEL	WELL/BORING COMPLETION	COLLECT: Sample Type	COLLECT: Sample Time	COLLECT: Blow Counts	COLLECT: Recovery (%)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft.)
40								Silty SAND (SM); fine-medium grained sand, some silt, dry, reddish-gray.			40
45		▼									45
50											50
55											55
60											60

Note:

SAGE ENVIRONMENTAL CONSULTING	Client: Genuine Parts Company Project: Rayloc Address: 600 Rayloc Drive, Atlanta, GA	**BORING LOG** Boring No. A1-I20 Page: 4 of 6

Borehole Cl. Date:	NA	Boring Depth (ft):	102	Well Depth (ft):	102
Borehole Cl. Company:	NA	Boring Diameter (in):	6	Well Diam. (in):	2
Borehole Cl. Method:	NA	Sampling Method(s):	NA	Screen Slot S. (in):	0.010
Drilling Start Date:	12/11/2014	Logged By:	Jack Wintle	Riser Material:	Sch 40 PVC
Drilling End Date:	12/11/2014	Boring Location (X):		Screen Material:	Sch 40 PVC Slotted
Drilling Company:	Env. Exploration	Boring Location (Y):		Seal Material(s):	Bentonite Pellets
Drilling Method:	Hollow Stem Auger	Boring Elevation (Z):		Filter Pack:	20-40 Sand Filter Pack

DEPTH (ft.)	EARTH	WATER LEVEL	WELL/BORING COMPLETION	COLLECT: Sample Type	COLLECT: Sample Time	COLLECT: Blow Counts	COLLECT: Recovery (%)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft.)
60								(as above, slight solvent odor @60 feet)			60
65											65
70											70
75											75
80											80

Note:

SAGE ENVIRONMENTAL CONSULTING	Client: Genuine Parts Company Project: Rayloc Address: 600 Rayloc Drive, Atlanta, GA	BORING LOG Boring No. A1-I20 Page: 5 of 6

Borehole Cl. Date:	NA	Boring Depth (ft):	102	Well Depth (ft):	102
Borehole Cl. Company:	NA	Boring Diameter (in):	6	Well Diam. (in):	2
Borehole Cl. Method:	NA	Sampling Method(s):	NA	Screen Slot S. (in):	0.010
Drilling Start Date:	12/11/2014	Logged By:	Jack Wintle	Riser Material:	Sch 40 PVC
Drilling End Date:	12/11/2014	Boring Location (X):		Screen Material:	Sch 40 PVC Slotted
Drilling Company:	Env. Exploration	Boring Location (Y):		Seal Material(s):	Bentonite Pellets
Drilling Method:	Hollow Stem Auger	Boring Elevation (Z):		Filter Pack:	20-40 Sand Filter Pack

DEPTH (ft.)	EARTH	WATER LEVEL	WELL/BORING COMPLETION	COLLECT: Sample Type	COLLECT: Sample Time	COLLECT: Blow Counts	COLLECT: Recovery (%)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft.)
80								Silty SAND (SM); fine-medium grained sand, some silt, dry, reddish-gray.			80
85								(as above, no longer solvent odor @ 85 feet)			85
90											90
95											95
100											100

Note:

SAGE ENVIRONMENTAL CONSULTING	Client: Genuine Parts Company Project: Rayloc Address: 600 Rayloc Drive, Atlanta, GA	**BORING LOG** Boring No. A1-I20 Page: 6 of 6

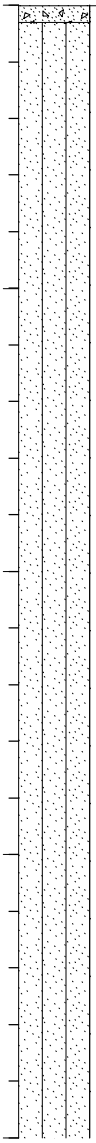
Borehole Cl. Date:	**NA**	Boring Depth (ft):	**102**	Well Depth (ft):	**102**
Borehole Cl. Company:	**NA**	Boring Diameter (in):	**6**	Well Diam. (in):	**2**
Borehole Cl. Method:	**NA**	Sampling Method(s):	**NA**	Screen Slot S. (in):	**0.010**
Drilling Start Date:	**12/11/2014**	Logged By:	**Jack Wintle**	Riser Material:	**Sch 40 PVC**
Drilling End Date:	**12/11/2014**	Boring Location (X):		Screen Material:	**Sch 40 PVC Slotted**
Drilling Company:	**Env. Exploration**	Boring Location (Y):		Seal Material(s):	**Bentonite Pellets**
Drilling Method:	**Hollow Stem Auger**	Boring Elevation (Z):		Filter Pack:	**20-40 Sand Filter Pack**

DEPTH (ft.)	EARTH	WATER LEVEL	WELL/BORING COMPLETION	COLLECT: Sample Type	COLLECT: Sample Time	COLLECT: Blow Counts	COLLECT: Recovery (%)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft.)
100								Silty SAND (SM); fine-medium grained sand, some silt, dry, reddish-gray.			100
105											105

Note:

SAGE ENVIRONMENTAL CONSULTING	Client: Genuine Parts Company Project: Rayloc Address: 600 Rayloc Drive, Atlanta, GA	**BORING LOG** Boring No. A1-I21 Page: 1 of 4

Borehole Cl. Date:	NA	Boring Depth (ft):	71	Well Depth (ft):	71
Borehole Cl. Company:	NA	Boring Diameter (in):	6	Well Diam. (in):	2
Borehole Cl. Method:	NA	Sampling Method(s):	NA	Screen Slot S. (in):	0.010
Drilling Start Date:	12/11/2014	Logged By:	Jack Wintle	Riser Material:	Sch 40 PVC
Drilling End Date:	12/11/2014	Boring Location (X):		Screen Material:	Sch 40 PVC Slotted
Drilling Company:	Env. Exploration	Boring Location (Y):		Seal Material(s):	Bentonite Pellets
Drilling Method:	Hollow Stem Auger	Boring Elevation (Z):		Filter Pack:	20-40 Sand Filter Pack

DEPTH (ft.)	EARTH	WATER LEVEL	WELL/BORING COMPLETION	COLLECT: Sample Type	COLLECT: Sample Time	COLLECT: Blow Counts	COLLECT: Recovery (%)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft.)
0								(0') CONCRETE: (~3 inches). (0.3') Silty SAND (SM); fine-medium grained sand, some silt, dry, dark brown.			0
5											5
10											10
15								(14') Silty SAND (SM); fine-medium grained sand, some silt, dry, reddish.			15
20											20

Note:

SAGE ENVIRONMENTAL CONSULTING	Client: Genuine Parts Company Project: Rayloc Address: 600 Rayloc Drive, Atlanta, GA	**BORING LOG** Boring No. A1-I21 Page: 2 of 4

Borehole Cl. Date:	**NA**	Boring Depth (ft):	**71**	Well Depth (ft):	**71**
Borehole Cl. Company:	**NA**	Boring Diameter (in):	**6**	Well Diam. (in):	**2**
Borehole Cl. Method:	**NA**	Sampling Method(s):	**NA**	Screen Slot S. (in):	**0.010**
Drilling Start Date:	**12/11/2014**	Logged By:	**Jack Wintle**	Riser Material:	**Sch 40 PVC**
Drilling End Date:	**12/11/2014**	Boring Location (X):		Screen Material:	**Sch 40 PVC Slotted**
Drilling Company:	**Env. Exploration**	Boring Location (Y):		Seal Material(s):	**Bentonite Pellets**
Drilling Method:	**Hollow Stem Auger**	Boring Elevation (Z):		Filter Pack:	**20-40 Sand Filter Pack**

DEPTH (ft.)	EARTH	WATER LEVEL	WELL/BORING COMPLETION	COLLECT: Sample Type	COLLECT: Sample Time	COLLECT: Blow Counts	COLLECT: Recovery (%)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft.)
20								Silty SAND (SM); fine-medium grained sand, some silt, dry, reddish.			20
								(24') Silty SAND (SM); fine-medium grained sand, some silt, dry, reddish-gray.			
25											25
30											30
35											35
40											40

Note:

SAGE ENVIRONMENTAL CONSULTING	Client: Genuine Parts Company Project: Rayloc Address: 600 Rayloc Drive, Atlanta, GA	BORING LOG Boring No. A1-I21 Page: 3 of 4

Borehole Cl. Date:	NA	Boring Depth (ft):	71	Well Depth (ft):	71
Borehole Cl. Company:	NA	Boring Diameter (in):	6	Well Diam. (in):	2
Borehole Cl. Method:	NA	Sampling Method(s):	NA	Screen Slot S. (in):	0.010
Drilling Start Date:	12/11/2014	Logged By:	Jack Wintle	Riser Material:	Sch 40 PVC
Drilling End Date:	12/11/2014	Boring Location (X):		Screen Material:	Sch 40 PVC Slotted
Drilling Company:	Env. Exploration	Boring Location (Y):		Seal Material(s):	Bentonite Pellets
Drilling Method:	Hollow Stem Auger	Boring Elevation (Z):		Filter Pack:	20-40 Sand Filter Pack

DEPTH (ft.)	EARTH	WATER LEVEL	WELL/BORING COMPLETION	COLLECT: Sample Type	COLLECT: Sample Time	COLLECT: Blow Counts	COLLECT: Recovery (%)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft.)
40								Silty SAND (SM); fine-medium grained sand, some silt, dry, reddish-gray.			40
45		▼									45
50											50
55											55
60											60

Note:

SAGE ENVIRONMENTAL CONSULTING	Client: Genuine Parts Company Project: Rayloc Address: 600 Rayloc Drive, Atlanta, GA	**BORING LOG** Boring No. A1-I21 Page: 4 of 4

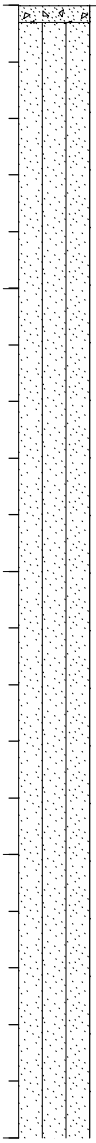
Borehole Cl. Date:	**NA**	Boring Depth (ft):	**71**	Well Depth (ft):	**71**
Borehole Cl. Company:	**NA**	Boring Diameter (in):	**6**	Well Diam. (in):	**2**
Borehole Cl. Method:	**NA**	Sampling Method(s):	**NA**	Screen Slot S. (in):	**0.010**
Drilling Start Date:	**12/11/2014**	Logged By:	**Jack Wintle**	Riser Material:	**Sch 40 PVC**
Drilling End Date:	**12/11/2014**	Boring Location (X):		Screen Material:	**Sch 40 PVC Slotted**
Drilling Company:	**Env. Exploration**	Boring Location (Y):		Seal Material(s):	**Bentonite Pellets**
Drilling Method:	**Hollow Stem Auger**	Boring Elevation (Z):		Filter Pack:	**20-40 Sand Filter Pack**

DEPTH (ft.)	EARTH	WATER LEVEL	WELL/BORING COMPLETION	COLLECT: Sample Type	COLLECT: Sample Time	COLLECT: Blow Counts	COLLECT: Recovery (%)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft.)
60								Silty SAND (SM); fine-medium grained sand, some silt, dry, reddish-gray.			60
65											65
70											70
75											75

Note:

SAGE ENVIRONMENTAL CONSULTING	Client: Genuine Parts Company Project: Rayloc Address: 600 Rayloc Drive, Atlanta, GA	**BORING LOG** Boring No. A1-I22 Page: 1 of 4

Borehole Cl. Date:	**NA**	Boring Depth (ft):	**69**	Well Depth (ft):	**69**
Borehole Cl. Company:	**NA**	Boring Diameter (in):	**6**	Well Diam. (in):	**2**
Borehole Cl. Method:	**NA**	Sampling Method(s):	**NA**	Screen Slot S. (in):	**0.010**
Drilling Start Date:	**12/10/2014**	Logged By:	**Jack Wintle**	Riser Material:	**Sch 40 PVC**
Drilling End Date:	**12/10/2014**	Boring Location (X):		Screen Material:	**Sch 40 PVC Slotted**
Drilling Company:	**Env. Exploration**	Boring Location (Y):		Seal Material(s):	**Bentonite Pellets**
Drilling Method:	**Hollow Stem Auger**	Boring Elevation (Z):		Filter Pack:	**20-40 Sand Filter Pack**

DEPTH (ft.)	EARTH	WATER LEVEL	WELL/BORING COMPLETION	COLLECT: Sample Type	COLLECT: Sample Time	COLLECT: Blow Counts	COLLECT: Recovery (%)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft.)
0								(0') CONCRETE: (~3 inches). (0.3') Silty SAND (SM); fine-medium grained sand, some silt, dry, dark brown.			0
5											5
10											10
15								(14') Silty SAND (SM); fine-medium grained sand, some silt, dry, reddish.			15
20											20

Note:

SAGE ENVIRONMENTAL CONSULTING	Client: Genuine Parts Company Project: Rayloc Address: 600 Rayloc Drive, Atlanta, GA	BORING LOG Boring No. A1-I22 Page: 2 of 4

Borehole Cl. Date:	NA	Boring Depth (ft):	69	Well Depth (ft):	69
Borehole Cl. Company:	NA	Boring Diameter (in):	6	Well Diam. (in):	2
Borehole Cl. Method:	NA	Sampling Method(s):	NA	Screen Slot S. (in):	0.010
Drilling Start Date:	12/10/2014	Logged By:	Jack Wintle	Riser Material:	Sch 40 PVC
Drilling End Date:	12/10/2014	Boring Location (X):		Screen Material:	Sch 40 PVC Slotted
Drilling Company:	Env. Exploration	Boring Location (Y):		Seal Material(s):	Bentonite Pellets
Drilling Method:	Hollow Stem Auger	Boring Elevation (Z):		Filter Pack:	20-40 Sand Filter Pack

DEPTH (ft.)	EARTH	WATER LEVEL	WELL/BORING COMPLETION	COLLECT: Sample Type	COLLECT: Sample Time	COLLECT: Blow Counts	COLLECT: Recovery (%)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft.)
20								Silty SAND (SM); fine-medium grained sand, some silt, dry, reddish.			20
								(24') Silty SAND (SM); fine-medium grained sand, some silt, dry, reddish-gray.			
25											25
30											30
35											35
40											40

Note:

SAGE ENVIRONMENTAL CONSULTING	Client: Genuine Parts Company Project: Rayloc Address: 600 Rayloc Drive, Atlanta, GA	**BORING LOG** Boring No. A1-I22 Page: 3 of 4

Borehole Cl. Date:	**NA**	Boring Depth (ft):	**69**	Well Depth (ft):	**69**
Borehole Cl. Company:	**NA**	Boring Diameter (in):	**6**	Well Diam. (in):	**2**
Borehole Cl. Method:	**NA**	Sampling Method(s):	**NA**	Screen Slot S. (in):	**0.010**
Drilling Start Date:	**12/10/2014**	Logged By:	**Jack Wintle**	Riser Material:	**Sch 40 PVC**
Drilling End Date:	**12/10/2014**	Boring Location (X):		Screen Material:	**Sch 40 PVC Slotted**
Drilling Company:	**Env. Exploration**	Boring Location (Y):		Seal Material(s):	**Bentonite Pellets**
Drilling Method:	**Hollow Stem Auger**	Boring Elevation (Z):		Filter Pack:	**20-40 Sand Filter Pack**

DEPTH (ft.)	EARTH	WATER LEVEL	WELL/BORING COMPLETION	COLLECT: Sample Type	COLLECT: Sample Time	COLLECT: Blow Counts	COLLECT: Recovery (%)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft.)
40								Silty SAND (SM); fine-medium grained sand, some silt, dry, reddish-gray.			40
45											45
50											50
55											55
60											60

Note:

SAGE ENVIRONMENTAL CONSULTING	Client: Genuine Parts Company Project: Rayloc Address: 600 Rayloc Drive, Atlanta, GA	**BORING LOG** Boring No. A1-I22 Page: 4 of 4

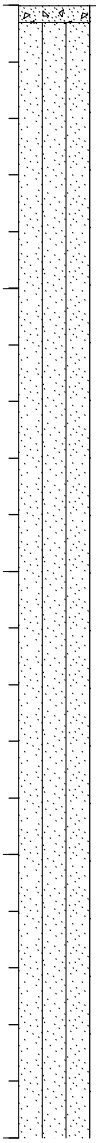
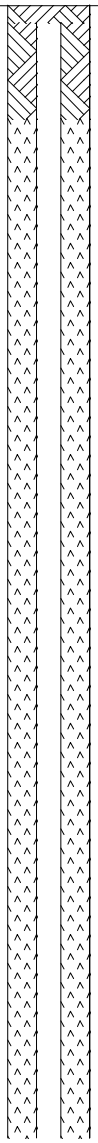
Borehole Cl. Date:	**NA**	Boring Depth (ft):	**69**	Well Depth (ft):	**69**
Borehole Cl. Company:	**NA**	Boring Diameter (in):	**6**	Well Diam. (in):	**2**
Borehole Cl. Method:	**NA**	Sampling Method(s):	**NA**	Screen Slot S. (in):	**0.010**
Drilling Start Date:	**12/10/2014**	Logged By:	**Jack Wintle**	Riser Material:	**Sch 40 PVC**
Drilling End Date:	**12/10/2014**	Boring Location (X):		Screen Material:	**Sch 40 PVC Slotted**
Drilling Company:	**Env. Exploration**	Boring Location (Y):		Seal Material(s):	**Bentonite Pellets**
Drilling Method:	**Hollow Stem Auger**	Boring Elevation (Z):		Filter Pack:	**20-40 Sand Filter Pack**

DEPTH (ft.)	EARTH	WATER LEVEL	WELL/BORING COMPLETION	COLLECT: Sample Type	COLLECT: Sample Time	COLLECT: Blow Counts	COLLECT: Recovery (%)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft.)
60								Silty SAND (SM); fine-medium grained sand, some silt, dry, reddish-gray.			60
65											65
70											70

Note:

SAGE ENVIRONMENTAL CONSULTING	Client: Genuine Parts Company Project: Rayloc Address: 600 Rayloc Drive, Atlanta, GA	**BORING LOG** Boring No. A1-I23 Page: 1 of 4

Borehole Cl. Date:	**NA**	Boring Depth (ft):	**71**	Well Depth (ft):	**71**
Borehole Cl. Company:	**NA**	Boring Diameter (in):	**6**	Well Diam. (in):	**2**
Borehole Cl. Method:	**NA**	Sampling Method(s):	**NA**	Screen Slot S. (in):	**0.010**
Drilling Start Date:	**12/10/2014**	Logged By:	**Jack Wintle**	Riser Material:	**Sch 40 PVC**
Drilling End Date:	**12/10/2014**	Boring Location (X):		Screen Material:	**Sch 40 PVC Slotted**
Drilling Company:	**Env. Exploration**	Boring Location (Y):		Seal Material(s):	**Bentonite Pellets**
Drilling Method:	**Hollow Stem Auger**	Boring Elevation (Z):		Filter Pack:	**20-40 Sand Filter Pack**

DEPTH (ft.)	EARTH	WATER LEVEL	WELL/BORING COMPLETION	COLLECT: Sample Type	COLLECT: Sample Time	COLLECT: Blow Counts	COLLECT: Recovery (%)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft.)
0								(0') CONCRETE: (~3 inches). (0.3') Silty SAND (SM); fine-medium grained sand, some silt, dry, dark brown.			0
5											5
10											10
15								(14') Silty SAND (SM); fine-medium grained sand, some silt, dry, reddish.			15
20											20

Note:

SAGE ENVIRONMENTAL CONSULTING	Client: Genuine Parts Company Project: Rayloc Address: 600 Rayloc Drive, Atlanta, GA	**BORING LOG** Boring No. A1-I23 Page: 2 of 4

Borehole Cl. Date:	**NA**	Boring Depth (ft):	**71**	Well Depth (ft):	**71**
Borehole Cl. Company:	**NA**	Boring Diameter (in):	**6**	Well Diam. (in):	**2**
Borehole Cl. Method:	**NA**	Sampling Method(s):	**NA**	Screen Slot S. (in):	**0.010**
Drilling Start Date:	**12/10/2014**	Logged By:	**Jack Wintle**	Riser Material:	**Sch 40 PVC**
Drilling End Date:	**12/10/2014**	Boring Location (X):		Screen Material:	**Sch 40 PVC Slotted**
Drilling Company:	**Env. Exploration**	Boring Location (Y):		Seal Material(s):	**Bentonite Pellets**
Drilling Method:	**Hollow Stem Auger**	Boring Elevation (Z):		Filter Pack:	**20-40 Sand Filter Pack**

DEPTH (ft.)	EARTH	WATER LEVEL	WELL/BORING COMPLETION	COLLECT: Sample Type	COLLECT: Sample Time	COLLECT: Blow Counts	COLLECT: Recovery (%)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft.)
20								Silty SAND (SM); fine-medium grained sand, some silt, dry, reddish.			20
								(24') Silty SAND (SM); fine-medium grained sand, some silt, dry, reddish-gray.			
25											25
30											30
35											35
40											40

Note:

SAGE ENVIRONMENTAL CONSULTING	Client: Genuine Parts Company Project: Rayloc Address: 600 Rayloc Drive, Atlanta, GA	**BORING LOG** Boring No. A1-I23 Page: 3 of 4

Borehole Cl. Date:	**NA**	Boring Depth (ft):	**71**	Well Depth (ft):	**71**
Borehole Cl. Company:	**NA**	Boring Diameter (in):	**6**	Well Diam. (in):	**2**
Borehole Cl. Method:	**NA**	Sampling Method(s):	**NA**	Screen Slot S. (in):	**0.010**
Drilling Start Date:	**12/10/2014**	Logged By:	**Jack Wintle**	Riser Material:	**Sch 40 PVC**
Drilling End Date:	**12/10/2014**	Boring Location (X):		Screen Material:	**Sch 40 PVC Slotted**
Drilling Company:	**Env. Exploration**	Boring Location (Y):		Seal Material(s):	**Bentonite Pellets**
Drilling Method:	**Hollow Stem Auger**	Boring Elevation (Z):		Filter Pack:	**20-40 Sand Filter Pack**

DEPTH (ft.)	EARTH	WATER LEVEL	WELL/BORING COMPLETION	COLLECT: Sample Type	COLLECT: Sample Time	COLLECT: Blow Counts	COLLECT: Recovery (%)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft.)
40								Silty SAND (SM); fine-medium grained sand, some silt, dry, reddish-gray.			40
45											45
50		▼									50
55								(as above, moist soil encountered at 55 feet)			55
60											60

Note:

SAGE ENVIRONMENTAL CONSULTING	Client: Genuine Parts Company Project: Rayloc Address: 600 Rayloc Drive, Atlanta, GA	**BORING LOG** Boring No. A1-I23 Page: 4 of 4

Borehole Cl. Date:	**NA**	Boring Depth (ft):	**71**	Well Depth (ft):	**71**
Borehole Cl. Company:	**NA**	Boring Diameter (in):	**6**	Well Diam. (in):	**2**
Borehole Cl. Method:	**NA**	Sampling Method(s):	**NA**	Screen Slot S. (in):	**0.010**
Drilling Start Date:	**12/10/2014**	Logged By:	**Jack Wintle**	Riser Material:	**Sch 40 PVC**
Drilling End Date:	**12/10/2014**	Boring Location (X):		Screen Material:	**Sch 40 PVC Slotted**
Drilling Company:	**Env. Exploration**	Boring Location (Y):		Seal Material(s):	**Bentonite Pellets**
Drilling Method:	**Hollow Stem Auger**	Boring Elevation (Z):		Filter Pack:	**20-40 Sand Filter Pack**

DEPTH (ft.)	EARTH	WATER LEVEL	WELL/BORING COMPLETION	COLLECT: Sample Type	COLLECT: Sample Time	COLLECT: Blow Counts	COLLECT: Recovery (%)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft.)
60								Silty SAND (SM); fine-medium grained sand, some silt, dry, reddish-gray.			60
65											65
70											70
75											75

Note:

SAGE ENVIRONMENTAL CONSULTING	Client: Genuine Parts Company Project: Rayloc Address: 600 Rayloc Drive, Atlanta, GA	**BORING LOG** **Boring No. LEGEND** **Page: 1 of 1**

Borehole Cl. Date:	Boring Depth (ft):	Well Depth (ft):
Borehole Cl. Company:	Boring Diameter (in):	Well Diam. (in):
Borehole Cl. Method:	Sampling Method(s):	Screen Slot S. (in):
Drilling Start Date:	Logged By:	Riser Material:
Drilling End Date:	Boring Location (X):	Screen Material:
Drilling Company:	Boring Location (Y):	Seal Material(s):
Drilling Method:	Boring Elevation (Z):	Filter Pack:

DEPTH (ft.)	EARTH	WATER LEVEL	WELL/BORING COMPLETION	COLLECT: Sample Type	COLLECT: Sample Time	COLLECT: Blow Counts	COLLECT: Recovery (%)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft.)
0								ASPHALT			0
								CONCRETE			
								FILL			
								Well graded GRAVEL (GW)			
5								Poorly graded GRAVEL (GP)			5
								Silty GRAVEL (GM)			
								Clayey GRAVEL (GC)			
								Well graded SAND (SW)			
								Poorly graded SAND (SP)			
10								Silty SAND (SM)			10
								Clayey SAND (SC)			
								Inorganic SILT with low plasticity (ML)			
								Lean Inorganic CLAY with low plasticity (CL)			
								Organic SILT with low plasticity (OL)			
15								Elastic inorganic SILT with moderate to high plasticity (MH)			15
								Fat inorganic CLAY with moderate to high plasticity (CH)			
								Organic SILT or CLAY with moderate to high plasticity (OH)			
								PEAT soils with high organic contents (PT)			
								BEDROCK			
20		▽									20
		▼						Water Level During Drilling			
								Water Level In Completed Well			
								RISER			
								SCREEN			
25								FILTER PACK			25
								CEMENT SEAL			
								BENTONITE SEAL			
								BACKFILL			
				GR				Grab			
30				EN				Encore			30
				SS				Split Spoon			
				SH				Shelby Tube			
				CO				Core Barrel			
				DP				Direct Push			
35											35

Note:

APPENDIX C
EGEO SYSTEM
GROUNDWATER SAMPLING LOGS

SAGE
ENVIRONMENTAL CONSULTING

GROUNDWATER SAMPLING LOG

SITE NAME: RAYLOC		SITE LOCATION: RR
WELL NO: MW-12	SAMPLE ID: MW-12 @60'	DATE: 12/17/14

PURGING DATA

WELL DIAMETER (in.): 2	TOTAL WELL DEPTH (ft): 96	STATIC DEPTH TO WATER (ft): 27.03	WELL CAPACITY (gal/ft): —

1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY = 0.658

PURGE METHOD: LF/LP	PURGE INITIATED AT: 1210	PURGE ENDED AT: 1234	TOTAL VOL PURGED (gal): >1.0

TIME	VOLUME PURGED (gal)	CUML. VOLUME PURGED (gal)	PURGE RATE (gpm)	DEPTH TO WATER (ft)	TEMP. (°c)	pH	ORP (millivolts)	COND. (µS/m)	TURB. (NTUs)	DO (mg/L)	TDS
1216	1/4	1/4	—	27.29	16.53	5.27	196.7	~~0.502~~ 0.052 µS/cm	O/R	4.23	—
1219	1/8	>1/4	—	27.37	16.61	5.25	201.3	.051	O/R	4.22	—
1222	<1/8	<1/2	—	27.40	16.68	5.24	206.2	0.052	O/R	4.13	—
1225	<1/8	1/2	—	27.44	16.66	5.23	209.9	0.052	O/R	4.13	—
1228	<1/8	>1/2	—	27.49	16.70	5.22	215.6	0.053	O/R	4.10	—
1231	1/8	<3/4	—	27.50	16.72	5.22	218.9	0.052	O/R	4.10	—
1234	<1/8	3/4	—	27.51	16.69	5.22	221.4	0.052	O/R	4.08	—
				SAMPLE							

WELL CAPACITY (gal/ft): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06;2"=0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

Pump Type: QED micropurge	Tubing Type: PE

SAMPLING DATA

SAMPLED BY (PRINT): Matthew Howe		SAMPLER(S) SIGNATURE(S): [signature]
SAMPLING METHOD(S): LF/LP	SAMPLING INITIATED AT: 1237	SAMPLING ENDED AT: 1240
FIELD DECON: Y (N)	FIELD FILTERED: Y (N)	DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD
NO.	MAT'L CODE	VOLUME	PRESERVATIVE USED	
3	CG	40ml/VOA	HCL	8260B

Groundwater Parameter Tolerances (if possible):	Turbidity: <10 NTUs Temperature: +/- 5 °F pH: +/- 0.2 Units ORP: +/- 20 millivolts	DO: +/- 0.2 mg/l or +/- 10% Specific Conductance: +/- 3% Drawdown: no more than 25% of screened interval above pump intake

MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; O=OTHER (SPECIFY)

REMARKS:

SAGE
ENVIRONMENTAL CONSULTING

GROUNDWATER SAMPLING LOG

SITE NAME: RAYLOC		SITE LOCATION: Source Area
WELL NO: MW-23	SAMPLE ID: MW-23 @60'	DATE: 12/17/14

PURGING DATA

WELL DIAMETER (in.): 2	TOTAL WELL DEPTH (ft): 69	STATIC DEPTH TO WATER (ft): 49.56	WELL CAPACITY (gal/ft): —

1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY = 0.658

PURGE METHOD: LF/LP	PURGE INITIATED AT: 0834	PURGE ENDED AT: 0905	TOTAL VOL PURGED (gal): 1.75

TIME	VOLUME PURGED (gal)	CUML. VOLUME PURGED (gal)	PURGE RATE (gpm)	DEPTH TO WATER (ft)	TEMP. (°c)	pH	ORP (millivolts)	COND. ~~(µS/m)~~ (µS/cm)	TURB. (NTUs)	DO (mg/L)	TDS
0847	3/4	3/4	—	51.0	22.86	5.44	167.6	0.468	810	0	—
0850	1	1/4	—	51.0	22.75	5.42	174.5	0.471	770	0	—
0853	>1	1/8	—	51.5	22.83	5.37	182.0	0.479	523	0	—
0856	>1	<1/8	—	51.5	22.80	5.35	187.0	0.483	353	0	—
0859	1.25	<1/8	—	51.5	22.68	5.33	193.7	0.483	278	0	—
0902	1.5	<1/4	—	52.0	22.64	5.33	197.6	0.485	200	0	—
0905	1.75	<1/4	—	52.2	22.58	5.28	205.0	0.488	168	0	—
					SAMPLE						

WELL CAPACITY (gal/ft): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06;2"=0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

Pump Type: QED Micropurge	Tubing Type: PE

SAMPLING DATA

SAMPLED BY (PRINT): Matthew Howe		SAMPLER(S) SIGNATURE(S): [signature]
SAMPLING METHOD(S): LF/LP	SAMPLING INITIATED AT: 0906	SAMPLING ENDED AT: 0908
FIELD DECON: Y (N)	FIELD FILTERED: Y (N)	DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD
NO.	MAT'L CODE	VOLUME	PRESERVATIVE USED	
3	CG	40ml VOA	HCL	8260B

Groundwater Parameter Tolerances (if possible):	Turbidity: <10 NTUs Temperature: +/- 5 °F pH: +/- 0.2 Units ORP: +/- 20 millivolts	DO: +/- 0.2 mg/l or +/- 10% Specific Conductance: +/- 3% Drawdown: no more than 25% of screened interval above pump intake

MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; O=OTHER (SPECIFY)

REMARKS:

SAGE
ENVIRONMENTAL CONSULTING

GROUNDWATER SAMPLING LOG

SITE NAME: RAYLOC		SITE LOCATION: Source Area
WELL NO: MW-22	SAMPLE ID: MW-22 @60'	DATE: 12/17/14

PURGING DATA

WELL DIAMETER (in.): 2	TOTAL WELL DEPTH (ft): 70	STATIC DEPTH TO WATER (ft): 44.29	WELL CAPACITY (gal/ft): —

1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY = 0.658

PURGE METHOD: LF/LP	PURGE INITIATED AT: 0940	PURGE ENDED AT: 1013	TOTAL VOL PURGED (gal): >1/2

TIME	VOLUME PURGED (gal)	CUML. VOLUME PURGED (gal)	PURGE RATE (gpm)	DEPTH TO WATER (ft)	TEMP. (°c)	pH	ORP (millivolts)	COND. (µS/m) mS/cm	TURB. (NTUs)	DO (mg/L)	TDS
0958	1/8	1/8	—	44.59	20.22	5.14	105.5	.057	98	0.71	—
1001	1/8	1/4	—	44.59	20.47	5.14	120.0	.058	935	0.57	—
1004	1/8	1/4	—	44.59	20.59	5.15	130.0	.060	659	0.45	—
1007	1/8	<1/2	—	44.60	20.66	5.16	136.3	.064	572	0.42	—
1010	<1/8	1/2	—	44.60	20.66	5.18	144.0	.068	397	0.38	—
1013	<1/8	>1/2	—	44.61	20.74	5.20	151.0	.073	400	0.35	—
				SAMPLE							

WELL CAPACITY (gal/ft): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06;2"=0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

Pump Type: QED micropurge	Tubing Type: PE

SAMPLING DATA

SAMPLED BY (PRINT): Matthew Howe		SAMPLER(S) SIGNATURE(S): [signature]
SAMPLING METHOD(S): LF/LP	SAMPLING INITIATED AT: 1015	SAMPLING ENDED AT: 1018
FIELD DECON: Y (N)	FIELD FILTERED: Y (N)	DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD
NO.	MAT'L CODE	VOLUME	PRESERVATIVE USED	
3	CG	40ml VOA	HCL	8260B

Groundwater Parameter Tolerances (if possible):
Turbidity: <10 NTUs
Temperature: +/- 5 °F
pH: +/- 0.2 Units
ORP: +/- 20 millivolts
DO: +/- 0.2 mg/l or +/- 10%
Specific Conductance: +/- 3%
Drawdown: no more than 25% of screened interval above pump intake

MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; O=OTHER (SPECIFY)

REMARKS:

SAGE
ENVIRONMENTAL CONSULTING

GROUNDWATER SAMPLING LOG

SITE NAME: RAYLOC		SITE LOCATION: Source Area
WELL NO: MW-21	SAMPLE ID: MW-21@60'	DATE: 12/17/14

PURGING DATA

WELL DIAMETER (in.): 2	TOTAL WELL DEPTH (ft): 75	STATIC DEPTH TO WATER (ft): 48.27	WELL CAPACITY (gal/ft): —

1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY = 0.658

PURGE METHOD: LF/LP	PURGE INITIATED AT: 1035	PURGE ENDED AT: 1108	TOTAL VOL PURGED (gal): 2 3/4

TIME	VOLUME PURGED (gal)	CUML. VOLUME PURGED (gal)	PURGE RATE (gpm)	DEPTH TO WATER (ft)	TEMP. (°c)	pH	ORP (millivolts)	COND. (µS/m) uS/cm	TURB. (NTUs)	DO (mg/L)	TDS
1045	1/8	1/8	—	48.20	15.66	6.64	115.7	0.170	42.1	2.80	—
1048	<1/8	>1/8	—	48.25	15.65	6.68	114.1	0.174	27.8	2.86	—
1051	<1/8	1/4	—	48.51	16.38	6.75	113.2	0.177	21.9	2.83	—
1055	<1/8	>1/4	—	48.81	18.45	6.84	108.9	0.187	19.7	2.67	—
1059	1/8	<1/2	—	49.15	19.05	6.86	107.8	0.191	16.3	2.66	—
1102	1/8	1/2	—	49.35	19.30	6.86	107.2	0.193	15.0	2.64	—
1105	<1/8	>1/2	—	49.49	19.25	6.86	107.2	0.193	13.6	2.66	—
1108	1/8	<3/4	—	49.72	19.32	6.85	107.6	0.194	13.0	2.66	—
					SAMPLE						

WELL CAPACITY (gal/ft): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06;2"=0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

Pump Type: QED Micropurge	Tubing Type: PE

SAMPLING DATA

SAMPLED BY (PRINT): Matthew Howe		SAMPLER(S) SIGNATURE(S): Matt S Howe
SAMPLING METHOD(S): LF/LP	SAMPLING INITIATED AT: 1111	SAMPLING ENDED AT: 1115
FIELD DECON: Y (N)	FIELD FILTERED: Y (N)	DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD
NO.	MAT'L CODE	VOLUME	PRESERVATIVE USED	
3	CG	40 ml VOAs	HCL	8260B

Groundwater Parameter Tolerances (if possible):	Turbidity: <10 NTUs Temperature: +/- 5 °F pH: +/- 0.2 Units ORP: +/- 20 millivolts	DO: +/- 0.2 mg/l or +/- 10% Specific Conductance: +/- 3% Drawdown: no more than 25% of screened interval above pump intake

MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; O=OTHER (SPECIFY)

REMARKS:

SAGE
ENVIRONMENTAL CONSULTING

GROUNDWATER SAMPLING LOG

SITE NAME: RAYLOC		SITE LOCATION: Fulton Co. Housing Authority
WELL NO: PT-3	SAMPLE ID: PT-3@ 60'	DATE: 12/18/14

PURGING DATA

WELL DIAMETER (in.): 2	TOTAL WELL DEPTH (ft): 68	STATIC DEPTH TO WATER (ft): 22.69	WELL CAPACITY (gal/ft):

1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY = 0.658

PURGE METHOD: LF/LP	PURGE INITIATED AT: 1312	PURGE ENDED AT: 1350	TOTAL VOL PURGED (gal): 1.0

TIME	VOLUME PURGED (gal)	CUML. VOLUME PURGED (gal)	PURGE RATE (gpm)	DEPTH TO WATER (ft)	TEMP. (°c)	pH	ORP (millivolts)	COND. ~~(µS/m)~~ µS/cm	TURB. (NTUs)	DO (mg/L)	TDS
1332	1/4	1/4	—	22.98	17.60	4.87	219.9	0.133	O/R	2.73	—
1335	1/8	< 1/2	—	22.99	18.21	4.72	231.2	0.135	O/R	1.95	—
1338	1/8	1/2	—	22.99	18.40	4.70	237.4	0.137	O/R	1.92	—
1341	1/8	> 1/2	—	23.08	18.54	4.70	237.5	0.137	O/R	2.03	—
1344	1/8	< 3/4	—	23.09	18.60	4.72	236.4	0.137	O/R	1.99	—
1347	1/8	3/4	—	23.10	18.54	4.75	233.8	0.136	O/R	2.09	—
1350	1/8	< 1	—	23.11	18.40	4.77	231.8	0.135	O/R	2.09	—
				SAMPLE							

WELL CAPACITY (gal/ft): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06;2"=0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

Pump Type: QED Micropurge Tubing Type: PE

SAMPLING DATA

SAMPLED BY (PRINT): Matthew Howe		SAMPLER(S) SIGNATURE(S): [signature]
SAMPLING METHOD(S): LF/LP	SAMPLING INITIATED AT: 1352	SAMPLING ENDED AT: 1355
FIELD DECON: Y (N)	FIELD FILTERED: Y (N)	DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD
NO.	MAT'L CODE	VOLUME	PRESERVATIVE USED	
3	CG	40 ml VOA	HCL	8260B

Groundwater Parameter Tolerances (if possible):
Turbidity: <10 NTUs
Temperature: +/- 5 °F
pH: +/- 0.2 Units
ORP: +/- 20 millivolts
DO: +/- 0.2 mg/l or +/- 10%
Specific Conductance: +/- 3%
Drawdown: no more than 25% of screened interval above pump intake

MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; O=OTHER (SPECIFY)

REMARKS:

SAGE
ENVIRONMENTAL CONSULTING

GROUNDWATER SAMPLING LOG

SITE NAME: RAYLOC		SITE LOCATION: Fulton Co. Housing Authority
WELL NO: MW-20	SAMPLE ID: MW-20 @60'	DATE: 12/18/14

PURGING DATA

WELL DIAMETER (in.): 2	TOTAL WELL DEPTH (ft): 70	STATIC DEPTH TO WATER (ft): 23.02	WELL CAPACITY (gal/ft): —

1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY = 0.658

PURGE METHOD: LF/LP	PURGE INITIATED AT: 1212	PURGE ENDED AT: 1244	TOTAL VOL PURGED (gal): > 3/4

TIME	VOLUME PURGED (gal)	CUML. VOLUME PURGED (gal)	PURGE RATE (gpm)	DEPTH TO WATER (ft)	TEMP. (°c)	pH	ORP (millivolts)	COND. ~~(µS/m)~~ mS/cm	TURB. (NTUs)	DO (mg/L)	TDS
1222	1/8	1/8	—	22.50	14.66	5.92	159.7	0.073	O/R	4.59	—
1225	<1/8	<1/4	—	22.58	15.51	5.65	181.2	0.080	O/R	4.15	—
1228	<1/8	1/4	—	22.62	15.76	5.61	201.2	0.083	O/R	3.66	—
1231	<1/8	>1/4	—	22.72	15.98	5.59	215.9	0.083	O/R	3.45	—
1234	1/8	<1/2	—	22.72	16.06	5.47	227.6	0.084	O/R	3.28	—
1237	1/8	>1/2	—	22.72	16.13	5.44	239.1	0.084	O/R	3.12	—
1241	1/8	<3/4	—	22.72	16.07	5.40	245.5	0.084	O/R	3.00	—
1244	1/8	3/4	—	22.72	16.03	5.35	253.7	0.084		2.94	—
			SAMPLE								

WELL CAPACITY (gal/ft): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06;2"=0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

Pump Type: QED MicroPurge	Tubing Type: PE

SAMPLING DATA

SAMPLED BY (PRINT): Matthew Howe		SAMPLER(S) SIGNATURE(S): [signature]
SAMPLING METHOD(S): LF/LP	SAMPLING INITIATED AT: 1246	SAMPLING ENDED AT: 1249
FIELD DECON: Y (N)	FIELD FILTERED: Y (N)	DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD
NO.	MAT'L CODE	VOLUME	PRESERVATIVE USED	
3	CG	40ml vials	HCL	8260B

Groundwater Parameter Tolerances (if possible):
Turbidity: <10 NTUs
Temperature: +/- 5 °F
pH: +/- 0.2 Units
ORP: +/- 20 millivolts
DO: +/- 0.2 mg/l or +/- 10%
Specific Conductance: +/- 3%
Drawdown: no more than 25% of screened interval above pump intake

MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; O=OTHER (SPECIFY)

REMARKS:

SAGE
ENVIRONMENTAL CONSULTING

GROUNDWATER SAMPLING LOG

SITE NAME: RAYLOC		SITE LOCATION: Creek
WELL NO: MW-15	SAMPLE ID: MW-15 @ 30'	DATE: 12/18/14

PURGING DATA

WELL DIAMETER (in.): 2	TOTAL WELL DEPTH (ft): 40	STATIC DEPTH TO WATER (ft): 9.19	WELL CAPACITY (gal/ft): —

1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY = 0.658

PURGE METHOD: LF/LP	PURGE INITIATED AT: 1100	PURGE ENDED AT: 1122	TOTAL VOL PURGED (gal): >1.25

TIME	VOLUME PURGED (gal)	CUML. VOLUME PURGED (gal)	PURGE RATE (gpm)	DEPTH TO WATER (ft)	TEMP. (°c)	pH	ORP (millivolts)	COND. ~~(µS/m)~~ µS/cm	TURB. (NTUs)	DO (mg/L)	TDS
1107	<1/2	<1/2	—	8.75	17.51	4.58	190.1	0.103	O/R	1.43	—
1110	<1/8	1/2	—	8.77	17.65	4.55	191.3	0.106	O/R	1.31	—
1113	>1/8	>1/2	—	8.80	17.68	4.53	191.6	0.107	O/R	1.15	—
1116	>1/8	>3/4	—	8.80	17.67	4.53	190.6	0.110	O/R	1.07	—
1119	>1/8	>1	—	8.80	17.70	4.53	190.3	0.109	O/R	1.00	—
1122	>1/8	>1 1/4	—	8.80	17.64	4.53	190.5	0.111	O/R	0.95	—

SAMPLE

WELL CAPACITY (gal/ft): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06;2"=0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

Pump Type: QED Micropurge Tubing Type: PE

SAMPLING DATA

SAMPLED BY (PRINT): Matthew Howe		SAMPLER(S) SIGNATURE(S): [signature]
SAMPLING METHOD(S): LF/LP	SAMPLING INITIATED AT: 1125	SAMPLING ENDED AT: 1128
FIELD DECON: Y (N)	FIELD FILTERED: Y (N)	DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD
NO.	MAT'L CODE	VOLUME	PRESERVATIVE USED	
3	CG	40ml VOAs	HCL	8260B

Groundwater Parameter Tolerances (if possible):
Turbidity: <10 NTUs
Temperature: +/- 5 °F
pH: +/- 0.2 Units
ORP: +/- 20 millivolts
DO: +/- 0.2 mg/l or +/- 10%
Specific Conductance: +/- 3%
Drawdown: no more than 25% of screened interval above pump intake

MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; O=OTHER (SPECIFY)

REMARKS:

SAGE
ENVIRONMENTAL CONSULTING

GROUNDWATER SAMPLING LOG

SITE NAME: RAYLOC		SITE LOCATION: Creek
WELL NO: MW-17	SAMPLE ID: MW-17 0.25'	DATE: 12/18/14

PURGING DATA

WELL DIAMETER (in.): 2	TOTAL WELL DEPTH (ft): 25'	STATIC DEPTH TO WATER (ft): 8.53	WELL CAPACITY (gal/ft): —
1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY = 0.658			
PURGE METHOD: LF/LP	PURGE INITIATED AT: 0905	PURGE ENDED AT: 0936	TOTAL VOL PURGED (gal): >1.25

TIME	VOLUME PURGED (gal)	CUML. VOLUME PURGED (gal)	PURGE RATE (gpm)	DEPTH TO WATER (ft)	TEMP. (°c)	pH	ORP (millivolts)	COND. (µS/m) uS/cm	TURB. (NTUs)	DO (mg/L)	TDS
0915	1/4	1/4	—	8.45	17.15	4.83	261.8	0.139	O/R	1.64	—
0918	1/8	< 1/2	—	8.48	17.28	4.89	268.7	0.138	O/R	1.16	—
0921	1/8	> 1/2	—	8.48	17.32	4.91	271.0	0.136	O/R	0.92	—
0924	1/8	< 3/4	—	8.48	17.36	4.94	271.0	0.135	O/R	0.78	—
0927	1/8	> 3/4	—	8.48	17.36	4.98	268.5	0.133	O/R	0.69	—
0930	1/8	< 1	—	8.48	17.43	4.98	267.5	0.133	O/R	0.65	—
0933	1/8	> 1	—	8.48	17.46	5.01	265.4	0.135	O/R	0.63	—
0936	1/8	< 1 1/4	—	8.49	17.37	5.02	261.3	0.136	O/R	0.60	—
				SAMPLE							

WELL CAPACITY (gal/ft): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06;2"=0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

Pump Type: QED Micropurge **Tubing Type:** PE

SAMPLING DATA

SAMPLED BY (PRINT): Matthew Howe		SAMPLER(S) SIGNATURE(S): Matt S D
SAMPLING METHOD(S): LF/LP	SAMPLING INITIATED AT: 0938	SAMPLING ENDED AT: 0941
FIELD DECON: Y (N)	FIELD FILTERED: Y (N)	DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD
NO.	MAT'L CODE	VOLUME	PRESERVATIVE USED	
3	CG	40 ml VOAs	HCL	8260B

Groundwater Parameter Tolerances (if possible):
Turbidity: <10 NTUs
Temperature: +/- 5 °F
pH: +/- 0.2 Units
ORP: +/- 20 millivolts
DO: +/- 0.2 mg/l or +/- 10%
Specific Conductance: +/- 3%
Drawdown: no more than 25% of screened interval above pump intake

MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; O=OTHER (SPECIFY)

REMARKS:

SAGE
ENVIRONMENTAL CONSULTING

GROUNDWATER SAMPLING LOG

SITE NAME: RAYLOC		SITE LOCATION: Creek
WELL NO: MW-19	SAMPLE ID: MW-19 @ 30'	DATE: 12/18/14

PURGING DATA

WELL DIAMETER (in.): 2	TOTAL WELL DEPTH (ft): 35	STATIC DEPTH TO WATER (ft): 8.85	WELL CAPACITY (gal/ft): —

1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY = 0.658

PURGE METHOD: LF/LP	PURGE INITIATED AT: 1008	PURGE ENDED AT: 1036	TOTAL VOL PURGED (gal): >1¼

TIME	VOLUME PURGED (gal)	CUML. VOLUME PURGED (gal)	PURGE RATE (gpm)	DEPTH TO WATER (ft)	TEMP. (°c)	pH	ORP (millivolts)	COND. ~~(µS/m)~~ mS/cm	TURB. (NTUs)	DO (mg/L)	TDS
1015	1/4	1/4	—	6.10	16.53	5.49	96.9	0.245	O/R	0.27	—
1018	>1/8	<1/2	—	6.10	16.74	5.43	103.8	0.241	O/R	0.14	—
1021	1/4	1/2	—	6.20	16.90	5.41	107.0	0.244	O/R	0.09	—
1024	1/8	>1/2	—	6.30	16.99	5.40	107.3	0.247	O/R	0.04	—
1027	1/8	<3/4	—	6.42	17.11	5.39	108.1	0.256	O/R	0.02	—
1030	1/8	>3/4	—	6.42	17.14	5.39	108.3	0.264	O/R	0.00	—
1033	1/8	1	—	6.42	17.17	5.40	106.0	0.269	O/R	-0.02	—
1036	>1/8	1¼	—	6.42	17.18	5.40	106.3	0.268	O/R	-0.03	—
				SAMPLE							

WELL CAPACITY (gal/ft): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06;2"=0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

Pump Type: QED Micropurge Tubing Type: PE

SAMPLING DATA

SAMPLED BY (PRINT): Matthew Howe		SAMPLER(S) SIGNATURE(S): [signature]
SAMPLING METHOD(S): LF/LP	SAMPLING INITIATED AT: 1038	SAMPLING ENDED AT: 1041
FIELD DECON: Y (N)	FIELD FILTERED: Y (N)	DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD
NO.	MAT'L CODE	VOLUME	PRESERVATIVE USED	
3	CG	40ml VOAs	HCL	8260B

Groundwater Parameter Tolerances (if possible):
Turbidity: <10 NTUs
Temperature: +/- 5 °F
pH: +/- 0.2 Units
ORP: +/- 20 millivolts
DO: +/- 0.2 mg/l or +/- 10%
Specific Conductance: +/- 3%
Drawdown: no more than 25% of screened interval above pump intake

MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; O=OTHER (SPECIFY)

REMARKS:

SAGE
ENVIRONMENTAL CONSULTING

GROUNDWATER SAMPLING LOG

SITE NAME: RAYLOC	SITE LOCATION: Creek	
WELL NO: MW7	SAMPLE ID: MW7@30'	DATE: 12/17/14

PURGING DATA

WELL DIAMETER (in.): 2	TOTAL WELL DEPTH (ft): 35	STATIC DEPTH TO WATER (ft): 27.12	WELL CAPACITY (gal/ft): —

1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY = 0.658

PURGE METHOD: LF/LP	PURGE INITIATED AT: 1410	PURGE ENDED AT: 1444	TOTAL VOL PURGED (gal): >1

TIME	VOLUME PURGED (gal)	CUML. VOLUME PURGED (gal)	PURGE RATE (gpm)	DEPTH TO WATER (ft)	TEMP. (°c)	pH	ORP (millivolts)	COND. ~~(µS/m)~~ µS/cm	TURB. (NTUs)	DO (mg/L)	TDS
1423	>1/4	>1/4	—	25.50	18.39	4.45	281	0.061	N/A	0.84	—
1428	1/4	1/2	—	25.50	18.05	4.42	293	0.062	414	0.83	—
1431	1/8	>1/2	—	25.50	18.38	4.43	297.1	0.062	372	0.75	—
1434	>1/8	3/4	—	25.50	18.46	4.44	300.4	0.062	245	0.76	—
1438	1/8	>3/4	—	25.50	18.43	4.45	303.9	0.063	190	0.82	—
1441	1/8	<1	—	25.50	18.49	4.44	307.1	0.065	199	0.75	—
1444	1/8	>1	—	25.50	18.47	4.44	309.9	0.065	223	0.75	—
					SAMPLE						

WELL CAPACITY (gal/ft): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06;2"=0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

Pump Type: QED Micropurge	Tubing Type: PE

SAMPLING DATA

SAMPLED BY (PRINT): Matthew Howe		SAMPLER(S) SIGNATURE(S): [signature]
SAMPLING METHOD(S): LF/LP	SAMPLING INITIATED AT: 1446	SAMPLING ENDED AT: 1448
FIELD DECON: Y (N)	FIELD FILTERED: Y (N)	DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD
NO.	MAT'L CODE	VOLUME	PRESERVATIVE USED	
3	CG	40ml Vials	HCL	8260B

Groundwater Parameter Tolerances (if possible):	Turbidity: <10 NTUs Temperature: +/- 5 °F pH: +/- 0.2 Units ORP: +/- 20 millivolts	DO: +/- 0.2 mg/l or +/- 10% Specific Conductance: +/- 3% Drawdown: no more than 25% of screened interval above pump intake

MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; O=OTHER (SPECIFY)

REMARKS:

SAGE
ENVIRONMENTAL CONSULTING

GROUNDWATER SAMPLING LOG

SITE NAME: RAYLOC		SITE LOCATION: RR
WELL NO: MW24	SAMPLE ID: MW24 @ 30'	DATE: 12/17/14

PURGING DATA

WELL DIAMETER (in.): 2	TOTAL WELL DEPTH (ft): 35	STATIC DEPTH TO WATER (ft): 23.44	WELL CAPACITY (gal/ft): —

1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY = 0.658

PURGE METHOD: LF/LP	PURGE INITIATED AT: 1302	PURGE ENDED AT: 1341	TOTAL VOL PURGED (gal): <1.5

TIME	VOLUME PURGED (gal)	CUML. VOLUME PURGED (gal)	PURGE RATE (gpm)	DEPTH TO WATER (ft)	TEMP. (°c)	pH	ORP (millivolts)	COND. ~~(µS/m)~~ µS/cm	TURB. (NTUs)	DO (mg/L)	TDS
1312	1/4	1/4	—	24.20	16.67	5.05	243.7	0.298	497	2.81	—
1315	1/8	> 1/4	—	24.34	16.82	5.05	246.7	0.292	201	2.87	—
1318	1/8	1/2	—	24.41	16.86	5.04	248.8	0.286	152	3.14	—
1321	1/8	> 1/2	—	24.53	16.88	5.03	249.4	0.276	130	3.46	—
1324	1/8	< 3/4	—	24.63	16.89	5.03	250.1	0.266	99.8	3.67	—
1327	1/8	3/4	—	24.68	16.91	5.04	251.2	0.257	65.1	3.83	—
1330	1/8	> 3/4	—	24.79	16.95	5.03	252.6	0.258	52.2	3.68	—
1335	1/8	< 1	—	24.89	16.95	5.03	254.3	0.264	31.0	3.40	—
1338	1/8	> 1	—	24.96	16.98	5.03	256.0	0.271	33.6	3.20	—
1341	1/8	< 1.25	—	25.01	16.99	5.03	257.1	0.276	19.3	3.09	—

WELL CAPACITY (gal/ft): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06;2"=0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

Pump Type: QED Micropurge Tubing Type: PE

SAMPLING DATA

SAMPLED BY (PRINT): Matthew Howe		SAMPLER(S) SIGNATURE(S): [signature]
SAMPLING METHOD(S): LF/LP	SAMPLING INITIATED AT: 1343	SAMPLING ENDED AT: 1346
FIELD DECON: Y (N)	FIELD FILTERED: Y (N)	DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD
NO.	MAT'L CODE	VOLUME	PRESERVATIVE USED	
3	CG	40ml VOAs	HCL	8260B

Groundwater Parameter Tolerances (if possible):
Turbidity: <10 NTUs
Temperature: +/- 5 °F
pH: +/- 0.2 Units
ORP: +/- 20 millivolts
DO: +/- 0.2 mg/l or +/- 10%
Specific Conductance: +/- 3%
Drawdown: no more than 25% of screened interval above pump intake

MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; O=OTHER (SPECIFY)

REMARKS:

Clearwater Environmental Resources, LLC

GROUNDWATER SAMPLING LOG

SITE NAME: RAYLOC	SITE LOCATION: Creek	
WELL NO: MW-7	SAMPLE ID: MW-7 @ 30'	DATE: 3/26/2015

PURGING DATA

WELL DIAMETER (in.): 2	TOTAL WELL DEPTH (ft): 35'	STATIC DEPTH TO WATER (ft): 29.52	WELL CAPACITY (gal/ft):

1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY = 0.658

PURGE METHOD:	PURGE INITIATED AT:	PURGE ENDED AT:	TOTAL VOL PURGED (gal):

TIME	VOLUME PURGED (gal)	CUML. VOLUME PURGED (gal)	PURGE RATE (gpm)	DEPTH TO WATER (ft)	pH	TEMP. (°c)	COND. (µS/m)	DO (mg/L)	TURB. (NTUs)	TDS	ORP (millivolts)
8:~~40~~	0.01			25.40	5.32	16.66	0.230	31.~~40~~	91.2		190.4
8:46	0.02			25.86	5.24	16.59	0.308	7.41	148		202.0
8:48	0.01			25.86	5.23	16.73	0.295	5.60	176		203.9
8:51	0.01			25.86	5.22	16.81	0.292	5.07	210		204.9
8:54	0.01			25.87	5.22	16.86	0.286	4.39	189		205.2
8:57	0.01			25.87	5.22	16.84	0.286	4.05	195		205.2
9:00	0.01			25.86	5.22	16.93	0.289	3.84	177		208.3
9:03	0.1			25.86	5.22	16.97	0.290	3.62	166		211.2
9:06	0.01			25.86	5.22	16.97	0.291	3.58	150		211.3
			SAMPLE @ 9:06								

WELL CAPACITY (gal/ft): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06;2"=0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

Pump Type: QED Micropurge **Tubing Type:** PE

SAMPLING DATA

SAMPLED BY (PRINT): Jack Wirtle		SAMPLER(S) SIGNATURE(S): Jack Wirtle
SAMPLING METHOD(S): LF/LP	SAMPLING INITIATED AT: 9:06	SAMPLING ENDED AT:
FIELD DECON: Y (N)	FIELD FILTERED: Y (N)	DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD
NO.	MAT'L CODE	VOLUME	PRESERVATIVE USED	

Groundwater Parameter Tolerances (if possible):

Turbidity: <10 NTUs
Temperature: +/- 5 °F
pH: +/- 0.2 Units
ORP: +/- 20 millivolts

DO: +/- 0.2 mg/l or +/- 10%
Specific Conductance: +/- 3%
Drawdown: no more than 25% of screened interval above pump intake

MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; O=OTHER (SPECIFY)

REMARKS:

Clearwater Environmental Resources, LLC

GROUNDWATER SAMPLING LOG

SITE NAME: RAYLOC		SITE LOCATION: Creek
WELL NO: MW-15	SAMPLE ID: MW-15@ 30'	DATE: 3/26/2015

PURGING DATA

WELL DIAMETER (in.): 2	TOTAL WELL DEPTH (ft): 35	STATIC DEPTH TO WATER (ft): 7.61	WELL CAPACITY (gal/ft):
1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY = 0.658			
PURGE METHOD: LF/LP	PURGE INITIATED AT:	PURGE ENDED AT:	TOTAL VOL PURGED (gal):

TIME	VOLUME PURGED (gal)	CUML. VOLUME PURGED (gal)	PURGE RATE (gpm)	DEPTH TO WATER (ft)	pH	TEMP. (°c)	COND. (µS/m)	DO (mg/L)	TURB. (NTUs)	TDS	ORP (millivolts)
11:04	0.01			7.65	5.15	14.73	0.047	14.77	OR		151.5
11:07					5.05	14.51	0.047	6.65	30		180.7
11:10					5.01	14.43	0.046	5.80	411		199.6
11:13					4.98	14.39	0.047	5.16	525		223.1
11:16					4.98	14.41	0.047	5.01	510		227.0
				Sampled @ 11:16							

WELL CAPACITY (gal/ft): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06;2"=0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

Pump Type: QED Micropurge **Tubing Type:** PE

SAMPLING DATA

SAMPLED BY (PRINT): Jack Wittle		SAMPLER(S) SIGNATURE(S): Jack Wittle
SAMPLING METHOD(S): LF/LP	SAMPLING INITIATED AT: 11:16	SAMPLING ENDED AT:
FIELD DECON: Y (N)	FIELD FILTERED: Y (N)	DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD
NO.	MAT'L CODE	VOLUME	PRESERVATIVE USED	

Groundwater Parameter Tolerances (if possible):
Turbidity: <10 NTUs
Temperature: +/- 5 °F
pH: +/- 0.2 Units
ORP: +/- 20 millivolts
DO: +/- 0.2 mg/l or +/- 10%
Specific Conductance: +/- 3%
Drawdown: no more than 25% of screened interval above pump intake

MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; O=OTHER (SPECIFY)

REMARKS:

Clearwater Environmental Resources, LLC

GROUNDWATER SAMPLING LOG

SITE NAME: RAYLOC		SITE LOCATION: Creek
WELL NO: MW-17	SAMPLE ID: MW-17@25'	DATE: 3/26/2015

PURGING DATA

WELL DIAMETER (in.): 2	TOTAL WELL DEPTH (ft): 31	STATIC DEPTH TO WATER (ft): 8.09	WELL CAPACITY (gal/ft):

1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY = 0.658

PURGE METHOD: LF/LP	PURGE INITIATED AT:	PURGE ENDED AT:	TOTAL VOL PURGED (gal):

TIME	VOLUME PURGED (gal)	CUML. VOLUME PURGED (gal)	PURGE RATE (gpm)	DEPTH TO WATER (ft)	pH	TEMP. (°c)	COND. (µS/m)	DO (mg/L)	TURB. (NTUs)	TDS	ORP (millivolts)
10:25	0.03			8.11	5.93	14.91	0.192	6.50	521		12.4
10:28				8.11	5.76	14.69	0.190	4.80	521		27.9
10:31				8.11	5.71	14.70	0.190	4.29	OR		32.0
10:34				8.11	5.64	14.59	0.189	3.64	OR		39.0
10:37				8.11	5.57	14.61	0.189	3.38	OR		45.2
10:40				8.11	5.50	14.62	0.188	3.48	OR		52.0
					Sampled @ 10:45						

WELL CAPACITY (gal/ft): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06;2"=0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

Pump Type: QED Micropurge **Tubing Type:** PE

SAMPLING DATA

SAMPLED BY (PRINT): Jack Winter		SAMPLER(S) SIGNATURE(S): Jack Winter
SAMPLING METHOD(S): LF/LP	SAMPLING INITIATED AT: 10:40	SAMPLING ENDED AT:
FIELD DECON: Y (N)	FIELD FILTERED: Y (N)	DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD
NO.	MAT'L CODE	VOLUME	PRESERVATIVE USED	

Groundwater Parameter Tolerances (if possible):

Turbidity: <10 NTUs
Temperature: +/- 5 °F
pH: +/- 0.2 Units
ORP: +/- 20 millivolts

DO: +/- 0.2 mg/l or +/- 10%
Specific Conductance: +/- 3%
Drawdown: no more than 25% of screened interval above pump intake

MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; O=OTHER (SPECIFY)

REMARKS:

Clearwater Environmental Resources, LLC

GROUNDWATER SAMPLING LOG

SITE NAME: RAYLOC		SITE LOCATION: Creek
WELL NO: MW-19	SAMPLE ID: MW-19 @ 30'	DATE: 3/26/2015

PURGING DATA

WELL DIAMETER (in.): 2	TOTAL WELL DEPTH (ft): 40	STATIC DEPTH TO WATER (ft): 8:12	WELL CAPACITY (gal/ft):

1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY = 0.658

PURGE METHOD: LF/LP	PURGE INITIATED AT:	PURGE ENDED AT:	TOTAL VOL PURGED (gal):

TIME	VOLUME PURGED (gal)	CUML. VOLUME PURGED (gal)	PURGE RATE (gpm)	DEPTH TO WATER (ft)	pH	TEMP. (°c)	COND. (µS/m)	DO (mg/L)	TURB. (NTUs)	TDS	ORP (millivolts)
9:43	0.02	a		8.24	6.11	17.90	0.124	7.88	346		167.2
9:46				8.25	6.11	17.91	0.121	4.00	344		161.0
9:49				8.25	6.11	17.99	0.123	3.45	372		152.8
9:52				8.25	6.10	17.86	0.121	3.15	409		148.5
9:55				8:24	6.11	17.65	0.119	2.96	456		144.0
9:58				9:24	6.09	17.62	0.118	2.83	377		142.2
10:01				8:24	6.10	17.55	0.118	2.77	375		140.3
				Sampled @ 10:01							

WELL CAPACITY (gal/ft): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06;2"=0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

Pump Type: QED Micropurge **Tubing Type:** PE

SAMPLING DATA

SAMPLED BY (PRINT): Jack Wintle		SAMPLER(S) SIGNATURE(S): Jack Wintle
SAMPLING METHOD(S): LF/LP	SAMPLING INITIATED AT: 10:01	SAMPLING ENDED AT:
FIELD DECON: Y (N)	FIELD FILTERED: Y (N)	DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD
NO.	MAT'L CODE	VOLUME	PRESERVATIVE USED	

Groundwater Parameter Tolerances (if possible):

Turbidity: <10 NTUs
Temperature: +/- 5 °F
pH: +/- 0.2 Units
ORP: +/- 20 millivolts

DO: +/- 0.2 mg/l or +/- 10%
Specific Conductance: +/- 3%
Drawdown: no more than 25% of screened interval above pump intake

MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; O=OTHER (SPECIFY)

REMARKS:

Clearwater Environmental Resources, LLC

GROUNDWATER SAMPLING LOG

SITE NAME: RAYLOC		SITE LOCATION: Railroad
WELL NO: MW-12	SAMPLE ID: MW-12 @ 60'	DATE: 3/26/2015

PURGING DATA

WELL DIAMETER (in.): 2	TOTAL WELL DEPTH (ft): 96	STATIC DEPTH TO WATER (ft): 23.54	WELL CAPACITY (gal/ft):

1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY = 0.658

PURGE METHOD: LF/LP	PURGE INITIATED AT:	PURGE ENDED AT:	TOTAL VOL PURGED (gal):

TIME	VOLUME PURGED (gal)	CUML. VOLUME PURGED (gal)	PURGE RATE (gpm)	DEPTH TO WATER (ft)	pH	TEMP. (°c)	COND. (~~µS/m~~ mS/cm)	DO (mg/L)	TURB. (NTUs)	TDS	ORP (millivolts)
14:28	0.01			23.62	4.98	16.87	0.077	5.94	882		164.7
14:31	0.01			23.62	4.97	16.82	0.077	6.30	OR		172.9
14:33	0.01			23.62	4.97	16.81	0.077	6.15	OR		174.6
14:36	0.01				4.97	16.78	0.077	5.96	OR		177.3
14:39					4.97	16.75	0.077	5.85	OR		179.2
14:42					4.97	16.74	0.077	5.70	OR		180.9
14:45					4.97	16.73	0.077	5.56	OR		182.4
						Sampled @ 14:45					

WELL CAPACITY (gal/ft): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06;2"=0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

Pump Type: QED Micropurge **Tubing Type:** PE

SAMPLING DATA

SAMPLED BY (PRINT): Jack Wittle		SAMPLER(S) SIGNATURE(S): Jack Wittle
SAMPLING METHOD(S): LF/LP	SAMPLING INITIATED AT: 14:45	SAMPLING ENDED AT:
FIELD DECON: Y (N)	FIELD FILTERED: Y (N)	DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD
NO.	MAT'L CODE	VOLUME	PRESERVATIVE USED	

Groundwater Parameter Tolerances (if possible):
Turbidity: <10 NTUs
Temperature: +/- 5 °F
pH: +/- 0.2 Units
ORP: +/- 20 millivolts
DO: +/- 0.2 mg/l or +/- 10%
Specific Conductance: +/- 3%
Drawdown: no more than 25% of screened interval above pump intake

MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; O=OTHER (SPECIFY)

REMARKS:

Clearwater Environmental Resources, LLC

GROUNDWATER SAMPLING LOG

SITE NAME: RAYLOC		SITE LOCATION: Fulton County H A
WELL NO: PT-3	SAMPLE ID: PT-3 @ 60'	DATE: 3/26/2015

PURGING DATA

WELL DIAMETER (in.): 2	TOTAL WELL DEPTH (ft): 67.6	STATIC DEPTH TO WATER (ft): 19.52	WELL CAPACITY (gal/ft):

1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY = 0.658

PURGE METHOD: LF/LP	PURGE INITIATED AT:	PURGE ENDED AT:	TOTAL VOL PURGED (gal):

TIME	VOLUME PURGED (gal)	CUML. VOLUME PURGED (gal)	PURGE RATE (gpm)	DEPTH TO WATER (ft)	pH	TEMP. (°c)	COND. (µS/m)	DO (mg/L)	TURB. (NTUs)	TDS	ORP (millivolts)
12:23	0.02			19.63	5.44	19.37	0.505	4.40	149		-122.4
12:26					5.38	19.25	0.525	3.95	149		-129.5
12:29					5.34	19.19	0.539	3.13	106		-136.1
12:32					5.33	19.26	0.544	2.80	108		-138.5
12:35					5.32	19.50	0.550	2.47	103		-140.1
12:38					5.31	19.66	0.552	2.32	105		-140.1
12:41					5.32	19.72	0.553	2.31	100		-138.5
					Sampled at		12:41				

WELL CAPACITY (gal/ft): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06;2"=0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

Pump Type: QED Micropurge **Tubing Type:** PE

SAMPLING DATA

SAMPLED BY (PRINT): Jack Wintle		SAMPLER(S) SIGNATURE(S): Jack Wintle
SAMPLING METHOD(S): LF/LP	SAMPLING INITIATED AT: 12:41	SAMPLING ENDED AT:
FIELD DECON: Y / N	FIELD FILTERED: Y / N	DUPLICATE: Y / N

SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD
NO.	MAT'L CODE	VOLUME	PRESERVATIVE USED	

Groundwater Parameter Tolerances (if possible):

Turbidity: <10 NTUs
Temperature: +/- 5 °F
pH: +/- 0.2 Units
ORP: +/- 20 millivolts

DO: +/- 0.2 mg/l or +/- 10%
Specific Conductance: +/- 3%
Drawdown: no more than 25% of screened interval above pump intake

MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; O=OTHER (SPECIFY)

REMARKS:

Clearwater Environmental Resources, LLC

GROUNDWATER SAMPLING LOG

SITE NAME: RAYLOC	SITE LOCATION: Fulton County IHA	
WELL NO: MW-20	SAMPLE ID: MW-20 @ 60'	DATE: 3/26/2015

PURGING DATA

WELL DIAMETER (in.): 2	TOTAL WELL DEPTH (ft): 70	STATIC DEPTH TO WATER (ft): 18.28	WELL CAPACITY (gal/ft):

1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY = 0.658

PURGE METHOD: LF/LP	PURGE INITIATED AT:	PURGE ENDED AT:	TOTAL VOL PURGED (gal):

TIME	VOLUME PURGED (gal)	CUML. VOLUME PURGED (gal)	PURGE RATE (gpm)	DEPTH TO WATER (ft)	pH	TEMP. (°c)	COND. (~~µS/m~~ mS/cm)	DO (mg/L)	TURB. (NTUs)	TDS	ORP (millivolts)
13:06	0.03			19.50	5.79	18.07	0.068	5.04	197		25.7
13:09	0.02			19.53	5.80	17.92	0.066	3.99	337		35.2
13:12	0.01			19.55	5.81	17.83	0.066	3.51	509		43.1
13:15	0.01			19.55	5.81	17.85	0.066	3.07	680		50.6
13:18	0.01			19.55	5.80	17.83	0.066	3.12	694		56.3
						Sampled @ 13:18					

WELL CAPACITY (gal/ft): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06;2"=0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

Pump Type: QED Micropurge **Tubing Type:** PE

SAMPLING DATA

SAMPLED BY (PRINT): Jack Wintle	SAMPLER(S) SIGNATURE(S): Jack Wintle	
SAMPLING METHOD(S): LF/LP	SAMPLING INITIATED AT: 13:18	SAMPLING ENDED AT:
FIELD DECON: Y (N)	FIELD FILTERED: Y (N)	DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD
NO.	MAT'L CODE	VOLUME	PRESERVATIVE USED	

Groundwater Parameter Tolerances (if possible):

Turbidity: <10 NTUs
Temperature: +/- 5 °F
pH: +/- 0.2 Units
ORP: +/- 20 millivolts

DO: +/- 0.2 mg/l or +/- 10%
Specific Conductance: +/- 3%
Drawdown: no more than 25% of screened interval above pump intake

MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; O=OTHER (SPECIFY)

REMARKS:

Clearwater Environmental Resources, LLC

GROUNDWATER SAMPLING LOG

SITE NAME: RAYLOC		SITE LOCATION: Source Area
WELL NO: MW-21	SAMPLE ID: MW-21 @ 60'	DATE: 3/26/2015

PURGING DATA

WELL DIAMETER (in.): 2	TOTAL WELL DEPTH (ft): 69	STATIC DEPTH TO WATER (ft): 44.49	WELL CAPACITY (gal/ft):
1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY = 0.658			
PURGE METHOD: LF/LP	PURGE INITIATED AT:	PURGE ENDED AT:	TOTAL VOL PURGED (gal):

TIME	VOLUME PURGED (gal)	CUML. VOLUME PURGED (gal)	PURGE RATE (gpm)	DEPTH TO WATER (ft)	pH	TEMP. (°c)	COND. (µS/m)	DO (mg/L)	TURB. (NTUs)	TDS	ORP (millivolts)
14:30	0.02				9.16	20.68	0.127	6.23	34.6		31.2
14:33	0.01				9.13	20.71	0.126	5.43	33.7		35.5
14:36	|				9.11	20.71	0.127	5.16	31.3		36.7
14:39	|				9.14	20.50	0.126	5.03	31.9		31.8
14:42	|				9.14	20.30	0.126	5.02	30.8		35.2
							Sampled @ 14:42				

WELL CAPACITY (gal/ft): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06;2"=0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

Pump Type: RED Micropurge **Tubing Type:** PE

SAMPLING DATA

SAMPLED BY (PRINT): Jack Wintle		SAMPLER(S) SIGNATURE(S): Jack Wintle
SAMPLING METHOD(S): LF/LP	SAMPLING INITIATED AT: 14:42	SAMPLING ENDED AT:
FIELD DECON: Y (N)	FIELD FILTERED: Y (N)	DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD
NO.	MAT'L CODE	VOLUME	PRESERVATIVE USED	

Groundwater Parameter Tolerances (if possible):

Turbidity: <10 NTUs
Temperature: +/- 5 °F
pH: +/- 0.2 Units
ORP: +/- 20 millivolts
DO: +/- 0.2 mg/l or +/- 10%
Specific Conductance: +/- 3%
Drawdown: no more than 25% of screened interval above pump intake

MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; O=OTHER (SPECIFY)

REMARKS:

Clearwater Environmental Resources, LLC

GROUNDWATER SAMPLING LOG

SITE NAME: RAYLOC		SITE LOCATION: Source Area
WELL NO: MW-22	SAMPLE ID: MW-22@ 60'	DATE: 3/26/2015

PURGING DATA

WELL DIAMETER (in.): 2	TOTAL WELL DEPTH (ft): 70	STATIC DEPTH TO WATER (ft): 42.89	WELL CAPACITY (gal/ft):

1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY = 0.658

PURGE METHOD: LF/LP	PURGE INITIATED AT:	PURGE ENDED AT:	TOTAL VOL PURGED (gal):

TIME	VOLUME PURGED (gal)	CUML. VOLUME PURGED (gal)	PURGE RATE (gpm)	DEPTH TO WATER (ft)	pH	TEMP. (°c)	COND. (µS/m)	DO (mg/L)	TURB. (NTUs)	TDS	ORP (millivolts)
13:54	0.2			44.26	5.64	19.42	0.166	3.19	258		149.3
13:57	0.1			44.27	5.65	19.82	0.172	3.02	313		148.8
13:60	0.1			44.27	5.65	19.94	0.174	2.81	286		149.2
~~13:63~~	14:03	0.1			5.64	20.18	0.176	2.58	265		149.2
~~13:66~~	14:06	0.1			5.65	20.03	0.175	2.38	224		149.8
	0.1										
					Sampled @ 14:06						

WELL CAPACITY (gal/ft): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06;2"=0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

Pump Type: QED Micropurge **Tubing Type:** PE

SAMPLING DATA

SAMPLED BY (PRINT): Jack Wintle		SAMPLER(S) SIGNATURE(S): Jack Wintle
SAMPLING METHOD(S): LF/LP	SAMPLING INITIATED AT: 14:06	SAMPLING ENDED AT:
FIELD DECON: Y (N)	FIELD FILTERED: Y (N)	DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD
NO.	MAT'L CODE	VOLUME	PRESERVATIVE USED	

Groundwater Parameter Tolerances (if possible):

Turbidity: <10 NTUs
Temperature: +/- 5 °F
pH: +/- 0.2 Units
ORP: +/- 20 millivolts

DO: +/- 0.2 mg/l or +/- 10%
Specific Conductance: +/- 3%
Drawdown: no more than 25% of screened interval above pump intake

MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; O=OTHER (SPECIFY)

REMARKS:

Clearwater Environmental Resources, LLC

GROUNDWATER SAMPLING LOG

SITE NAME: RAYLOC		SITE LOCATION: Source Area
WELL NO: MW-23	SAMPLE ID: MW-23R 60'	DATE: 3/27/2015

PURGING DATA

WELL DIAMETER (in.): 2	TOTAL WELL DEPTH (ft): 75	STATIC DEPTH TO WATER (ft): 48.84	WELL CAPACITY (gal/ft):
1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY = 0.658			
PURGE METHOD: LF/LP	PURGE INITIATED AT:	PURGE ENDED AT:	TOTAL VOL PURGED (gal):

TIME	VOLUME PURGED (gal)	CUML. VOLUME PURGED (gal)	PURGE RATE (gpm)	DEPTH TO WATER (ft)	pH	TEMP. (°c)	COND. (~~µS/m~~ mS/cm)	DO (mg/L)	TURB. (NTUs)	TDS	ORP (millivolts)
13:06	0.03			48.89	5.34	18.13	0.373	14.10	358		154.8
13:09	0.02			48.87	5.34	18.69	0.379	10.98	336		159.6
13:12	0.01			48.87	5.34	18.90	0.381	7.92	287		161.6
13:15	0.01				5.33	19.06	0.382	5.50	277		162.8
13:18	0.01				5.34	19.52	0.386	3.59	225		158.7
13:21					5.34	19.67	0.388	3.23	209		155.6
13:24					5.35	19.70	0.389	3.04	185		151.4
			Sampled	@	13:24						

WELL CAPACITY (gal/ft): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06;2"=0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

Pump Type: QED Micropurge **Tubing Type:** PE

SAMPLING DATA

SAMPLED BY (PRINT): Jack Winter		SAMPLER(S) SIGNATURE(S): Jack Winter
SAMPLING METHOD(S): LF/LP	SAMPLING INITIATED AT: 13:24	SAMPLING ENDED AT:
FIELD DECON: Y (N)	FIELD FILTERED: Y (N)	DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD
NO.	MAT'L CODE	VOLUME	PRESERVATIVE USED	

Groundwater Parameter Tolerances (if possible):

Turbidity: <10 NTUs
Temperature: +/- 5 °F
pH: +/- 0.2 Units
ORP: +/- 20 millivolts

DO: +/- 0.2 mg/l or +/- 10%
Specific Conductance: +/- 3%
Drawdown: no more than 25% of screened interval above pump intake

MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; O=OTHER (SPECIFY)

REMARKS:

Clearwater Environmental Resources, LLC

GROUNDWATER SAMPLING LOG

SITE NAME: RAYLOC		SITE LOCATION: Railroad
WELL NO: MW-24	SAMPLE ID: MW-24 @ 30'	DATE: 3/26/2015

PURGING DATA

WELL DIAMETER (in.): 2	TOTAL WELL DEPTH (ft): 35	STATIC DEPTH TO WATER (ft): 22.40	WELL CAPACITY (gal/ft):

1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY = 0.658

PURGE METHOD: LF/LP	PURGE INITIATED AT:	PURGE ENDED AT:	TOTAL VOL PURGED (gal):

TIME	VOLUME PURGED (gal)	CUML. VOLUME PURGED (gal)	PURGE RATE (gpm)	DEPTH TO WATER (ft)	pH	TEMP. (°c)	COND. (µS/m)	DO (mg/L)	TURB. (NTUs)	TDS	ORP (millivolts)
15:13	0.02			22.92	5.11	17.43	0.262	6.39	79.6		155.8
15:16	0.02				5.10	17.53	0.264	5.52	65.1		163.2
15:19					5.10	17.59	0.266	4.92	61.0		168.1
15:22					5.10	17.62	0.267	4.64	47.8		171.1
15:25					5.10	17.58	0.268	4.54	50.3		173.5
					Sampled @ 15:25						

WELL CAPACITY (gal/ft): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06;2"=0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

Pump Type: QED Microfurge	Tubing Type: PE

SAMPLING DATA

SAMPLED BY (PRINT): Jack Wittle		SAMPLER(S) SIGNATURE(S): Jack Wittle
SAMPLING METHOD(S): LF/LP	SAMPLING INITIATED AT: 15:25	SAMPLING ENDED AT:
FIELD DECON: Y (N)	FIELD FILTERED: Y (N)	DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD
NO.	MAT'L CODE	VOLUME	PRESERVATIVE USED	

Groundwater Parameter Tolerances (if possible):	Turbidity: <10 NTUs Temperature: +/- 5 °F pH: +/- 0.2 Units ORP: +/- 20 millivolts	DO: +/- 0.2 mg/l or +/- 10% Specific Conductance: +/- 3% Drawdown: no more than 25% of screened interval above pump intake

MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; O=OTHER (SPECIFY)

REMARKS:

APPENDIX D
EGEO SYSTEM
GROUNDWATER LABORATORY DATA

GCAL
ANALYTICAL LABORATORIES, LLC

NELAP CERTIFICATE NUMBER: 01955
DOD ELAP CERTIFICATE NUMBER: L14-243

ANALYTICAL RESULTS

PERFORMED BY

GCAL, LLC
7979 Innovation Park Dr.
Baton Rouge, LA 70820

Report Date 12/29/2014

GCAL Report 214122208

Deliver To	Sage Environmental Services 600 Chastain Rd. Kennesaw, GA 30144 678-431-0130
Attn	Jack Wintle

Project Rayloc GW Samp/1221-1-4

PJLA Testing DoD ELAP

ISO 17025

NELAP ACCREDITED TNI LABORATORY

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations Utilized in this Report

ND	Indicates the result was Not Detected at the specified LOQ
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
MDL	Method Detection Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
00:00	Reported as a time equivalent to 12:00 AM

Reporting Flags Utilized in this Report

J	Indicates the result is between the MDL and LOQ
U	Indicates the compound was analyzed for but not detected
B	Indicates the analyte was detected in the associated Method Blank

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the NELAC standard and terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Estimated uncertainty of measurement is available upon request. This report is in compliance with the DOD QSM as specified in the contract if applicable.

Curtis Ekker

Curtis Ekker
Authorized Signature
GCAL Report 214122208

Case Narrative

Client: Sage Environmental **Report:** 214122208

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the Report Sample Summary page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

VOLATILES MASS SPECTROMETRY

In the EPA 8260B analysis, sample 21412220811 (PT-3 AT 60) had to be diluted due to the presence of non-target background. This dilution is reflected in the elevated reporting limits.

In the EPA 8260B analysis, samples 21412220801 (MW-23 AT 60), 21412220802 (MW-22 AT 60), 21412220804 (MW-12 AT 60), 21412220807 (MW-17 AT 25), 21412220803 (MW-21 AT 60), 21412220805 (MW-24 AT 30), 21412220810 (MW-20 AT 60) and 21412220811 (PT-3 AT 60) had to be diluted to bracket the concentration of target compounds within the calibration range of the instrument. The dilution is reflected in elevated detection limits.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21412220801	MW-23 AT 60	Water	12/17/2014 09:08	12/20/2014 10:00
21412220802	MW-22 AT 60	Water	12/17/2014 10:18	12/20/2014 10:00
21412220803	MW-21 AT 60	Water	12/17/2014 11:15	12/20/2014 10:00
21412220804	MW-12 AT 60	Water	12/17/2014 12:40	12/20/2014 10:00
21412220805	MW-24 AT 30	Water	12/17/2014 13:46	12/20/2014 10:00
21412220806	MW-7 AT 30	Water	12/17/2014 14:48	12/20/2014 10:00
21412220807	MW-17 AT 25	Water	12/18/2014 09:41	12/20/2014 10:00
21412220808	MW-19 AT 30	Water	12/18/2014 10:41	12/20/2014 10:00
21412220809	MW-15 AT 30	Water	12/18/2014 11:28	12/20/2014 10:00
21412220810	MW-20 AT 60	Water	12/18/2014 12:49	12/20/2014 10:00
21412220811	PT-3 AT 60	Water	12/18/2014 13:55	12/20/2014 10:00
21412220812	TRIP BLANK	Water	12/17/2014 00:00	12/20/2014 10:00

Summary of Compounds Detected

MW-23 AT 60

Collect Date 12/17/2014 09:08 **GCAL ID** 21412220801
Receive Date 12/20/2014 10:00 **Matrix** Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	1890	50.0	ug/L
156-59-2	cis-1,2-Dichloroethene	1990	1000	ug/L
127-18-4	Tetrachloroethene	1930	1000	ug/L
79-01-6	Trichloroethene	382	25.0	ug/L

MW-22 AT 60

Collect Date 12/17/2014 10:18 **GCAL ID** 21412220802
Receive Date 12/20/2014 10:00 **Matrix** Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	1900	50.0	ug/L
156-59-2	cis-1,2-Dichloroethene	1990	250	ug/L
127-18-4	Tetrachloroethene	2580	250	ug/L
79-01-6	Trichloroethene	329	25.0	ug/L

MW-21 AT 60

Collect Date 12/17/2014 11:15 **GCAL ID** 21412220803
Receive Date 12/20/2014 10:00 **Matrix** Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
127-18-4	Tetrachloroethene	13000	2500	ug/L
79-01-6	Trichloroethene	573	250	ug/L

MW-12 AT 60

Collect Date 12/17/2014 12:40 **GCAL ID** 21412220804
Receive Date 12/20/2014 10:00 **Matrix** Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
127-18-4	Tetrachloroethene	365	50.0	ug/L
79-01-6	Trichloroethene	14.3	5.00	ug/L

Summary of Compounds Detected

MW-24 AT 30

Collect Date 12/17/2014 13:46 **GCAL ID** 21412220805
Receive Date 12/20/2014 10:00 **Matrix** Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	473	20.0	ug/L
156-59-2	cis-1,2-Dichloroethene	376	100	ug/L
127-18-4	Tetrachloroethene	335	10.0	ug/L
79-01-6	Trichloroethene	95.8	10.0	ug/L

MW-7 AT 30

Collect Date 12/17/2014 14:48 **GCAL ID** 21412220806
Receive Date 12/20/2014 10:00 **Matrix** Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	22.0	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	22.0	5.00	ug/L
127-18-4	Tetrachloroethene	65.4	5.00	ug/L
79-01-6	Trichloroethene	19.1	5.00	ug/L

MW-17 AT 25

Collect Date 12/18/2014 09:41 **GCAL ID** 21412220807
Receive Date 12/20/2014 10:00 **Matrix** Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	417	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	394	50.0	ug/L
127-18-4	Tetrachloroethene	922	50.0	ug/L
79-01-6	Trichloroethene	190	5.00	ug/L
75-01-4	Vinyl chloride	7.74	5.00	ug/L

MW-19 AT 30

Collect Date 12/18/2014 10:41 **GCAL ID** 21412220808
Receive Date 12/20/2014 10:00 **Matrix** Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	92.5	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	92.1	5.00	ug/L
127-18-4	Tetrachloroethene	31.4	5.00	ug/L
79-01-6	Trichloroethene	7.71	5.00	ug/L
75-01-4	Vinyl chloride	16.1	5.00	ug/L

Summary of Compounds Detected

MW-20 AT 60

Collect Date	12/18/2014 12:49	**GCAL ID**	21412220810
Receive Date	12/20/2014 10:00	**Matrix**	Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	149	50.0	ug/L
156-59-2	cis-1,2-Dichloroethene	149	25.0	ug/L
127-18-4	Tetrachloroethene	984	250	ug/L
79-01-6	Trichloroethene	105	25.0	ug/L

PT-3 AT 60

Collect Date	12/18/2014 13:55	**GCAL ID**	21412220811
Receive Date	12/20/2014 10:00	**Matrix**	Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	801	100	ug/L
156-59-2	cis-1,2-Dichloroethene	789	50.0	ug/L
127-18-4	Tetrachloroethene	7930	500	ug/L
79-01-6	Trichloroethene	924	50.0	ug/L

Sample Results

MW-23 AT 60	Collect Date	12/17/2014 09:08	GCAL ID	21412220801
	Receive Date	12/20/2014 10:00	Matrix	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	200	12/23/2014 16:01	JCK	547821

CAS#	Parameter	Result	LOQ	Units
156-59-2	**cis-1,2-Dichloroethene**	**1990**	**1000**	**ug/L**
127-18-4	**Tetrachloroethene**	**1930**	**1000**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	10000	10200	ug/L	102	78 - 130
1868-53-7	Dibromofluoromethane	10000	10200	ug/L	102	77 - 127
2037-26-5	Toluene d8	10000	10100	ug/L	101	76 - 134
17060-07-0	1,2-Dichloroethane-d4	10000	10100	ug/L	101	71 - 127

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	5	12/23/2014 17:26	JCK	547821

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	25.0	ug/L
71-55-6	1,1,1-Trichloroethane	ND	25.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	25.0	ug/L
79-00-5	1,1,2-Trichloroethane	ND	25.0	ug/L
75-34-3	1,1-Dichloroethane	ND	25.0	ug/L
75-35-4	1,1-Dichloroethene	ND	25.0	ug/L
563-58-6	1,1-Dichloropropene	ND	25.0	ug/L
96-18-4	1,2,3-Trichloropropane	ND	25.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	25.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	25.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	25.0	ug/L
106-93-4	1,2-Dibromoethane	ND	25.0	ug/L
95-50-1	1,2-Dichlorobenzene	ND	25.0	ug/L
107-06-2	1,2-Dichloroethane	ND	25.0	ug/L
540-59-0	**1,2-Dichloroethene(Total)**	**1890**	**50.0**	**ug/L**
78-87-5	1,2-Dichloropropane	ND	25.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	25.0	ug/L
541-73-1	1,3-Dichlorobenzene	ND	25.0	ug/L
142-28-9	1,3-Dichloropropane	ND	25.0	ug/L
106-46-7	1,4-Dichlorobenzene	ND	25.0	ug/L
594-20-7	2,2-Dichloropropane	ND	25.0	ug/L
78-93-3	2-Butanone	ND	25.0	ug/L
95-49-8	2-Chlorotoluene	ND	25.0	ug/L
591-78-6	2-Hexanone	ND	25.0	ug/L
106-43-4	4-Chlorotoluene	ND	25.0	ug/L
99-87-6	4-Isopropyltoluene	ND	25.0	ug/L
108-10-1	4-Methyl-2-pentanone	ND	25.0	ug/L
67-64-1	Acetone	ND	25.0	ug/L
71-43-2	Benzene	ND	25.0	ug/L
108-86-1	Bromobenzene	ND	25.0	ug/L
74-97-5	Bromochloromethane	ND	25.0	ug/L
75-27-4	Bromodichloromethane	ND	25.0	ug/L
75-25-2	Bromoform	ND	25.0	ug/L
74-83-9	Bromomethane	ND	25.0	ug/L

Sample Results

MW-23 AT 60	**Collect Date**	12/17/2014 09:08	**GCAL ID**	21412220801
	Receive Date	12/20/2014 10:00	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	5	12/23/2014 17:26	JCK	547821

CAS#	Parameter	Result	LOQ	Units
75-15-0	Carbon disulfide	ND	25.0	ug/L
56-23-5	Carbon tetrachloride	ND	25.0	ug/L
108-90-7	Chlorobenzene	ND	25.0	ug/L
75-00-3	Chloroethane	ND	25.0	ug/L
67-66-3	Chloroform	ND	25.0	ug/L
74-87-3	Chloromethane	ND	25.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	25.0	ug/L
124-48-1	Dibromochloromethane	ND	25.0	ug/L
74-95-3	Dibromomethane	ND	25.0	ug/L
75-71-8	Dichlorodifluoromethane	ND	25.0	ug/L
100-41-4	Ethylbenzene	ND	25.0	ug/L
87-68-3	Hexachlorobutadiene	ND	25.0	ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	25.0	ug/L
136777-61-2	m,p-Xylene	ND	50.0	ug/L
74-88-4	Methyl iodide	ND	25.0	ug/L
75-09-2	Methylene chloride	ND	25.0	ug/L
91-20-3	Naphthalene	ND	25.0	ug/L
104-51-8	n-Butylbenzene	ND	25.0	ug/L
103-65-1	n-Propylbenzene	ND	25.0	ug/L
95-47-6	o-Xylene	ND	25.0	ug/L
135-98-8	sec-Butylbenzene	ND	25.0	ug/L
100-42-5	Styrene	ND	25.0	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	25.0	ug/L
98-06-6	tert-Butylbenzene	ND	25.0	ug/L
108-88-3	Toluene	ND	25.0	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	25.0	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	25.0	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	25.0	ug/L
79-01-6	**Trichloroethene**	**382**	**25.0**	**ug/L**
75-69-4	Trichlorofluoromethane	ND	25.0	ug/L
76-13-1	Trichlorotrifluoroethane	ND	25.0	ug/L
75-01-4	Vinyl chloride	ND	25.0	ug/L
1330-20-7	Xylene (total)	ND	75.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	250	261	ug/L	104	78 - 130
1868-53-7	Dibromofluoromethane	250	261	ug/L	104	77 - 127
2037-26-5	Toluene d8	250	251	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	250	245	ug/L	98	71 - 127

Sample Results

MW-22 AT 60	**Collect Date**	12/17/2014 10:18	**GCAL ID**	21412220802
	Receive Date	12/20/2014 10:00	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	5	12/23/2014 17:46	JCK	547821

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	25.0	ug/L
71-55-6	1,1,1-Trichloroethane	ND	25.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	25.0	ug/L
79-00-5	1,1,2-Trichloroethane	ND	25.0	ug/L
75-34-3	1,1-Dichloroethane	ND	25.0	ug/L
75-35-4	1,1-Dichloroethene	ND	25.0	ug/L
563-58-6	1,1-Dichloropropene	ND	25.0	ug/L
96-18-4	1,2,3-Trichloropropane	ND	25.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	25.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	25.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	25.0	ug/L
106-93-4	1,2-Dibromoethane	ND	25.0	ug/L
95-50-1	1,2-Dichlorobenzene	ND	25.0	ug/L
107-06-2	1,2-Dichloroethane	ND	25.0	ug/L
540-59-0	**1,2-Dichloroethene(Total)**	**1900**	**50.0**	**ug/L**
78-87-5	1,2-Dichloropropane	ND	25.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	25.0	ug/L
541-73-1	1,3-Dichlorobenzene	ND	25.0	ug/L
142-28-9	1,3-Dichloropropane	ND	25.0	ug/L
106-46-7	1,4-Dichlorobenzene	ND	25.0	ug/L
594-20-7	2,2-Dichloropropane	ND	25.0	ug/L
78-93-3	2-Butanone	ND	25.0	ug/L
95-49-8	2-Chlorotoluene	ND	25.0	ug/L
591-78-6	2-Hexanone	ND	25.0	ug/L
106-43-4	4-Chlorotoluene	ND	25.0	ug/L
99-87-6	4-Isopropyltoluene	ND	25.0	ug/L
108-10-1	4-Methyl-2-pentanone	ND	25.0	ug/L
67-64-1	Acetone	ND	25.0	ug/L
71-43-2	Benzene	ND	25.0	ug/L
108-86-1	Bromobenzene	ND	25.0	ug/L
74-97-5	Bromochloromethane	ND	25.0	ug/L
75-27-4	Bromodichloromethane	ND	25.0	ug/L
75-25-2	Bromoform	ND	25.0	ug/L
74-83-9	Bromomethane	ND	25.0	ug/L
75-15-0	Carbon disulfide	ND	25.0	ug/L
56-23-5	Carbon tetrachloride	ND	25.0	ug/L
108-90-7	Chlorobenzene	ND	25.0	ug/L
75-00-3	Chloroethane	ND	25.0	ug/L
67-66-3	Chloroform	ND	25.0	ug/L
74-87-3	Chloromethane	ND	25.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	25.0	ug/L
124-48-1	Dibromochloromethane	ND	25.0	ug/L
74-95-3	Dibromomethane	ND	25.0	ug/L
75-71-8	Dichlorodifluoromethane	ND	25.0	ug/L
100-41-4	Ethylbenzene	ND	25.0	ug/L
87-68-3	Hexachlorobutadiene	ND	25.0	ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	25.0	ug/L
136777-61-2	m,p-Xylene	ND	25.0	ug/L
74-88-4	Methyl iodide	ND	50.0	ug/L
75-09-2	Methylene chloride	ND	25.0	ug/L
91-20-3	Naphthalene	ND	25.0	ug/L
104-51-8	n-Butylbenzene	ND	25.0	ug/L
103-65-1	n-Propylbenzene	ND	25.0	ug/L

Sample Results

MW-22 AT 60	**Collect Date**	12/17/2014 10:18	**GCAL ID**	21412220802
	Receive Date	12/20/2014 10:00	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	5	12/23/2014 17:46	JCK	547821

CAS#	Parameter	Result	LOQ	Units
95-47-6	o-Xylene	ND	25.0	ug/L
135-98-8	sec-Butylbenzene	ND	25.0	ug/L
100-42-5	Styrene	ND	25.0	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	25.0	ug/L
98-06-6	tert-Butylbenzene	ND	25.0	ug/L
108-88-3	Toluene	ND	25.0	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	25.0	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	25.0	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	25.0	ug/L
79-01-6	**Trichloroethene**	**329**	**25.0**	**ug/L**
75-69-4	Trichlorofluoromethane	ND	25.0	ug/L
76-13-1	Trichlorotrifluoroethane	ND	25.0	ug/L
75-01-4	Vinyl chloride	ND	25.0	ug/L
1330-20-7	Xylene (total)	ND	75.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	250	255	ug/L	102	78 - 130
1868-53-7	Dibromofluoromethane	250	257	ug/L	103	77 - 127
2037-26-5	Toluene d8	250	249	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	250	255	ug/L	102	71 - 127

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	50	12/23/2014 17:06	JCK	547821

CAS#	Parameter	Result	LOQ	Units
156-59-2	**cis-1,2-Dichloroethene**	**1990**	**250**	**ug/L**
127-18-4	**Tetrachloroethene**	**2580**	**250**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2500	2510	ug/L	100	78 - 130
1868-53-7	Dibromofluoromethane	2500	2520	ug/L	101	77 - 127
2037-26-5	Toluene d8	2500	2520	ug/L	101	76 - 134
17060-07-0	1,2-Dichloroethane-d4	2500	2490	ug/L	100	71 - 127

Sample Results

MW-21 AT 60	**Collect Date**	12/17/2014 11:15	**GCAL ID**	21412220803
	Receive Date	12/20/2014 10:00	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	50	12/23/2014 23:49	CLH	547881

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	250	ug/L
71-55-6	1,1,1-Trichloroethane	ND	250	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	250	ug/L
79-00-5	1,1,2-Trichloroethane	ND	250	ug/L
75-34-3	1,1-Dichloroethane	ND	250	ug/L
75-35-4	1,1-Dichloroethene	ND	250	ug/L
563-58-6	1,1-Dichloropropene	ND	250	ug/L
96-18-4	1,2,3-Trichloropropane	ND	250	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	250	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	250	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	250	ug/L
106-93-4	1,2-Dibromoethane	ND	250	ug/L
95-50-1	1,2-Dichlorobenzene	ND	250	ug/L
107-06-2	1,2-Dichloroethane	ND	250	ug/L
540-59-0	1,2-Dichloroethene(Total)	ND	250	ug/L
78-87-5	1,2-Dichloropropane	ND	500	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	250	ug/L
541-73-1	1,3-Dichlorobenzene	ND	250	ug/L
142-28-9	1,3-Dichloropropane	ND	250	ug/L
106-46-7	1,4-Dichlorobenzene	ND	250	ug/L
594-20-7	2,2-Dichloropropane	ND	250	ug/L
78-93-3	2-Butanone	ND	250	ug/L
95-49-8	2-Chlorotoluene	ND	250	ug/L
591-78-6	2-Hexanone	ND	250	ug/L
106-43-4	4-Chlorotoluene	ND	250	ug/L
99-87-6	4-Isopropyltoluene	ND	250	ug/L
108-10-1	4-Methyl-2-pentanone	ND	250	ug/L
67-64-1	Acetone	ND	250	ug/L
71-43-2	Benzene	ND	250	ug/L
108-86-1	Bromobenzene	ND	250	ug/L
74-97-5	Bromochloromethane	ND	250	ug/L
75-27-4	Bromodichloromethane	ND	250	ug/L
75-25-2	Bromoform	ND	250	ug/L
74-83-9	Bromomethane	ND	250	ug/L
75-15-0	Carbon disulfide	ND	250	ug/L
56-23-5	Carbon tetrachloride	ND	250	ug/L
108-90-7	Chlorobenzene	ND	250	ug/L
75-00-3	Chloroethane	ND	250	ug/L
67-66-3	Chloroform	ND	250	ug/L
74-87-3	Chloromethane	ND	250	ug/L
156-59-2	cis-1,2-Dichloroethene	ND	250	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	250	ug/L
124-48-1	Dibromochloromethane	ND	250	ug/L
74-95-3	Dibromomethane	ND	250	ug/L
75-71-8	Dichlorodifluoromethane	ND	250	ug/L
100-41-4	Ethylbenzene	ND	250	ug/L
87-68-3	Hexachlorobutadiene	ND	250	ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	250	ug/L
136777-61-2	m,p-Xylene	ND	500	ug/L
74-88-4	Methyl iodide	ND	250	ug/L
75-09-2	Methylene chloride	ND	250	ug/L
91-20-3	Naphthalene	ND	250	ug/L
104-51-8	n-Butylbenzene	ND	250	ug/L

Sample Results

MW-21 AT 60	**Collect Date**	12/17/2014 11:15	**GCAL ID**	21412220803
	Receive Date	12/20/2014 10:00	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	50	12/23/2014 23:49	CLH	547881

CAS#	Parameter	Result	LOQ	Units
103-65-1	n-Propylbenzene	ND	250	ug/L
95-47-6	o-Xylene	ND	250	ug/L
135-98-8	sec-Butylbenzene	ND	250	ug/L
100-42-5	Styrene	ND	250	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	250	ug/L
98-06-6	tert-Butylbenzene	ND	250	ug/L
108-88-3	Toluene	ND	250	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	250	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	250	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	250	ug/L
79-01-6	**Trichloroethene**	**573**	**250**	**ug/L**
75-69-4	Trichlorofluoromethane	ND	250	ug/L
76-13-1	Trichlorotrifluoroethane	ND	250	ug/L
75-01-4	Vinyl chloride	ND	250	ug/L
1330-20-7	Xylene (total)	ND	750	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2500	2650	ug/L	106	78 - 130
1868-53-7	Dibromofluoromethane	2500	2570	ug/L	103	77 - 127
2037-26-5	Toluene d8	2500	2550	ug/L	102	76 - 134
17060-07-0	1,2-Dichloroethane-d4	2500	2530	ug/L	101	71 - 127

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	500	12/23/2014 23:29	CLH	547881

CAS#	Parameter	Result	LOQ	Units
127-18-4	**Tetrachloroethene**	**13000**	**2500**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	25000	25100	ug/L	100	78 - 130
1868-53-7	Dibromofluoromethane	25000	24900	ug/L	100	77 - 127
2037-26-5	Toluene d8	25000	25300	ug/L	101	76 - 134
17060-07-0	1,2-Dichloroethane-d4	25000	24800	ug/L	99	71 - 127

Sample Results

MW-12 AT 60	Collect Date	12/17/2014 12:40	GCAL ID	21412220804
	Receive Date	12/20/2014 10:00	Matrix	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	12/23/2014 19:00	CLH	547821

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	ND	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	ND	5.00	ug/L
75-34-3	1,1-Dichloroethane	ND	5.00	ug/L
75-35-4	1,1-Dichloroethene	ND	5.00	ug/L
563-58-6	1,1-Dichloropropene	ND	5.00	ug/L
96-18-4	1,2,3-Trichloropropane	ND	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	5.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	5.00	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.00	ug/L
106-93-4	1,2-Dibromoethane	ND	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	ND	5.00	ug/L
107-06-2	1,2-Dichloroethane	ND	5.00	ug/L
540-59-0	1,2-Dichloroethene(Total)	ND	10.0	ug/L
78-87-5	1,2-Dichloropropane	ND	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	ND	5.00	ug/L
142-28-9	1,3-Dichloropropane	ND	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	ND	5.00	ug/L
594-20-7	2,2-Dichloropropane	ND	5.00	ug/L
78-93-3	2-Butanone	ND	5.00	ug/L
95-49-8	2-Chlorotoluene	ND	5.00	ug/L
591-78-6	2-Hexanone	ND	5.00	ug/L
106-43-4	4-Chlorotoluene	ND	5.00	ug/L
99-87-6	4-Isopropyltoluene	ND	5.00	ug/L
108-10-1	4-Methyl-2-pentanone	ND	5.00	ug/L
67-64-1	Acetone	ND	5.00	ug/L
71-43-2	Benzene	ND	5.00	ug/L
108-86-1	Bromobenzene	ND	5.00	ug/L
74-97-5	Bromochloromethane	ND	5.00	ug/L
75-27-4	Bromodichloromethane	ND	5.00	ug/L
75-25-2	Bromoform	ND	5.00	ug/L
74-83-9	Bromomethane	ND	5.00	ug/L
75-15-0	Carbon disulfide	ND	5.00	ug/L
56-23-5	Carbon tetrachloride	ND	5.00	ug/L
108-90-7	Chlorobenzene	ND	5.00	ug/L
75-00-3	Chloroethane	ND	5.00	ug/L
67-66-3	Chloroform	ND	5.00	ug/L
74-87-3	Chloromethane	ND	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	ND	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	5.00	ug/L
124-48-1	Dibromochloromethane	ND	5.00	ug/L
74-95-3	Dibromomethane	ND	5.00	ug/L
75-71-8	Dichlorodifluoromethane	ND	5.00	ug/L
100-41-4	Ethylbenzene	ND	5.00	ug/L
87-68-3	Hexachlorobutadiene	ND	5.00	ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	5.00	ug/L
136777-61-2	m,p-Xylene	ND	10.0	ug/L
74-88-4	Methyl iodide	ND	5.00	ug/L
75-09-2	Methylene chloride	ND	5.00	ug/L
91-20-3	Naphthalene	ND	5.00	ug/L
104-51-8	n-Butylbenzene	ND	5.00	ug/L

Sample Results

MW-12 AT 60	Collect Date	12/17/2014 12:40	GCAL ID	21412220804
	Receive Date	12/20/2014 10:00	Matrix	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	12/23/2014 19:00	CLH	547821

CAS#	Parameter	Result	LOQ	Units
103-65-1	n-Propylbenzene	ND	5.00	ug/L
95-47-6	o-Xylene	ND	5.00	ug/L
135-98-8	sec-Butylbenzene	ND	5.00	ug/L
100-42-5	Styrene	ND	5.00	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	5.00	ug/L
98-06-6	tert-Butylbenzene	ND	5.00	ug/L
108-88-3	Toluene	ND	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	5.00	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.00	ug/L
79-01-6	**Trichloroethene**	**14.3**	**5.00**	**ug/L**
75-69-4	Trichlorofluoromethane	ND	5.00	ug/L
76-13-1	Trichlorotrifluoroethane	ND	5.00	ug/L
75-01-4	Vinyl chloride	ND	5.00	ug/L
1330-20-7	Xylene (total)	ND	15.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	50.6	ug/L	101	78 - 130
1868-53-7	Dibromofluoromethane	50	51.5	ug/L	103	77 - 127
2037-26-5	Toluene d8	50	49.5	ug/L	99	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	49.4	ug/L	99	71 - 127

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	10	12/23/2014 18:40	CLH	547821

CAS#	Parameter	Result	LOQ	Units
127-18-4	**Tetrachloroethene**	**365**	**50.0**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	500	523	ug/L	105	78 - 130
1868-53-7	Dibromofluoromethane	500	517	ug/L	103	77 - 127
2037-26-5	Toluene d8	500	514	ug/L	103	76 - 134
17060-07-0	1,2-Dichloroethane-d4	500	501	ug/L	100	71 - 127

Sample Results

MW-24 AT 30	**Collect Date**	12/17/2014 13:46	**GCAL ID**	21412220805
	Receive Date	12/20/2014 10:00	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	2	12/24/2014 00:49	CLH	547881

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	ND	10.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	10.0	ug/L
79-00-5	1,1,2-Trichloroethane	ND	10.0	ug/L
75-34-3	1,1-Dichloroethane	ND	10.0	ug/L
75-35-4	1,1-Dichloroethene	ND	10.0	ug/L
563-58-6	1,1-Dichloropropene	ND	10.0	ug/L
96-18-4	1,2,3-Trichloropropane	ND	10.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	10.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	10.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	10.0	ug/L
106-93-4	1,2-Dibromoethane	ND	10.0	ug/L
95-50-1	1,2-Dichlorobenzene	ND	10.0	ug/L
107-06-2	1,2-Dichloroethane	ND	10.0	ug/L
540-59-0	**1,2-Dichloroethene(Total)**	**473**	**20.0**	**ug/L**
78-87-5	1,2-Dichloropropane	ND	10.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	10.0	ug/L
541-73-1	1,3-Dichlorobenzene	ND	10.0	ug/L
142-28-9	1,3-Dichloropropane	ND	10.0	ug/L
106-46-7	1,4-Dichlorobenzene	ND	10.0	ug/L
594-20-7	2,2-Dichloropropane	ND	10.0	ug/L
78-93-3	2-Butanone	ND	10.0	ug/L
95-49-8	2-Chlorotoluene	ND	10.0	ug/L
591-78-6	2-Hexanone	ND	10.0	ug/L
106-43-4	4-Chlorotoluene	ND	10.0	ug/L
99-87-6	4-Isopropyltoluene	ND	10.0	ug/L
108-10-1	4-Methyl-2-pentanone	ND	10.0	ug/L
67-64-1	Acetone	ND	10.0	ug/L
71-43-2	Benzene	ND	10.0	ug/L
108-86-1	Bromobenzene	ND	10.0	ug/L
74-97-5	Bromochloromethane	ND	10.0	ug/L
75-27-4	Bromodichloromethane	ND	10.0	ug/L
75-25-2	Bromoform	ND	10.0	ug/L
74-83-9	Bromomethane	ND	10.0	ug/L
75-15-0	Carbon disulfide	ND	10.0	ug/L
56-23-5	Carbon tetrachloride	ND	10.0	ug/L
108-90-7	Chlorobenzene	ND	10.0	ug/L
75-00-3	Chloroethane	ND	10.0	ug/L
67-66-3	Chloroform	ND	10.0	ug/L
74-87-3	Chloromethane	ND	10.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	10.0	ug/L
124-48-1	Dibromochloromethane	ND	10.0	ug/L
74-95-3	Dibromomethane	ND	10.0	ug/L
75-71-8	Dichlorodifluoromethane	ND	10.0	ug/L
100-41-4	Ethylbenzene	ND	10.0	ug/L
87-68-3	Hexachlorobutadiene	ND	10.0	ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	10.0	ug/L
136777-61-2	m,p-Xylene	ND	10.0	ug/L
74-88-4	Methyl iodide	ND	20.0	ug/L
75-09-2	Methylene chloride	ND	10.0	ug/L
91-20-3	Naphthalene	ND	10.0	ug/L
104-51-8	n-Butylbenzene	ND	10.0	ug/L
103-65-1	n-Propylbenzene	ND	10.0	ug/L

Sample Results

MW-24 AT 30	Collect Date	12/17/2014 13:46	GCAL ID	21412220805
	Receive Date	12/20/2014 10:00	Matrix	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	2	12/24/2014 00:49	CLH	547881

CAS#	Parameter	Result	LOQ	Units
95-47-6	o-Xylene	ND	10.0	ug/L
135-98-8	sec-Butylbenzene	ND	10.0	ug/L
100-42-5	Styrene	ND	10.0	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	10.0	ug/L
98-06-6	tert-Butylbenzene	ND	10.0	ug/L
127-18-4	**Tetrachloroethene**	**335**	**10.0**	**ug/L**
108-88-3	Toluene	ND	10.0	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	10.0	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	10.0	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	10.0	ug/L
79-01-6	**Trichloroethene**	**95.8**	**10.0**	**ug/L**
75-69-4	Trichlorofluoromethane	ND	10.0	ug/L
76-13-1	Trichlorotrifluoroethane	ND	10.0	ug/L
75-01-4	Vinyl chloride	ND	10.0	ug/L
1330-20-7	Xylene (total)	ND	30.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	100	101	ug/L	101	78 - 130
1868-53-7	Dibromofluoromethane	100	101	ug/L	101	77 - 127
2037-26-5	Toluene d8	100	98	ug/L	98	76 - 134
17060-07-0	1,2-Dichloroethane-d4	100	101	ug/L	101	71 - 127

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	20	12/24/2014 00:29	CLH	547881

CAS#	Parameter	Result	LOQ	Units
156-59-2	**cis-1,2-Dichloroethene**	**376**	**100**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	1000	1010	ug/L	101	78 - 130
1868-53-7	Dibromofluoromethane	1000	1030	ug/L	103	77 - 127
2037-26-5	Toluene d8	1000	1000	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	1000	997	ug/L	100	71 - 127

Sample Results

MW-7 AT 30	**Collect Date**	12/17/2014 14:48	**GCAL ID**	21412220806
	Receive Date	12/20/2014 10:00	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	12/23/2014 15:01	JCK	547821

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	ND	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	ND	5.00	ug/L
75-34-3	1,1-Dichloroethane	ND	5.00	ug/L
75-35-4	1,1-Dichloroethene	ND	5.00	ug/L
563-58-6	1,1-Dichloropropene	ND	5.00	ug/L
96-18-4	1,2,3-Trichloropropane	ND	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	5.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	5.00	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.00	ug/L
106-93-4	1,2-Dibromoethane	ND	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	ND	5.00	ug/L
107-06-2	1,2-Dichloroethane	ND	5.00	ug/L
540-59-0	**1,2-Dichloroethene(Total)**	**22.0**	**10.0**	**ug/L**
78-87-5	1,2-Dichloropropane	ND	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	ND	5.00	ug/L
142-28-9	1,3-Dichloropropane	ND	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	ND	5.00	ug/L
594-20-7	2,2-Dichloropropane	ND	5.00	ug/L
78-93-3	2-Butanone	ND	5.00	ug/L
95-49-8	2-Chlorotoluene	ND	5.00	ug/L
591-78-6	2-Hexanone	ND	5.00	ug/L
106-43-4	4-Chlorotoluene	ND	5.00	ug/L
99-87-6	4-Isopropyltoluene	ND	5.00	ug/L
108-10-1	4-Methyl-2-pentanone	ND	5.00	ug/L
67-64-1	Acetone	ND	5.00	ug/L
71-43-2	Benzene	ND	5.00	ug/L
108-86-1	Bromobenzene	ND	5.00	ug/L
74-97-5	Bromochloromethane	ND	5.00	ug/L
75-27-4	Bromodichloromethane	ND	5.00	ug/L
75-25-2	Bromoform	ND	5.00	ug/L
74-83-9	Bromomethane	ND	5.00	ug/L
75-15-0	Carbon disulfide	ND	5.00	ug/L
56-23-5	Carbon tetrachloride	ND	5.00	ug/L
108-90-7	Chlorobenzene	ND	5.00	ug/L
75-00-3	Chloroethane	ND	5.00	ug/L
67-66-3	Chloroform	ND	5.00	ug/L
74-87-3	Chloromethane	ND	5.00	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**22.0**	**5.00**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	ND	5.00	ug/L
124-48-1	Dibromochloromethane	ND	5.00	ug/L
74-95-3	Dibromomethane	ND	5.00	ug/L
75-71-8	Dichlorodifluoromethane	ND	5.00	ug/L
100-41-4	Ethylbenzene	ND	5.00	ug/L
87-68-3	Hexachlorobutadiene	ND	5.00	ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	5.00	ug/L
136777-61-2	m,p-Xylene	ND	10.0	ug/L
74-88-4	Methyl iodide	ND	5.00	ug/L
75-09-2	Methylene chloride	ND	5.00	ug/L
91-20-3	Naphthalene	ND	5.00	ug/L
104-51-8	n-Butylbenzene	ND	5.00	ug/L

Sample Results

MW-7 AT 30

Collect Date	12/17/2014 14:48	**GCAL ID**	21412220806
Receive Date	12/20/2014 10:00	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	12/23/2014 15:01	JCK	547821

CAS#	Parameter	Result	LOQ	Units
103-65-1	n-Propylbenzene	ND	5.00	ug/L
95-47-6	o-Xylene	ND	5.00	ug/L
135-98-8	sec-Butylbenzene	ND	5.00	ug/L
100-42-5	Styrene	ND	5.00	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	5.00	ug/L
98-06-6	tert-Butylbenzene	ND	5.00	ug/L
127-18-4	**Tetrachloroethene**	**65.4**	**5.00**	**ug/L**
108-88-3	Toluene	ND	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	5.00	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.00	ug/L
79-01-6	**Trichloroethene**	**19.1**	**5.00**	**ug/L**
75-69-4	Trichlorofluoromethane	ND	5.00	ug/L
76-13-1	Trichlorotrifluoroethane	ND	5.00	ug/L
75-01-4	Vinyl chloride	ND	5.00	ug/L
1330-20-7	Xylene (total)	ND	15.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	50.9	ug/L	102	78 - 130
1868-53-7	Dibromofluoromethane	50	51.1	ug/L	102	77 - 127
2037-26-5	Toluene d8	50	49.6	ug/L	99	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.2	ug/L	100	71 - 127

MW-17 AT 25

Collect Date	12/18/2014 09:41	**GCAL ID**	21412220807
Receive Date	12/20/2014 10:00	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	10	12/23/2014 19:43	CLH	547821

CAS#	Parameter	Result	LOQ	Units
156-59-2	**cis-1,2-Dichloroethene**	**394**	**50.0**	**ug/L**
127-18-4	**Tetrachloroethene**	**922**	**50.0**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	500	496	ug/L	99	78 - 130
1868-53-7	Dibromofluoromethane	500	524	ug/L	105	77 - 127
2037-26-5	Toluene d8	500	499	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	500	498	ug/L	100	71 - 127

Sample Results

MW-17 AT 25	Collect Date	12/18/2014 09:41	GCAL ID	21412220807
	Receive Date	12/20/2014 10:00	Matrix	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	12/23/2014 20:03	CLH	547821

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	ND	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	ND	5.00	ug/L
75-34-3	1,1-Dichloroethane	ND	5.00	ug/L
75-35-4	1,1-Dichloroethene	ND	5.00	ug/L
563-58-6	1,1-Dichloropropene	ND	5.00	ug/L
96-18-4	1,2,3-Trichloropropane	ND	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	5.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	5.00	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.00	ug/L
106-93-4	1,2-Dibromoethane	ND	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	ND	5.00	ug/L
107-06-2	1,2-Dichloroethane	ND	5.00	ug/L
540-59-0	**1,2-Dichloroethene(Total)**	**417**	**10.0**	**ug/L**
78-87-5	1,2-Dichloropropane	ND	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	ND	5.00	ug/L
142-28-9	1,3-Dichloropropane	ND	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	ND	5.00	ug/L
594-20-7	2,2-Dichloropropane	ND	5.00	ug/L
78-93-3	2-Butanone	ND	5.00	ug/L
95-49-8	2-Chlorotoluene	ND	5.00	ug/L
591-78-6	2-Hexanone	ND	5.00	ug/L
106-43-4	4-Chlorotoluene	ND	5.00	ug/L
99-87-6	4-Isopropyltoluene	ND	5.00	ug/L
108-10-1	4-Methyl-2-pentanone	ND	5.00	ug/L
67-64-1	Acetone	ND	5.00	ug/L
71-43-2	Benzene	ND	5.00	ug/L
108-86-1	Bromobenzene	ND	5.00	ug/L
74-97-5	Bromochloromethane	ND	5.00	ug/L
75-27-4	Bromodichloromethane	ND	5.00	ug/L
75-25-2	Bromoform	ND	5.00	ug/L
74-83-9	Bromomethane	ND	5.00	ug/L
75-15-0	Carbon disulfide	ND	5.00	ug/L
56-23-5	Carbon tetrachloride	ND	5.00	ug/L
108-90-7	Chlorobenzene	ND	5.00	ug/L
75-00-3	Chloroethane	ND	5.00	ug/L
67-66-3	Chloroform	ND	5.00	ug/L
74-87-3	Chloromethane	ND	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	5.00	ug/L
124-48-1	Dibromochloromethane	ND	5.00	ug/L
74-95-3	Dibromomethane	ND	5.00	ug/L
75-71-8	Dichlorodifluoromethane	ND	5.00	ug/L
100-41-4	Ethylbenzene	ND	5.00	ug/L
87-68-3	Hexachlorobutadiene	ND	5.00	ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	5.00	ug/L
136777-61-2	m,p-Xylene	ND	10.0	ug/L
74-88-4	Methyl iodide	ND	5.00	ug/L
75-09-2	Methylene chloride	ND	5.00	ug/L
91-20-3	Naphthalene	ND	5.00	ug/L
104-51-8	n-Butylbenzene	ND	5.00	ug/L
103-65-1	n-Propylbenzene	ND	5.00	ug/L

Sample Results

MW-17 AT 25

Collect Date	12/18/2014 09:41	**GCAL ID**	21412220807
Receive Date	12/20/2014 10:00	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	12/23/2014 20:03	CLH	547821

CAS#	Parameter	Result	LOQ	Units
95-47-6	o-Xylene	ND	5.00	ug/L
135-98-8	sec-Butylbenzene	ND	5.00	ug/L
100-42-5	Styrene	ND	5.00	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	5.00	ug/L
98-06-6	tert-Butylbenzene	ND	5.00	ug/L
108-88-3	Toluene	ND	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	5.00	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.00	ug/L
79-01-6	**Trichloroethene**	**190**	**5.00**	**ug/L**
75-69-4	Trichlorofluoromethane	ND	5.00	ug/L
76-13-1	Trichlorotrifluoroethane	ND	5.00	ug/L
75-01-4	**Vinyl chloride**	**7.74**	**5.00**	**ug/L**
1330-20-7	Xylene (total)	ND	15.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	50.9	ug/L	102	78 - 130
1868-53-7	Dibromofluoromethane	50	51.2	ug/L	102	77 - 127
2037-26-5	Toluene d8	50	50.5	ug/L	101	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	49.7	ug/L	99	71 - 127

MW-19 AT 30

Collect Date	12/18/2014 10:41	**GCAL ID**	21412220808
Receive Date	12/20/2014 10:00	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	12/23/2014 15:21	JCK	547821

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	ND	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	ND	5.00	ug/L
75-34-3	1,1-Dichloroethane	ND	5.00	ug/L
75-35-4	1,1-Dichloroethene	ND	5.00	ug/L
563-58-6	1,1-Dichloropropene	ND	5.00	ug/L
96-18-4	1,2,3-Trichloropropane	ND	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	5.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	5.00	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.00	ug/L
106-93-4	1,2-Dibromoethane	ND	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	ND	5.00	ug/L
107-06-2	1,2-Dichloroethane	ND	5.00	ug/L
540-59-0	**1,2-Dichloroethene(Total)**	**92.5**	**10.0**	**ug/L**
78-87-5	1,2-Dichloropropane	ND	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	ND	5.00	ug/L

Sample Results

MW-19 AT 30	**Collect Date**	12/18/2014 10:41	**GCAL ID**	21412220808
	Receive Date	12/20/2014 10:00	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	12/23/2014 15:21	JCK	547821

CAS#	Parameter	Result	LOQ	Units
142-28-9	1,3-Dichloropropane	ND	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	ND	5.00	ug/L
594-20-7	2,2-Dichloropropane	ND	5.00	ug/L
78-93-3	2-Butanone	ND	5.00	ug/L
95-49-8	2-Chlorotoluene	ND	5.00	ug/L
591-78-6	2-Hexanone	ND	5.00	ug/L
106-43-4	4-Chlorotoluene	ND	5.00	ug/L
99-87-6	4-Isopropyltoluene	ND	5.00	ug/L
108-10-1	4-Methyl-2-pentanone	ND	5.00	ug/L
67-64-1	Acetone	ND	5.00	ug/L
71-43-2	Benzene	ND	5.00	ug/L
108-86-1	Bromobenzene	ND	5.00	ug/L
74-97-5	Bromochloromethane	ND	5.00	ug/L
75-27-4	Bromodichloromethane	ND	5.00	ug/L
75-25-2	Bromoform	ND	5.00	ug/L
74-83-9	Bromomethane	ND	5.00	ug/L
75-15-0	Carbon disulfide	ND	5.00	ug/L
56-23-5	Carbon tetrachloride	ND	5.00	ug/L
108-90-7	Chlorobenzene	ND	5.00	ug/L
75-00-3	Chloroethane	ND	5.00	ug/L
67-66-3	Chloroform	ND	5.00	ug/L
74-87-3	Chloromethane	ND	5.00	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**92.1**	**5.00**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	ND	5.00	ug/L
124-48-1	Dibromochloromethane	ND	5.00	ug/L
74-95-3	Dibromomethane	ND	5.00	ug/L
75-71-8	Dichlorodifluoromethane	ND	5.00	ug/L
100-41-4	Ethylbenzene	ND	5.00	ug/L
87-68-3	Hexachlorobutadiene	ND	5.00	ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	5.00	ug/L
136777-61-2	m,p-Xylene	ND	10.0	ug/L
74-88-4	Methyl iodide	ND	5.00	ug/L
75-09-2	Methylene chloride	ND	5.00	ug/L
91-20-3	Naphthalene	ND	5.00	ug/L
104-51-8	n-Butylbenzene	ND	5.00	ug/L
103-65-1	n-Propylbenzene	ND	5.00	ug/L
95-47-6	o-Xylene	ND	5.00	ug/L
135-98-8	sec-Butylbenzene	ND	5.00	ug/L
100-42-5	Styrene	ND	5.00	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	5.00	ug/L
98-06-6	tert-Butylbenzene	ND	5.00	ug/L
127-18-4	**Tetrachloroethene**	**31.4**	**5.00**	**ug/L**
108-88-3	Toluene	ND	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	5.00	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.00	ug/L
79-01-6	**Trichloroethene**	**7.71**	**5.00**	**ug/L**
75-69-4	Trichlorofluoromethane	ND	5.00	ug/L
76-13-1	Trichlorotrifluoroethane	ND	5.00	ug/L
75-01-4	**Vinyl chloride**	**16.1**	**5.00**	**ug/L**

Sample Results

MW-19 AT 30

Collect Date	12/18/2014 10:41	**GCAL ID**	21412220808
Receive Date	12/20/2014 10:00	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	12/23/2014 15:21	JCK	547821

CAS#	Parameter	Result	LOQ	Units
1330-20-7	Xylene (total)	ND	15.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	51.3	ug/L	103	78 - 130
1868-53-7	Dibromofluoromethane	50	49.4	ug/L	99	77 - 127
2037-26-5	Toluene d8	50	49.9	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	48.7	ug/L	97	71 - 127

MW-15 AT 30

Collect Date	12/18/2014 11:28	**GCAL ID**	21412220809
Receive Date	12/20/2014 10:00	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	12/23/2014 15:41	JCK	547821

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	ND	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	ND	5.00	ug/L
75-34-3	1,1-Dichloroethane	ND	5.00	ug/L
75-35-4	1,1-Dichloroethene	ND	5.00	ug/L
563-58-6	1,1-Dichloropropene	ND	5.00	ug/L
96-18-4	1,2,3-Trichloropropane	ND	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	5.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	5.00	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.00	ug/L
106-93-4	1,2-Dibromoethane	ND	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	ND	5.00	ug/L
107-06-2	1,2-Dichloroethane	ND	5.00	ug/L
540-59-0	1,2-Dichloroethene(Total)	ND	10.0	ug/L
78-87-5	1,2-Dichloropropane	ND	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	ND	5.00	ug/L
142-28-9	1,3-Dichloropropane	ND	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	ND	5.00	ug/L
594-20-7	2,2-Dichloropropane	ND	5.00	ug/L
78-93-3	2-Butanone	ND	5.00	ug/L
95-49-8	2-Chlorotoluene	ND	5.00	ug/L
591-78-6	2-Hexanone	ND	5.00	ug/L
106-43-4	4-Chlorotoluene	ND	5.00	ug/L
99-87-6	4-Isopropyltoluene	ND	5.00	ug/L
108-10-1	4-Methyl-2-pentanone	ND	5.00	ug/L
67-64-1	Acetone	ND	5.00	ug/L
71-43-2	Benzene	ND	5.00	ug/L
108-86-1	Bromobenzene	ND	5.00	ug/L
74-97-5	Bromochloromethane	ND	5.00	ug/L

Sample Results

MW-15 AT 30	**Collect Date**	12/18/2014 11:28	**GCAL ID**	21412220809
	Receive Date	12/20/2014 10:00	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	12/23/2014 15:41	JCK	547821

CAS#	Parameter	Result	LOQ	Units
75-27-4	Bromodichloromethane	ND	5.00	ug/L
75-25-2	Bromoform	ND	5.00	ug/L
74-83-9	Bromomethane	ND	5.00	ug/L
75-15-0	Carbon disulfide	ND	5.00	ug/L
56-23-5	Carbon tetrachloride	ND	5.00	ug/L
108-90-7	Chlorobenzene	ND	5.00	ug/L
75-00-3	Chloroethane	ND	5.00	ug/L
67-66-3	Chloroform	ND	5.00	ug/L
74-87-3	Chloromethane	ND	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	ND	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	5.00	ug/L
124-48-1	Dibromochloromethane	ND	5.00	ug/L
74-95-3	Dibromomethane	ND	5.00	ug/L
75-71-8	Dichlorodifluoromethane	ND	5.00	ug/L
100-41-4	Ethylbenzene	ND	5.00	ug/L
87-68-3	Hexachlorobutadiene	ND	5.00	ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	5.00	ug/L
136777-61-2	m,p-Xylene	ND	5.00	ug/L
74-88-4	Methyl iodide	ND	10.0	ug/L
75-09-2	Methylene chloride	ND	5.00	ug/L
91-20-3	Naphthalene	ND	5.00	ug/L
104-51-8	n-Butylbenzene	ND	5.00	ug/L
103-65-1	n-Propylbenzene	ND	5.00	ug/L
95-47-6	o-Xylene	ND	5.00	ug/L
135-98-8	sec-Butylbenzene	ND	5.00	ug/L
100-42-5	Styrene	ND	5.00	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	5.00	ug/L
98-06-6	tert-Butylbenzene	ND	5.00	ug/L
127-18-4	Tetrachloroethene	ND	5.00	ug/L
108-88-3	Toluene	ND	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	5.00	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.00	ug/L
79-01-6	Trichloroethene	ND	5.00	ug/L
75-69-4	Trichlorofluoromethane	ND	5.00	ug/L
76-13-1	Trichlorotrifluoroethane	ND	5.00	ug/L
75-01-4	Vinyl chloride	ND	5.00	ug/L
1330-20-7	Xylene (total)	ND	15.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	52	ug/L	104	78 - 130
1868-53-7	Dibromofluoromethane	50	50.5	ug/L	101	77 - 127
2037-26-5	Toluene d8	50	50.9	ug/L	102	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	49.9	ug/L	100	71 - 127

Sample Results

MW-20 AT 60	**Collect Date**	12/18/2014 12:49	**GCAL ID**	21412220810
	Receive Date	12/20/2014 10:00	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	5	12/24/2014 01:49	CLH	547881

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	25.0	ug/L
71-55-6	1,1,1-Trichloroethane	ND	25.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	25.0	ug/L
79-00-5	1,1,2-Trichloroethane	ND	25.0	ug/L
75-34-3	1,1-Dichloroethane	ND	25.0	ug/L
75-35-4	1,1-Dichloroethene	ND	25.0	ug/L
563-58-6	1,1-Dichloropropene	ND	25.0	ug/L
96-18-4	1,2,3-Trichloropropane	ND	25.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	25.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	25.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	25.0	ug/L
106-93-4	1,2-Dibromoethane	ND	25.0	ug/L
95-50-1	1,2-Dichlorobenzene	ND	25.0	ug/L
107-06-2	1,2-Dichloroethane	ND	25.0	ug/L
540-59-0	**1,2-Dichloroethene(Total)**	**149**	**50.0**	**ug/L**
78-87-5	1,2-Dichloropropane	ND	25.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	25.0	ug/L
541-73-1	1,3-Dichlorobenzene	ND	25.0	ug/L
142-28-9	1,3-Dichloropropane	ND	25.0	ug/L
106-46-7	1,4-Dichlorobenzene	ND	25.0	ug/L
594-20-7	2,2-Dichloropropane	ND	25.0	ug/L
78-93-3	2-Butanone	ND	25.0	ug/L
95-49-8	2-Chlorotoluene	ND	25.0	ug/L
591-78-6	2-Hexanone	ND	25.0	ug/L
106-43-4	4-Chlorotoluene	ND	25.0	ug/L
99-87-6	4-Isopropyltoluene	ND	25.0	ug/L
108-10-1	4-Methyl-2-pentanone	ND	25.0	ug/L
67-64-1	Acetone	ND	25.0	ug/L
71-43-2	Benzene	ND	25.0	ug/L
108-86-1	Bromobenzene	ND	25.0	ug/L
74-97-5	Bromochloromethane	ND	25.0	ug/L
75-27-4	Bromodichloromethane	ND	25.0	ug/L
75-25-2	Bromoform	ND	25.0	ug/L
74-83-9	Bromomethane	ND	25.0	ug/L
75-15-0	Carbon disulfide	ND	25.0	ug/L
56-23-5	Carbon tetrachloride	ND	25.0	ug/L
108-90-7	Chlorobenzene	ND	25.0	ug/L
75-00-3	Chloroethane	ND	25.0	ug/L
67-66-3	Chloroform	ND	25.0	ug/L
74-87-3	Chloromethane	ND	25.0	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**149**	**25.0**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	ND	25.0	ug/L
124-48-1	Dibromochloromethane	ND	25.0	ug/L
74-95-3	Dibromomethane	ND	25.0	ug/L
75-71-8	Dichlorodifluoromethane	ND	25.0	ug/L
100-41-4	Ethylbenzene	ND	25.0	ug/L
87-68-3	Hexachlorobutadiene	ND	25.0	ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	25.0	ug/L
136777-61-2	m,p-Xylene	ND	50.0	ug/L
74-88-4	Methyl iodide	ND	25.0	ug/L
75-09-2	Methylene chloride	ND	25.0	ug/L
91-20-3	Naphthalene	ND	25.0	ug/L
104-51-8	n-Butylbenzene	ND	25.0	ug/L

Sample Results

MW-20 AT 60	**Collect Date**	12/18/2014 12:49	**GCAL ID**	21412220810
	Receive Date	12/20/2014 10:00	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	5	12/24/2014 01:49	CLH	547881

CAS#	Parameter	Result	LOQ	Units
103-65-1	n-Propylbenzene	ND	25.0	ug/L
95-47-6	o-Xylene	ND	25.0	ug/L
135-98-8	sec-Butylbenzene	ND	25.0	ug/L
100-42-5	Styrene	ND	25.0	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	25.0	ug/L
98-06-6	tert-Butylbenzene	ND	25.0	ug/L
108-88-3	Toluene	ND	25.0	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	25.0	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	25.0	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	25.0	ug/L
79-01-6	**Trichloroethene**	**105**	**25.0**	**ug/L**
75-69-4	Trichlorofluoromethane	ND	25.0	ug/L
76-13-1	Trichlorotrifluoroethane	ND	25.0	ug/L
75-01-4	Vinyl chloride	ND	25.0	ug/L
1330-20-7	Xylene (total)	ND	75.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	250	254	ug/L	102	78 - 130
1868-53-7	Dibromofluoromethane	250	259	ug/L	104	77 - 127
2037-26-5	Toluene d8	250	246	ug/L	98	76 - 134
17060-07-0	1,2-Dichloroethane-d4	250	261	ug/L	104	71 - 127

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	50	12/24/2014 01:29	CLH	547881

CAS#	Parameter	Result	LOQ	Units
127-18-4	**Tetrachloroethene**	**984**	**250**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2500	2550	ug/L	102	78 - 130
1868-53-7	Dibromofluoromethane	2500	2480	ug/L	99	77 - 127
2037-26-5	Toluene d8	2500	2510	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	2500	2480	ug/L	99	71 - 127

Sample Results

PT-3 AT 60	Collect Date	12/18/2014 13:55	GCAL ID	21412220811
	Receive Date	12/20/2014 10:00	Matrix	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	10	12/26/2014 15:28	CJR	547999

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	50.0	ug/L
71-55-6	1,1,1-Trichloroethane	ND	50.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	50.0	ug/L
79-00-5	1,1,2-Trichloroethane	ND	50.0	ug/L
75-34-3	1,1-Dichloroethane	ND	50.0	ug/L
75-35-4	1,1-Dichloroethene	ND	50.0	ug/L
563-58-6	1,1-Dichloropropene	ND	50.0	ug/L
96-18-4	1,2,3-Trichloropropane	ND	50.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	50.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	50.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	50.0	ug/L
106-93-4	1,2-Dibromoethane	ND	50.0	ug/L
95-50-1	1,2-Dichlorobenzene	ND	50.0	ug/L
107-06-2	1,2-Dichloroethane	ND	50.0	ug/L
540-59-0	**1,2-Dichloroethene(Total)**	**801**	**100**	**ug/L**
78-87-5	1,2-Dichloropropane	ND	50.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	50.0	ug/L
541-73-1	1,3-Dichlorobenzene	ND	50.0	ug/L
142-28-9	1,3-Dichloropropane	ND	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	ND	50.0	ug/L
594-20-7	2,2-Dichloropropane	ND	50.0	ug/L
78-93-3	2-Butanone	ND	50.0	ug/L
95-49-8	2-Chlorotoluene	ND	50.0	ug/L
591-78-6	2-Hexanone	ND	50.0	ug/L
106-43-4	4-Chlorotoluene	ND	50.0	ug/L
99-87-6	4-Isopropyltoluene	ND	50.0	ug/L
108-10-1	4-Methyl-2-pentanone	ND	50.0	ug/L
67-64-1	Acetone	ND	50.0	ug/L
71-43-2	Benzene	ND	50.0	ug/L
108-86-1	Bromobenzene	ND	50.0	ug/L
74-97-5	Bromochloromethane	ND	50.0	ug/L
75-27-4	Bromodichloromethane	ND	50.0	ug/L
75-25-2	Bromoform	ND	50.0	ug/L
74-83-9	Bromomethane	ND	50.0	ug/L
75-15-0	Carbon disulfide	ND	50.0	ug/L
56-23-5	Carbon tetrachloride	ND	50.0	ug/L
108-90-7	Chlorobenzene	ND	50.0	ug/L
75-00-3	Chloroethane	ND	50.0	ug/L
67-66-3	Chloroform	ND	50.0	ug/L
74-87-3	Chloromethane	ND	50.0	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**789**	**50.0**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	ND	50.0	ug/L
124-48-1	Dibromochloromethane	ND	50.0	ug/L
74-95-3	Dibromomethane	ND	50.0	ug/L
75-71-8	Dichlorodifluoromethane	ND	50.0	ug/L
100-41-4	Ethylbenzene	ND	50.0	ug/L
87-68-3	Hexachlorobutadiene	ND	50.0	ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	50.0	ug/L
136777-61-2	m,p-Xylene	ND	100	ug/L
74-88-4	Methyl iodide	ND	50.0	ug/L
75-09-2	Methylene chloride	ND	50.0	ug/L
91-20-3	Naphthalene	ND	50.0	ug/L
104-51-8	n-Butylbenzene	ND	50.0	ug/L

Sample Results

PT-3 AT 60	**Collect Date**	12/18/2014 13:55	**GCAL ID**	21412220811
	Receive Date	12/20/2014 10:00	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	10	12/26/2014 15:28	CJR	547999

CAS#	Parameter	Result	LOQ	Units
103-65-1	n-Propylbenzene	ND	50.0	ug/L
95-47-6	o-Xylene	ND	50.0	ug/L
135-98-8	sec-Butylbenzene	ND	50.0	ug/L
100-42-5	Styrene	ND	50.0	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	50.0	ug/L
98-06-6	tert-Butylbenzene	ND	50.0	ug/L
108-88-3	Toluene	ND	50.0	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	50.0	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	50.0	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	50.0	ug/L
79-01-6	**Trichloroethene**	**924**	**50.0**	**ug/L**
75-69-4	Trichlorofluoromethane	ND	50.0	ug/L
76-13-1	Trichlorotrifluoroethane	ND	50.0	ug/L
75-01-4	Vinyl chloride	ND	50.0	ug/L
1330-20-7	Xylene (total)	ND	150	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	500	563	ug/L	113	78 - 130
1868-53-7	Dibromofluoromethane	500	523	ug/L	105	77 - 127
2037-26-5	Toluene d8	500	515	ug/L	103	76 - 134
17060-07-0	1,2-Dichloroethane-d4	500	478	ug/L	96	71 - 127

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	100	12/26/2014 15:06	JCK	547999

CAS#	Parameter	Result	LOQ	Units
127-18-4	**Tetrachloroethene**	**7930**	**500**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	5000	5550	ug/L	111	78 - 130
1868-53-7	Dibromofluoromethane	5000	5030	ug/L	101	77 - 127
2037-26-5	Toluene d8	5000	5150	ug/L	103	76 - 134
17060-07-0	1,2-Dichloroethane-d4	5000	4580	ug/L	92	71 - 127

Sample Results

TRIP BLANK	Collect Date	12/17/2014 00:00	GCAL ID	21412220812
	Receive Date	12/20/2014 10:00	Matrix	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	12/23/2014 14:41	JCK	547821

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	ND	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	ND	5.00	ug/L
75-34-3	1,1-Dichloroethane	ND	5.00	ug/L
75-35-4	1,1-Dichloroethene	ND	5.00	ug/L
563-58-6	1,1-Dichloropropene	ND	5.00	ug/L
96-18-4	1,2,3-Trichloropropane	ND	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	5.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	5.00	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.00	ug/L
106-93-4	1,2-Dibromoethane	ND	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	ND	5.00	ug/L
107-06-2	1,2-Dichloroethane	ND	5.00	ug/L
540-59-0	1,2-Dichloroethene(Total)	ND	10.0	ug/L
78-87-5	1,2-Dichloropropane	ND	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	ND	5.00	ug/L
142-28-9	1,3-Dichloropropane	ND	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	ND	5.00	ug/L
594-20-7	2,2-Dichloropropane	ND	5.00	ug/L
78-93-3	2-Butanone	ND	5.00	ug/L
95-49-8	2-Chlorotoluene	ND	5.00	ug/L
591-78-6	2-Hexanone	ND	5.00	ug/L
106-43-4	4-Chlorotoluene	ND	5.00	ug/L
99-87-6	4-Isopropyltoluene	ND	5.00	ug/L
108-10-1	4-Methyl-2-pentanone	ND	5.00	ug/L
67-64-1	Acetone	ND	5.00	ug/L
71-43-2	Benzene	ND	5.00	ug/L
108-86-1	Bromobenzene	ND	5.00	ug/L
74-97-5	Bromochloromethane	ND	5.00	ug/L
75-27-4	Bromodichloromethane	ND	5.00	ug/L
75-25-2	Bromoform	ND	5.00	ug/L
74-83-9	Bromomethane	ND	5.00	ug/L
75-15-0	Carbon disulfide	ND	5.00	ug/L
56-23-5	Carbon tetrachloride	ND	5.00	ug/L
108-90-7	Chlorobenzene	ND	5.00	ug/L
75-00-3	Chloroethane	ND	5.00	ug/L
67-66-3	Chloroform	ND	5.00	ug/L
74-87-3	Chloromethane	ND	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	ND	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	5.00	ug/L
124-48-1	Dibromochloromethane	ND	5.00	ug/L
74-95-3	Dibromomethane	ND	5.00	ug/L
75-71-8	Dichlorodifluoromethane	ND	5.00	ug/L
100-41-4	Ethylbenzene	ND	5.00	ug/L
87-68-3	Hexachlorobutadiene	ND	5.00	ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	5.00	ug/L
136777-61-2	m,p-Xylene	ND	10.0	ug/L
74-88-4	Methyl iodide	ND	5.00	ug/L
75-09-2	Methylene chloride	ND	5.00	ug/L
91-20-3	Naphthalene	ND	5.00	ug/L
104-51-8	n-Butylbenzene	ND	5.00	ug/L

Sample Results

TRIP BLANK	**Collect Date**	12/17/2014 00:00	**GCAL ID**	21412220812
	Receive Date	12/20/2014 10:00	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	12/23/2014 14:41	JCK	547821

CAS#	Parameter	Result	LOQ	Units
103-65-1	n-Propylbenzene	ND	5.00	ug/L
95-47-6	o-Xylene	ND	5.00	ug/L
135-98-8	sec-Butylbenzene	ND	5.00	ug/L
100-42-5	Styrene	ND	5.00	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	5.00	ug/L
98-06-6	tert-Butylbenzene	ND	5.00	ug/L
127-18-4	Tetrachloroethene	ND	5.00	ug/L
108-88-3	Toluene	ND	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	5.00	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.00	ug/L
79-01-6	Trichloroethene	ND	5.00	ug/L
75-69-4	Trichlorofluoromethane	ND	5.00	ug/L
76-13-1	Trichlorotrifluoroethane	ND	5.00	ug/L
75-01-4	Vinyl chloride	ND	5.00	ug/L
1330-20-7	Xylene (total)	ND	15.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	50.8	ug/L	102	78 - 130
1868-53-7	Dibromofluoromethane	50	51.1	ug/L	102	77 - 127
2037-26-5	Toluene d8	50	50.4	ug/L	101	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	49.3	ug/L	99	71 - 127

GC/MS Volatiles Quality Control Summary

Analytical Batch 547821	Client ID	MB547821		LCS547821				LCSD547821				
	GCAL ID	1393901		1393902				1393903				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	12/23/2014 12:23		12/23/2014 11:00				12/23/2014 11:20				
	Matrix	Water		Water				Water				
EPA 8260B		Units Result	ug/L LOQ	Spike Added	Result	%R	Control Limits%R	Spike Added	Result	%R	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	630-20-6	ND	5.00	50.0	49.8	100	75 - 124	50.0	47.7	95	4	30
1,1,1-Trichloroethane	71-55-6	ND	5.00	50.0	49.9	100	76 - 126	50.0	46.5	93	7	30
1,1,2,2-Tetrachloroethane	79-34-5	ND	5.00	50.0	47.9	96	70 - 122	50.0	50.2	100	5	30
1,1,2-Trichloroethane	79-00-5	ND	5.00	50.0	46.8	94	72 - 121	50.0	45.3	91	3	30
1,1-Dichloroethane	75-34-3	ND	5.00	50.0	49.1	98	74 - 127	50.0	45.9	92	7	30
1,1-Dichloroethene	75-35-4	ND	5.00	50.0	48.9	98	69 - 129	50.0	44.3	89	10	20
1,1-Dichloropropene	563-58-6	ND	5.00	50.0	51.2	102	72 - 131	50.0	48.0	96	6	30
1,2,3-Trichloropropane	96-18-4	ND	5.00	50.0	46.5	93	70 - 120	50.0	49.1	98	5	30
1,2,4-Trichlorobenzene	120-82-1	ND	5.00	50.0	52.4	105	61 - 135	50.0	51.7	103	1	30
1,2,4-Trimethylbenzene	95-63-6	ND	5.00	50.0	53.3	107	74 - 125	50.0	51.1	102	4	30
1,2-Dibromo-3-chloropropane	96-12-8	ND	5.00	50.0	45.5	91	57 - 121	50.0	50.6	101	11	30
1,2-Dibromoethane	106-93-4	ND	5.00	50.0	49.3	99	70 - 124	50.0	48.9	98	1	30
1,2-Dichlorobenzene	95-50-1	ND	5.00	50.0	50.0	100	71 - 126	50.0	48.7	97	3	30
1,2-Dichloroethane	107-06-2	ND	5.00	50.0	48.4	97	71 - 129	50.0	47.3	95	2	30
1,2-Dichloroethene(Total)	540-59-0	ND	10.0	100	100	100	74 - 128	100	93.6	94	7	30
1,2-Dichloropropane	78-87-5	ND	5.00	50.0	50.6	101	72 - 128	50.0	48.4	97	4	30
1,3,5-Trimethylbenzene	108-67-8	ND	5.00	50.0	53.3	107	71 - 132	50.0	51.0	102	4	30
1,3-Dichlorobenzene	541-73-1	ND	5.00	50.0	49.6	99	74 - 126	50.0	47.4	95	5	30
1,3-Dichloropropane	142-28-9	ND	5.00	50.0	48.6	97	74 - 122	50.0	47.4	95	3	30
1,4-Dichlorobenzene	106-46-7	ND	5.00	50.0	50.3	101	72 - 122	50.0	48.9	98	3	30
2,2-Dichloropropane	594-20-7	ND	5.00	50.0	50.6	101	77 - 124	50.0	46.5	93	8	30
2-Butanone	78-93-3	ND	5.00	50.0	46.0	92	58 - 137	50.0	51.9	104	12	30
2-Chlorotoluene	95-49-8	ND	5.00	50.0	49.8	100	72 - 127	50.0	47.0	94	6	30
2-Hexanone	591-78-6	ND	5.00	50.0	50.2	100	50 - 135	50.0	54.3	109	8	30
4-Chlorotoluene	106-43-4	ND	5.00	50.0	49.9	100	75 - 126	50.0	47.2	94	6	30
4-Isopropyltoluene	99-87-6	ND	5.00	50.0	49.0	98	71 - 129	50.0	46.3	93	6	30
4-Methyl-2-pentanone	108-10-1	ND	5.00	50.0	46.1	92	57 - 132	50.0	49.1	98	6	30
Acetone	67-64-1	ND	5.00	50.0	50.5	101	44 - 156	50.0	52.8	106	4	30
Benzene	71-43-2	ND	5.00	50.0	47.5	95	70 - 129	50.0	44.8	90	6	20
Bromobenzene	108-86-1	ND	5.00	50.0	48.5	97	71 - 120	50.0	47.0	94	3	30
Bromochloromethane	74-97-5	ND	5.00	50.0	54.8	110	76 - 130	50.0	50.4	101	8	30
Bromodichloromethane	75-27-4	ND	5.00	50.0	50.4	101	74 - 125	50.0	48.3	97	4	30
Bromoform	75-25-2	ND	5.00	50.0	47.5	95	64 - 122	50.0	47.4	95	0	30
Bromomethane	74-83-9	ND	5.00	50.0	56.3	113	47 - 138	50.0	54.6	109	3	30
Carbon disulfide	75-15-0	ND	5.00	50.0	48.1	96	69 - 136	50.0	45.0	90	7	30
Carbon tetrachloride	56-23-5	ND	5.00	50.0	50.9	102	76 - 128	50.0	46.9	94	8	30
Chlorobenzene	108-90-7	ND	5.00	50.0	48.4	97	74 - 123	50.0	44.9	90	8	20
Chloroethane	75-00-3	ND	5.00	50.0	47.6	95	62 - 141	50.0	45.9	92	4	30
Chloroform	67-66-3	ND	5.00	50.0	49.6	99	75 - 122	50.0	46.9	94	6	30
Chloromethane	74-87-3	ND	5.00	50.0	52.6	105	59 - 132	50.0	47.8	96	10	30
cis-1,2-Dichloroethene	156-59-2	ND	5.00	50.0	49.8	100	73 - 130	50.0	47.0	94	6	30
cis-1,3-Dichloropropene	10061-01-5	ND	5.00	50.0	50.8	102	71 - 132	50.0	49.3	99	3	30
Dibromochloromethane	124-48-1	ND	5.00	50.0	50.5	101	71 - 123	50.0	49.0	98	3	30
Dibromomethane	74-95-3	ND	5.00	50.0	48.1	96	72 - 129	50.0	49.2	98	2	30
Dichlorodifluoromethane	75-71-8	ND	5.00	50.0	51.1	102	58 - 140	50.0	46.8	94	9	30
Ethylbenzene	100-41-4	ND	5.00	50.0	49.4	99	74 - 126	50.0	45.6	91	8	30
Hexachlorobutadiene	87-68-3	ND	5.00	50.0	52.1	104	61 - 144	50.0	48.7	97	7	30
Isopropylbenzene (Cumene)	98-82-8	ND	5.00	50.0	52.2	104	71 - 125	50.0	48.3	97	8	30
m,p-Xylene	136777-61-2	ND	10.0	100	103	103	74 - 126	100	96.0	96	7	30
Methyl iodide	74-88-4	ND	5.00	50.0	48.3	97	57 - 141	50.0	47.7	95	1	30
Methylene chloride	75-09-2	ND	5.00	50.0	48.9	98	68 - 132	50.0	46.4	93	5	30
Naphthalene	91-20-3	ND	5.00	50.0	51.4	103	57 - 138	50.0	53.9	108	5	35
n-Butylbenzene	104-51-8	ND	5.00	50.0	52.9	106	69 - 134	50.0	49.7	99	6	30
n-Propylbenzene	103-65-1	ND	5.00	50.0	51.8	104	75 - 129	50.0	48.9	98	6	30
o-Xylene	95-47-6	ND	5.00	50.0	52.8	106	73 - 130	50.0	49.6	99	6	30
sec-Butylbenzene	135-98-8	ND	5.00	50.0	53.2	106	70 - 136	50.0	50.1	100	6	30
Styrene	100-42-5	ND	5.00	50.0	48.4	97	71 - 127	50.0	47.0	94	3	30
tert-Butyl methyl ether (MTBE)	1634-04-4	ND	5.00	50.0	48.9	98	71 - 125	50.0	48.6	97	1	30

GC/MS Volatiles Quality Control Summary

Analytical Batch 547821	Client ID	MB547821		LCS547821				LCSD547821				
	GCAL ID	1393901		1393902				1393903				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	12/23/2014 12:23		12/23/2014 11:00				12/23/2014 11:20				
	Matrix	Water		Water				Water				
EPA 8260B		Units Result	ug/L LOQ	Spike Added	Result	%R	Control Limits%R	Spike Added	Result	%R	RPD	RPD Limit
tert-Butylbenzene	98-06-6	ND	5.00	50.0	51.3	103	72 - 126	50.0	47.7	95	7	30
Tetrachloroethene	127-18-4	ND	5.00	50.0	49.9	100	68 - 128	50.0	47.4	95	5	30
Toluene	108-88-3	ND	5.00	50.0	47.3	95	72 - 120	50.0	44.2	88	7	20
trans-1,2-Dichloroethene	156-60-5	ND	5.00	50.0	50.3	101	69 - 132	50.0	46.6	93	8	30
trans-1,3-Dichloropropene	10061-02-6	ND	5.00	50.0	51.8	104	71 - 131	50.0	49.9	100	4	30
trans-1,4-Dichloro-2-butene	110-57-6	ND	5.00	50.0	52.9	106	56 - 132	50.0	51.7	103	2	30
Trichloroethene	79-01-6	ND	5.00	50.0	48.5	97	76 - 129	50.0	46.0	92	5	20
Trichlorofluoromethane	75-69-4	ND	5.00	50.0	49.3	99	72 - 136	50.0	44.7	89	10	30
Trichlorotrifluoroethane	76-13-1	ND	5.00	50.0	47.8	96	72 - 136	50.0	43.0	86	11	30
Vinyl chloride	75-01-4	ND	5.00	50.0	49.7	99	68 - 132	50.0	44.0	88	12	30
Xylene (total)	1330-20-7	ND	15.0	150	156	104	74 - 127	150	146	97	7	30
Surrogate												
1,2-Dichloroethane-d4	17060-07-0	51.3	103	50	49.5	99	71 - 127	50	50	100	1	NA
4-Bromofluorobenzene	460-00-4	50.9	102	50	51.2	102	78 - 130	50	51.6	103	1	NA
Dibromofluoromethane	1868-53-7	50.3	101	50	51.3	103	77 - 127	50	50.5	101	2	NA
Toluene d8	2037-26-5	50.5	101	50	49.9	100	76 - 134	50	49	98	2	NA

Analytical Batch 547881	Client ID	MB547881		LCS547881				LCSD547881				
	GCAL ID	1394127		1394128				1394129				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	12/23/2014 22:51		12/23/2014 21:31				12/23/2014 21:51				
	Matrix	Water		Water				Water				
EPA 8260B		Units Result	ug/L LOQ	Spike Added	Result	%R	Control Limits%R	Spike Added	Result	%R	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	630-20-6	ND	5.00	50.0	48.7	97	75 - 124	50.0	48.2	96	1	30
1,1,1-Trichloroethane	71-55-6	ND	5.00	50.0	49.5	99	76 - 126	50.0	48.6	97	2	30
1,1,2,2-Tetrachloroethane	79-34-5	ND	5.00	50.0	47.9	96	70 - 122	50.0	48.5	97	1	30
1,1,2-Trichloroethane	79-00-5	ND	5.00	50.0	46.1	92	72 - 121	50.0	47.7	95	3	30
1,1-Dichloroethane	75-34-3	ND	5.00	50.0	47.2	94	74 - 127	50.0	46.8	94	1	30
1,1-Dichloroethene	75-35-4	ND	5.00	50.0	46.3	93	69 - 129	50.0	46.6	93	1	20
1,1-Dichloropropene	563-58-6	ND	5.00	50.0	50.0	100	72 - 131	50.0	48.4	97	3	30
1,2,3-Trichloropropane	96-18-4	ND	5.00	50.0	44.9	90	70 - 120	50.0	47.1	94	5	30
1,2,4-Trichlorobenzene	120-82-1	ND	5.00	50.0	50.9	102	61 - 135	50.0	51.2	102	1	30
1,2,4-Trimethylbenzene	95-63-6	ND	5.00	50.0	48.9	98	74 - 125	50.0	51.5	103	5	30
1,2-Dibromo-3-chloropropane	96-12-8	ND	5.00	50.0	44.0	88	57 - 121	50.0	49.0	98	11	30
1,2-Dibromoethane	106-93-4	ND	5.00	50.0	49.9	100	70 - 124	50.0	50.2	100	1	30
1,2-Dichlorobenzene	95-50-1	ND	5.00	50.0	48.5	97	71 - 126	50.0	48.9	98	1	30
1,2-Dichloroethane	107-06-2	ND	5.00	50.0	48.7	97	71 - 129	50.0	48.6	97	0	30
1,2-Dichloroethene(Total)	540-59-0	ND	10.0	100	96.6	97	74 - 128	100	95.4	95	1	30
1,2-Dichloropropane	78-87-5	ND	5.00	50.0	48.8	98	72 - 128	50.0	47.9	96	2	30
1,3,5-Trimethylbenzene	108-67-8	ND	5.00	50.0	50.0	100	71 - 132	50.0	51.3	103	3	30
1,3-Dichlorobenzene	541-73-1	ND	5.00	50.0	49.4	99	74 - 126	50.0	49.4	99	0	30
1,3-Dichloropropane	142-28-9	ND	5.00	50.0	48.2	96	74 - 122	50.0	47.7	95	1	30
1,4-Dichlorobenzene	106-46-7	ND	5.00	50.0	49.0	98	72 - 122	50.0	49.0	98	0	30
2,2-Dichloropropane	594-20-7	ND	5.00	50.0	48.4	97	77 - 124	50.0	47.6	95	2	30
2-Butanone	78-93-3	ND	5.00	50.0	49.7	99	58 - 137	50.0	46.6	93	6	30
2-Chlorotoluene	95-49-8	ND	5.00	50.0	47.7	95	72 - 127	50.0	48.2	96	1	30
2-Hexanone	591-78-6	ND	5.00	50.0	49.7	99	50 - 135	50.0	50.1	100	1	30
4-Chlorotoluene	106-43-4	ND	5.00	50.0	47.7	95	75 - 126	50.0	48.5	97	2	30
4-Isopropyltoluene	99-87-6	ND	5.00	50.0	45.9	92	71 - 129	50.0	46.5	93	1	30
4-Methyl-2-pentanone	108-10-1	ND	5.00	50.0	46.5	93	57 - 132	50.0	47.9	96	3	30
Acetone	67-64-1	ND	5.00	50.0	50.9	102	44 - 156	50.0	52.2	104	3	30
Benzene	71-43-2	ND	5.00	50.0	46.8	94	70 - 129	50.0	46.6	93	0	20
Bromobenzene	108-86-1	ND	5.00	50.0	46.4	93	71 - 120	50.0	47.7	95	3	30
Bromochloromethane	74-97-5	ND	5.00	50.0	52.1	104	76 - 130	50.0	52.0	104	0	30
Bromodichloromethane	75-27-4	ND	5.00	50.0	49.2	98	74 - 125	50.0	49.8	100	1	30

GC/MS Volatiles Quality Control Summary

Analytical Batch 547881	Client ID	MB547881		LCS547881				LCSD547881				
	GCAL ID	1394127		1394128				1394129				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	12/23/2014 22:51		12/23/2014 21:31				12/23/2014 21:51				
	Matrix	Water		Water				Water				
EPA 8260B		Units Result	ug/L LOQ	Spike Added	Result	%R	Control Limits%R	Spike Added	Result	%R	RPD	RPD Limit
Bromoform	75-25-2	ND	5.00	50.0	47.6	95	64 - 122	50.0	48.7	97	2	30
Bromomethane	74-83-9	ND	5.00	50.0	50.0	100	47 - 138	50.0	59.0	118	17	30
Carbon disulfide	75-15-0	ND	5.00	50.0	46.1	92	69 - 136	50.0	44.8	90	3	30
Carbon tetrachloride	56-23-5	ND	5.00	50.0	50.9	102	76 - 128	50.0	49.9	100	2	30
Chlorobenzene	108-90-7	ND	5.00	50.0	47.4	95	74 - 123	50.0	47.1	94	1	20
Chloroethane	75-00-3	ND	5.00	50.0	45.6	91	62 - 141	50.0	45.3	91	1	30
Chloroform	67-66-3	ND	5.00	50.0	48.3	97	75 - 122	50.0	48.2	96	0	30
Chloromethane	74-87-3	ND	5.00	50.0	49.4	99	59 - 132	50.0	48.0	96	3	30
cis-1,2-Dichloroethene	156-59-2	ND	5.00	50.0	48.1	96	73 - 130	50.0	48.0	96	0	30
cis-1,3-Dichloropropene	10061-01-5	ND	5.00	50.0	49.1	98	71 - 132	50.0	49.7	99	1	30
Dibromochloromethane	124-48-1	ND	5.00	50.0	50.5	101	71 - 123	50.0	51.4	103	2	30
Dibromomethane	74-95-3	ND	5.00	50.0	50.5	101	72 - 129	50.0	49.7	99	2	30
Dichlorodifluoromethane	75-71-8	ND	5.00	50.0	49.4	99	58 - 140	50.0	47.7	95	4	30
Ethylbenzene	100-41-4	ND	5.00	50.0	48.8	98	74 - 126	50.0	48.1	96	1	30
Hexachlorobutadiene	87-68-3	ND	5.00	50.0	49.8	100	61 - 144	50.0	50.0	100	0	30
Isopropylbenzene (Cumene)	98-82-8	ND	5.00	50.0	51.1	102	71 - 125	50.0	50.0	100	2	30
m,p-Xylene	136777-61-2	ND	10.0	100	100	100	74 - 126	100	98.3	98	2	30
Methyl iodide	74-88-4	ND	5.00	50.0	45.2	90	57 - 141	50.0	52.6	105	15	30
Methylene chloride	75-09-2	ND	5.00	50.0	46.6	93	68 - 132	50.0	47.8	96	3	30
Naphthalene	91-20-3	ND	5.00	50.0	49.9	100	57 - 138	50.0	52.3	105	5	35
n-Butylbenzene	104-51-8	ND	5.00	50.0	50.0	100	69 - 134	50.0	50.2	100	0	30
n-Propylbenzene	103-65-1	ND	5.00	50.0	49.4	99	75 - 129	50.0	49.8	100	1	30
o-Xylene	95-47-6	ND	5.00	50.0	52.2	104	73 - 130	50.0	50.9	102	3	30
sec-Butylbenzene	135-98-8	ND	5.00	50.0	51.2	102	70 - 136	50.0	51.3	103	0	30
Styrene	100-42-5	ND	5.00	50.0	45.4	91	71 - 127	50.0	48.2	96	6	30
tert-Butyl methyl ether (MTBE)	1634-04-4	ND	5.00	50.0	47.5	95	71 - 125	50.0	48.5	97	2	30
tert-Butylbenzene	98-06-6	ND	5.00	50.0	48.9	98	72 - 126	50.0	49.4	99	1	30
Tetrachloroethene	127-18-4	ND	5.00	50.0	51.0	102	68 - 128	50.0	49.1	98	4	30
Toluene	108-88-3	ND	5.00	50.0	45.7	91	72 - 120	50.0	45.2	90	1	20
trans-1,2-Dichloroethene	156-60-5	ND	5.00	50.0	48.5	97	69 - 132	50.0	47.4	95	2	30
trans-1,3-Dichloropropene	10061-02-6	ND	5.00	50.0	49.8	100	71 - 131	50.0	49.7	99	0	30
trans-1,4-Dichloro-2-butene	110-57-6	ND	5.00	50.0	48.2	96	56 - 132	50.0	53.5	107	10	30
Trichloroethene	79-01-6	ND	5.00	50.0	49.5	99	76 - 129	50.0	49.1	98	1	20
Trichlorofluoromethane	75-69-4	ND	5.00	50.0	47.8	96	72 - 136	50.0	46.9	94	2	30
Trichlorotrifluoroethane	76-13-1	ND	5.00	50.0	46.6	93	72 - 136	50.0	43.9	88	6	30
Vinyl chloride	75-01-4	ND	5.00	50.0	44.5	89	68 - 132	50.0	44.0	88	1	30
Xylene (total)	1330-20-7	ND	15.0	150	152	101	74 - 127	150	149	99	2	30
Surrogate												
1,2-Dichloroethane-d4	17060-07-0	49.6	99	50	49.3	99	71 - 127	50	49.9	100	1	NA
4-Bromofluorobenzene	460-00-4	52.1	104	50	52.1	104	78 - 130	50	52.7	105	1	NA
Dibromofluoromethane	1868-53-7	51.5	103	50	50.8	102	77 - 127	50	51.1	102	1	NA
Toluene d8	2037-26-5	50	100	50	50.1	100	76 - 134	50	50.1	100	0	NA

Analytical Batch 547999	Client ID	MB547999		LCS547999				LCSD547999				
	GCAL ID	1394666		1394667				1394668				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	12/26/2014 14:24		12/26/2014 12:45				12/26/2014 13:06				
	Matrix	Water		Water				Water				
EPA 8260B		Units Result	ug/L LOQ	Spike Added	Result	%R	Control Limits%R	Spike Added	Result	%R	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	630-20-6	ND	5.00	50.0	52.9	106	75 - 124	50.0	52.1	104	2	30
1,1,1-Trichloroethane	71-55-6	ND	5.00	50.0	47.2	94	76 - 126	50.0	46.8	94	1	30
1,1,2,2-Tetrachloroethane	79-34-5	ND	5.00	50.0	43.4	87	70 - 122	50.0	45.2	90	4	30
1,1,2-Trichloroethane	79-00-5	ND	5.00	50.0	49.2	98	72 - 121	50.0	48.8	98	1	30
1,1-Dichloroethane	75-34-3	ND	5.00	50.0	44.0	88	74 - 127	50.0	43.5	87	1	30
1,1-Dichloroethene	75-35-4	ND	5.00	50.0	51.6	103	69 - 129	50.0	51.6	103	0	20

GC/MS Volatiles Quality Control Summary

Analytical Batch 547999	Client ID	MB547999		LCS547999				LCSD547999				
	GCAL ID	1394666		1394667				1394668				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	12/26/2014 14:24		12/26/2014 12:45				12/26/2014 13:06				
	Matrix	Water		Water				Water				
EPA 8260B		Units Result	ug/L LOQ	Spike Added	Result	%R	Control Limits%R	Spike Added	Result	%R	RPD	RPD Limit
1,1-Dichloropropene	563-58-6	ND	5.00	50.0	45.0	90	72 - 131	50.0	44.4	89	1	30
1,2,3-Trichloropropane	96-18-4	ND	5.00	50.0	42.4	85	70 - 120	50.0	42.1	84	1	30
1,2,4-Trichlorobenzene	120-82-1	ND	5.00	50.0	55.5	111	61 - 135	50.0	52.8	106	5	30
1,2,4-Trimethylbenzene	95-63-6	ND	5.00	50.0	52.1	104	74 - 125	50.0	49.9	100	4	30
1,2-Dibromo-3-chloropropane	96-12-8	ND	5.00	50.0	48.1	96	57 - 121	50.0	49.1	98	2	30
1,2-Dibromoethane	106-93-4	ND	5.00	50.0	51.9	104	70 - 124	50.0	51.6	103	1	30
1,2-Dichlorobenzene	95-50-1	ND	5.00	50.0	50.4	101	71 - 126	50.0	49.2	98	2	30
1,2-Dichloroethane	107-06-2	ND	5.00	50.0	44.9	90	71 - 129	50.0	44.5	89	1	30
1,2-Dichloroethene(Total)	540-59-0	ND	10.0	100	88.2	88	74 - 128	100	86.0	86	3	30
1,2-Dichloropropane	78-87-5	ND	5.00	50.0	45.0	90	72 - 128	50.0	44.2	88	2	30
1,3,5-Trimethylbenzene	108-67-8	ND	5.00	50.0	50.3	101	71 - 132	50.0	48.1	96	4	30
1,3-Dichlorobenzene	541-73-1	ND	5.00	50.0	49.9	100	74 - 126	50.0	48.3	97	3	30
1,3-Dichloropropane	142-28-9	ND	5.00	50.0	49.5	99	74 - 122	50.0	49.9	100	1	30
1,4-Dichlorobenzene	106-46-7	ND	5.00	50.0	50.6	101	72 - 122	50.0	48.8	98	4	30
2,2-Dichloropropane	594-20-7	ND	5.00	50.0	47.6	95	77 - 124	50.0	45.3	91	5	30
2-Butanone	78-93-3	ND	5.00	50.0	50.1	100	58 - 137	50.0	53.2	106	6	30
2-Chlorotoluene	95-49-8	ND	5.00	50.0	46.8	94	72 - 127	50.0	45.1	90	4	30
2-Hexanone	591-78-6	ND	5.00	50.0	54.8	110	50 - 135	50.0	58.7	117	7	30
4-Chlorotoluene	106-43-4	ND	5.00	50.0	49.5	99	75 - 126	50.0	47.0	94	5	30
4-Isopropyltoluene	99-87-6	ND	5.00	50.0	55.0	110	71 - 129	50.0	51.4	103	7	30
4-Methyl-2-pentanone	108-10-1	ND	5.00	50.0	45.8	92	57 - 132	50.0	47.2	94	3	30
Acetone	67-64-1	ND	5.00	50.0	58.8	118	44 - 156	50.0	66.3	133	12	30
Benzene	71-43-2	ND	5.00	50.0	45.6	91	70 - 129	50.0	44.7	89	2	20
Bromobenzene	108-86-1	ND	5.00	50.0	46.8	94	71 - 120	50.0	45.3	91	3	30
Bromochloromethane	74-97-5	ND	5.00	50.0	51.1	102	76 - 130	50.0	51.2	102	0	30
Bromodichloromethane	75-27-4	ND	5.00	50.0	47.7	95	74 - 125	50.0	47.7	95	0	30
Bromoform	75-25-2	ND	5.00	50.0	55.5	111	64 - 122	50.0	56.0	112	1	30
Bromomethane	74-83-9	ND	5.00	50.0	59.0	118	47 - 138	50.0	58.1	116	2	30
Carbon disulfide	75-15-0	ND	5.00	50.0	51.9	104	69 - 136	50.0	50.7	101	2	30
Carbon tetrachloride	56-23-5	ND	5.00	50.0	48.5	97	76 - 128	50.0	48.3	97	0	30
Chlorobenzene	108-90-7	ND	5.00	50.0	54.7	109	74 - 123	50.0	51.9	104	5	20
Chloroethane	75-00-3	ND	5.00	50.0	50.1	100	62 - 141	50.0	49.5	99	1	30
Chloroform	67-66-3	ND	5.00	50.0	46.4	93	75 - 122	50.0	46.6	93	0	30
Chloromethane	74-87-3	ND	5.00	50.0	43.1	86	59 - 132	50.0	41.3	83	4	30
cis-1,2-Dichloroethene	156-59-2	ND	5.00	50.0	44.2	88	73 - 130	50.0	42.7	85	3	30
cis-1,3-Dichloropropene	10061-01-5	ND	5.00	50.0	49.1	98	71 - 132	50.0	49.4	99	1	30
Dibromochloromethane	124-48-1	ND	5.00	50.0	54.0	108	71 - 123	50.0	52.6	105	3	30
Dibromomethane	74-95-3	ND	5.00	50.0	47.0	94	72 - 129	50.0	46.2	92	2	30
Dichlorodifluoromethane	75-71-8	ND	5.00	50.0	57.1	114	58 - 140	50.0	55.5	111	3	30
Ethylbenzene	100-41-4	ND	5.00	50.0	50.9	102	74 - 126	50.0	48.5	97	5	30
Hexachlorobutadiene	87-68-3	ND	5.00	50.0	56.7	113	61 - 144	50.0	52.1	104	8	30
Isopropylbenzene (Cumene)	98-82-8	ND	5.00	50.0	57.0	114	71 - 125	50.0	55.0	110	4	30
m,p-Xylene	136777-61-2	ND	10.0	100	104	104	74 - 126	100	101	101	3	30
Methyl iodide	74-88-4	ND	5.00	50.0	56.3	113	57 - 141	50.0	55.6	111	1	30
Methylene chloride	75-09-2	ND	5.00	50.0	39.1	78	68 - 132	50.0	39.1	78	0	30
Naphthalene	91-20-3	ND	5.00	50.0	49.1	98	57 - 138	50.0	51.3	103	4	35
n-Butylbenzene	104-51-8	ND	5.00	50.0	47.7	95	69 - 134	50.0	46.1	92	3	30
n-Propylbenzene	103-65-1	ND	5.00	50.0	47.5	95	75 - 129	50.0	45.0	90	5	30
o-Xylene	95-47-6	ND	5.00	50.0	55.4	111	73 - 130	50.0	54.5	109	2	30
sec-Butylbenzene	135-98-8	ND	5.00	50.0	51.1	102	70 - 136	50.0	48.1	96	6	30
Styrene	100-42-5	ND	5.00	50.0	58.0	116	71 - 127	50.0	54.6	109	6	30
tert-Butyl methyl ether (MTBE)	1634-04-4	ND	5.00	50.0	46.2	92	71 - 125	50.0	46.6	93	1	30
tert-Butylbenzene	98-06-6	ND	5.00	50.0	50.4	101	72 - 126	50.0	47.9	96	5	30
Tetrachloroethene	127-18-4	ND	5.00	50.0	55.4	111	68 - 128	50.0	52.6	105	5	30
Toluene	108-88-3	ND	5.00	50.0	52.1	104	72 - 120	50.0	49.0	98	6	20
trans-1,2-Dichloroethene	156-60-5	ND	5.00	50.0	44.1	88	69 - 132	50.0	43.4	87	2	30
trans-1,3-Dichloropropene	10061-02-6	ND	5.00	50.0	49.8	100	71 - 131	50.0	49.5	99	1	30
trans-1,4-Dichloro-2-butene	110-57-6	ND	5.00	50.0	47.2	94	56 - 132	50.0	48.0	96	2	30

GC/MS Volatiles Quality Control Summary

Analytical Batch 547999	Client ID	MB547999		LCS547999				LCSD547999				
	GCAL ID	1394666		1394667				1394668				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	12/26/2014 14:24		12/26/2014 12:45				12/26/2014 13:06				
	Matrix	Water		Water				Water				
EPA 8260B		Units Result	ug/L LOQ	Spike Added	Result	%R	Control Limits%R	Spike Added	Result	%R	RPD	RPD Limit
Trichloroethene	79-01-6	ND	5.00	50.0	51.6	103	76 - 129	50.0	50.1	100	3	20
Trichlorofluoromethane	75-69-4	ND	5.00	50.0	51.9	104	72 - 136	50.0	51.8	104	0	30
Trichlorotrifluoroethane	76-13-1	ND	5.00	50.0	58.9	118	72 - 136	50.0	56.0	112	5	30
Vinyl chloride	75-01-4	ND	5.00	50.0	41.3	83	68 - 132	50.0	40.5	81	2	30
Xylene (total)	1330-20-7	ND	15.0	150	160	107	74 - 127	150	155	103	3	30
Surrogate												
1,2-Dichloroethane-d4	17060-07-0	46.7	93	50	46.2	92	71 - 127	50	46	92	0	NA
4-Bromofluorobenzene	460-00-4	55.4	111	50	57	114	78 - 130	50	56.4	113	1	NA
Dibromofluoromethane	1868-53-7	50.1	100	50	49.5	99	77 - 127	50	50.7	101	2	NA
Toluene d8	2037-26-5	51.9	104	50	50.5	101	76 - 134	50	51.3	103	2	NA

GCAL ANALYTICAL LABORATORIES, LLC

CHAIN OF CUSTODY RECORD

7979 GSRI Ave., Baton Rouge, LA 70820-7402
Phone: 225.769.4900 • Fax: 225.767.5717 • www.gcal.com

Client ID: 4642 - Sage Environmental
SDG: 214122208
Due Date: 12/24/14

Report to:
Client: SAGE Environmental Consulting
Address: 600 Chastain Rd NW
Ste 320 Kennesaw GA 30144
Contact: Jack Wittle
Phone: 678-431-0130
E-mail: Jack.wittle@sageenvironmental.com

Bill to:
Client: SAME
Address:
Contact:
Phone:
E-mail:

P.O. Number: 1221-1-4
Project Name/Number: Rayloc Quarterly GW Sampling / 1221-1-4
Sampled By: Matthew Howe

Analytical Requests & Method: EPA Method 8260B

GCAL use only:
Custody Seal used ☑ yes ☐ no
intact ☑ yes ☐ no
Temperature °C 3.0 E24

☐ Dissolved Analysis Requested
☐ Field filtered
☐ Lab filtered

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	No Containers	HCL	Preservative
W	12/17/14	0908		X	MW-23 @ 60'	3	X	1
		1018			MW-22 @ 60'			2
		1115			MW-21 @ 60'			3
		1240			MW-12 @ 60'			4
		1346			MW-24 @ 30'			5
		1448			MW-7 @ 30'			6
	12/18/14	0941			MW-17 @ 25'			7
		1041			MW-19 @ 30'			8
		1128			MW-15 @ 30'			9
		1249			MW-20 @ 60'			10
		1355			PT-3 @ 60'			11
					Trip Blank			12

Air Bill No: 7723 2753 4157

Turn Around Time (Business Days): ☐ 24h* ☐ 48h* ☐ 3 days* ☐ 1 week* ☑ Standard (Per Contract/Quote) FINAL REPORT 12/30

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
[signature]	12/18/14	8:16	[signature]	12/18/14	0816
[signature]			[signature]		
[signature]	12/20/14	1000	[signature]	12/20/14	1000

Note:

By submitting these samples, you agree to GCAL's terms and conditions contained in our most recent schedule of services.

Matrix[1]: W = water, S = solid, L = liquid, T = tissue

*Requires prior approval, rush charges may apply.

We cannot accept verbal changes. Please email written changes to your PM.

WHITE: CLIENT FINAL REPORT - CANARY: CLIENT

GCAL ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIVING CHECKLIST

214122208

SAMPLE DELIVERY GROUP 214122208

Client 4642 - Sage Environmental	**Transport Method** FEDEX
Profile Number 240745	**Received By** Saucier, Charlotte M.
Line Item(s) 1 - VOC	**Receive Date(s)** 12/20/14

CHECKLIST

	YES	NO	NA
Were all samples received using proper thermal preservation?	☑	☐	☐
When used, were all custody seals intact?	☑	☐	☐
Were all samples received in proper containers?	☑	☐	☐
Were all samples received using proper chemical preservation?	☑	☐	☐
Was preservative added to any container at the lab?	☐	☑	☐
Were all containers received in good condition?	☑	☐	☐
Were all VOA vials received with no head space?	☑	☐	☐
Do all sample labels match the Chain of Custody?	☑	☐	☐
Did the Chain of Custody list the sampling technician?	☑	☐	☐
Was the COC maintained i.e. all signatures, dates and time of receipt included?	☑	☑ SAK	☐

COOLERS

Airbill	Thermometer ID: E24	Temp(°C)
7723 2753 4152		3.0

DISCREPANCIES

None

LAB PRESERVATIONS

None

NOTES

Revision 1.4

Page 1 of 1

GCAL
ANALYTICAL LABORATORIES, LLC

NELAP CERTIFICATE NUMBER: 01955
DOD ELAP CERTIFICATE NUMBER: L14-243

ANALYTICAL RESULTS

PERFORMED BY

GCAL, LLC
7979 Innovation Park Dr.
Baton Rouge, LA 70820

Report Date 04/06/2015

GCAL Report 215033147

Deliver To	Clearwater Env. Resources Peachtree Industrial blvd Duluth, GA 30096 678-491-4601
Attn	Jack Wintle

Project Rayloc GW

PJLA Testing DoD ELAP

ISO 17025

NELAP ACCREDITED TNI LABORATORY

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations that may be Utilized in this Report

ND	Indicates the result was Not Detected at the specified reporting limit
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
MDL	Method Detection Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
RE	Re-analysis
DL	Dilution
N	Metals Matrix Spike or Matrix Spike Duplicate Recovery is outside control limits
00:00	Reported as a time equivalent to 12:00 AM

Reporting Flags that may be Utilized in this Report

J or I	Indicates the result is between the MDL and LOQ
U	Indicates the compound was analyzed for but not detected
B	Indicates the analyte was detected in the associated Method Blank
Q	Indicates a non-compliant QC Result (See Q Flag Application Report)
*	Indicates a non-compliant or not applicable QC recovery or RPD

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the NELAC standard and terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Estimated uncertainty of measurement is available upon request. This report is in compliance with the DOD QSM as specified in the contract if applicable.

Authorized Signature
GCAL Report 215033147

Case Narrative

Client: General Accounts **Report:** 215033147

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the Report Sample Summary page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

VOLATILES MASS SPECTROMETRY

In the EPA 8260B analysis, samples 21503314704 (MW-19 @30), 21503314705 (MW-12 @60), 21503314706 (PT-3 @60), 21503314707 (MW-20@60), 21503314708 (MW-21@60), 21503314709 (MW-22@60) and 21503314710 (MW-23@60) had to be diluted due to the presence of non-target background and/or to bracket the concentration of target compounds within the calibration range of the instrument. The dilution is reflected in elevated reporting limits.

In the EPA 8260B analysis for analytical batch 555396, the LCS/LCSD exhibited a marginal sporadic recovery failure for the extended list of spike compounds.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21503314701	MW-7 @30	Water	03/26/2015 09:06	03/31/2015 10:00
21503314702	MW-15 @30	Water	03/26/2015 11:16	03/31/2015 10:00
21503314703	MW-17 @25	Water	03/26/2015 10:40	03/31/2015 10:00
21503314704	MW-19 @30	Water	03/26/2015 10:01	03/31/2015 10:00
21503314705	MW-12 @60	Water	03/26/2015 14:45	03/31/2015 10:00
21503314706	PT-3 @60	Water	03/26/2015 12:41	03/31/2015 10:00
21503314707	MW-20@60	Water	03/26/2015 13:18	03/31/2015 10:00
21503314708	MW-21@60	Water	03/27/2015 14:42	03/31/2015 10:00
21503314709	MW-22@60	Water	03/27/2015 14:06	03/31/2015 10:00
21503314710	MW-23@60	Water	03/27/2015 13:24	03/31/2015 10:00
21503314711	MW-24@30	Water	03/26/2015 15:25	03/31/2015 10:00

Summary of Compounds Detected

MW-7 @30

Collect Date	03/26/2015 09:06	**GCAL ID**	21503314701
Receive Date	03/31/2015 10:00	**Matrix**	Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
127-18-4	Tetrachloroethene	6.31	5.00	ug/L

MW-17 @25

Collect Date	03/26/2015 10:40	**GCAL ID**	21503314703
Receive Date	03/31/2015 10:00	**Matrix**	Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	53.9	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	53.9	5.00	ug/L
75-01-4	Vinyl chloride	6.68	5.00	ug/L

MW-19 @30

Collect Date	03/26/2015 10:01	**GCAL ID**	21503314704
Receive Date	03/31/2015 10:00	**Matrix**	Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	362	20.0	ug/L
156-59-2	cis-1,2-Dichloroethene	361	10.0	ug/L
127-18-4	Tetrachloroethene	969	100	ug/L
79-01-6	Trichloroethene	161	10.0	ug/L

MW-12 @60

Collect Date	03/26/2015 14:45	**GCAL ID**	21503314705
Receive Date	03/31/2015 10:00	**Matrix**	Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	34.3	20.0	ug/L
156-59-2	cis-1,2-Dichloroethene	34.3	10.0	ug/L
127-18-4	Tetrachloroethene	901	100	ug/L

PT-3 @60

Collect Date	03/26/2015 12:41	**GCAL ID**	21503314706
Receive Date	03/31/2015 10:00	**Matrix**	Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	27300	5000	ug/L

Summary of Compounds Detected

PT-3 @60

Collect Date 03/26/2015 12:41 **GCAL ID** 21503314706
Receive Date 03/31/2015 10:00 **Matrix** Water

EPA 8260B (Continued)

CAS#	Parameter	Result	LOQ	Units
67-64-1	Acetone	1460	250	ug/L
156-59-2	cis-1,2-Dichloroethene	27300	2500	ug/L
127-18-4	Tetrachloroethene	5140	250	ug/L
79-01-6	Trichloroethene	895	250	ug/L

MW-20@60

Collect Date 03/26/2015 13:18 **GCAL ID** 21503314707
Receive Date 03/31/2015 10:00 **Matrix** Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	1350	50.0	ug/L
156-59-2	cis-1,2-Dichloroethene	1380	100	ug/L
127-18-4	Tetrachloroethene	2070	100	ug/L
79-01-6	Trichloroethene	248	25.0	ug/L

MW-21@60

Collect Date 03/27/2015 14:42 **GCAL ID** 21503314708
Receive Date 03/31/2015 10:00 **Matrix** Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
127-18-4	Tetrachloroethene	7680	250	ug/L
79-01-6	Trichloroethene	81.1	50.0	ug/L

MW-22@60

Collect Date 03/27/2015 14:06 **GCAL ID** 21503314709
Receive Date 03/31/2015 10:00 **Matrix** Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	4600	500	ug/L
156-59-2	cis-1,2-Dichloroethene	4600	250	ug/L
127-18-4	Tetrachloroethene	921	50.0	ug/L
79-01-6	Trichloroethene	357	50.0	ug/L

Summary of Compounds Detected

MW-23@60

Collect Date 03/27/2015 13:24 **GCAL ID** 21503314710
Receive Date 03/31/2015 10:00 **Matrix** Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	3220	400	ug/L
156-59-2	cis-1,2-Dichloroethene	3220	200	ug/L
127-18-4	Tetrachloroethene	2160	200	ug/L
79-01-6	Trichloroethene	476	25.0	ug/L

MW-24@30

Collect Date 03/26/2015 15:25 **GCAL ID** 21503314711
Receive Date 03/31/2015 10:00 **Matrix** Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	602	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	599	5.00	ug/L
127-18-4	Tetrachloroethene	392	5.00	ug/L
79-01-6	Trichloroethene	116	5.00	ug/L

Sample Results

MW-7 @30	Collect Date	03/26/2015 09:06	GCAL ID	21503314701
	Receive Date	03/31/2015 10:00	Matrix	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	04/02/2015 02:47	LBH	555396

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	ND	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	ND	5.00	ug/L
75-34-3	1,1-Dichloroethane	ND	5.00	ug/L
75-35-4	1,1-Dichloroethene	ND	5.00	ug/L
563-58-6	1,1-Dichloropropene	ND	5.00	ug/L
96-18-4	1,2,3-Trichloropropane	ND	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	5.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	5.00	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.00	ug/L
106-93-4	1,2-Dibromoethane	ND	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	ND	5.00	ug/L
107-06-2	1,2-Dichloroethane	ND	5.00	ug/L
540-59-0	1,2-Dichloroethene(Total)	ND	10.0	ug/L
78-87-5	1,2-Dichloropropane	ND	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	ND	5.00	ug/L
142-28-9	1,3-Dichloropropane	ND	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	ND	5.00	ug/L
594-20-7	2,2-Dichloropropane	ND	5.00	ug/L
78-93-3	2-Butanone	ND	5.00	ug/L
95-49-8	2-Chlorotoluene	ND	5.00	ug/L
591-78-6	2-Hexanone	ND	5.00	ug/L
106-43-4	4-Chlorotoluene	ND	5.00	ug/L
99-87-6	4-Isopropyltoluene	ND	5.00	ug/L
108-10-1	4-Methyl-2-pentanone	ND	5.00	ug/L
67-64-1	Acetone	ND	5.00	ug/L
71-43-2	Benzene	ND	5.00	ug/L
108-86-1	Bromobenzene	ND	5.00	ug/L
74-97-5	Bromochloromethane	ND	5.00	ug/L
75-27-4	Bromodichloromethane	ND	5.00	ug/L
75-25-2	Bromoform	ND	5.00	ug/L
74-83-9	Bromomethane	ND	5.00	ug/L
75-15-0	Carbon disulfide	ND	5.00	ug/L
56-23-5	Carbon tetrachloride	ND	5.00	ug/L
108-90-7	Chlorobenzene	ND	5.00	ug/L
75-00-3	Chloroethane	ND	5.00	ug/L
67-66-3	Chloroform	ND	5.00	ug/L
74-87-3	Chloromethane	ND	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	ND	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	5.00	ug/L
124-48-1	Dibromochloromethane	ND	5.00	ug/L
74-95-3	Dibromomethane	ND	5.00	ug/L
75-71-8	Dichlorodifluoromethane	ND	5.00	ug/L
100-41-4	Ethylbenzene	ND	5.00	ug/L
87-68-3	Hexachlorobutadiene	ND	5.00	ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	5.00	ug/L
136777-61-2	m,p-Xylene	ND	10.0	ug/L
74-88-4	Methyl iodide	ND	5.00	ug/L
75-09-2	Methylene chloride	ND	5.00	ug/L
91-20-3	Naphthalene	ND	5.00	ug/L
104-51-8	n-Butylbenzene	ND	5.00	ug/L

Sample Results

MW-7 @30

Collect Date	03/26/2015 09:06	**GCAL ID**	21503314701
Receive Date	03/31/2015 10:00	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	04/02/2015 02:47	LBH	555396

CAS#	Parameter	Result	LOQ	Units
103-65-1	n-Propylbenzene	ND	5.00	ug/L
95-47-6	o-Xylene	ND	5.00	ug/L
135-98-8	sec-Butylbenzene	ND	5.00	ug/L
100-42-5	Styrene	ND	5.00	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	5.00	ug/L
98-06-6	tert-Butylbenzene	ND	5.00	ug/L
127-18-4	**Tetrachloroethene**	**6.31**	**5.00**	**ug/L**
108-88-3	Toluene	ND	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	5.00	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.00	ug/L
79-01-6	Trichloroethene	ND	5.00	ug/L
75-69-4	Trichlorofluoromethane	ND	5.00	ug/L
76-13-1	Trichlorotrifluoroethane	ND	5.00	ug/L
75-01-4	Vinyl chloride	ND	5.00	ug/L
1330-20-7	Xylene (total)	ND	15.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	50.6	ug/L	101	78 - 130
1868-53-7	Dibromofluoromethane	50	53	ug/L	106	77 - 127
2037-26-5	Toluene d8	50	51.5	ug/L	103	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	52	ug/L	104	71 - 127

MW-15 @30

Collect Date	03/26/2015 11:16	**GCAL ID**	21503314702
Receive Date	03/31/2015 10:00	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	04/01/2015 19:48	TJB	555377

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	ND	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	ND	5.00	ug/L
75-34-3	1,1-Dichloroethane	ND	5.00	ug/L
75-35-4	1,1-Dichloroethene	ND	5.00	ug/L
563-58-6	1,1-Dichloropropene	ND	5.00	ug/L
96-18-4	1,2,3-Trichloropropane	ND	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	5.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	5.00	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.00	ug/L
106-93-4	1,2-Dibromoethane	ND	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	ND	5.00	ug/L
107-06-2	1,2-Dichloroethane	ND	5.00	ug/L
540-59-0	1,2-Dichloroethene(Total)	ND	10.0	ug/L
78-87-5	1,2-Dichloropropane	ND	5.00	ug/L

Sample Results

MW-15 @30	Collect Date	03/26/2015 11:16	GCAL ID	21503314702
	Receive Date	03/31/2015 10:00	Matrix	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	04/01/2015 19:48	TJB	555377

CAS#	Parameter	Result	LOQ	Units
108-67-8	1,3,5-Trimethylbenzene	ND	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	ND	5.00	ug/L
142-28-9	1,3-Dichloropropane	ND	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	ND	5.00	ug/L
594-20-7	2,2-Dichloropropane	ND	5.00	ug/L
78-93-3	2-Butanone	ND	5.00	ug/L
95-49-8	2-Chlorotoluene	ND	5.00	ug/L
591-78-6	2-Hexanone	ND	5.00	ug/L
106-43-4	4-Chlorotoluene	ND	5.00	ug/L
99-87-6	4-Isopropyltoluene	ND	5.00	ug/L
108-10-1	4-Methyl-2-pentanone	ND	5.00	ug/L
67-64-1	Acetone	ND	5.00	ug/L
71-43-2	Benzene	ND	5.00	ug/L
108-86-1	Bromobenzene	ND	5.00	ug/L
74-97-5	Bromochloromethane	ND	5.00	ug/L
75-27-4	Bromodichloromethane	ND	5.00	ug/L
75-25-2	Bromoform	ND	5.00	ug/L
74-83-9	Bromomethane	ND	5.00	ug/L
75-15-0	Carbon disulfide	ND	5.00	ug/L
56-23-5	Carbon tetrachloride	ND	5.00	ug/L
108-90-7	Chlorobenzene	ND	5.00	ug/L
75-00-3	Chloroethane	ND	5.00	ug/L
67-66-3	Chloroform	ND	5.00	ug/L
74-87-3	Chloromethane	ND	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	ND	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	5.00	ug/L
124-48-1	Dibromochloromethane	ND	5.00	ug/L
74-95-3	Dibromomethane	ND	5.00	ug/L
75-71-8	Dichlorodifluoromethane	ND	5.00	ug/L
100-41-4	Ethylbenzene	ND	5.00	ug/L
87-68-3	Hexachlorobutadiene	ND	5.00	ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	5.00	ug/L
136777-61-2	m,p-Xylene	ND	10.0	ug/L
74-88-4	Methyl iodide	ND	5.00	ug/L
75-09-2	Methylene chloride	ND	5.00	ug/L
91-20-3	Naphthalene	ND	5.00	ug/L
104-51-8	n-Butylbenzene	ND	5.00	ug/L
103-65-1	n-Propylbenzene	ND	5.00	ug/L
95-47-6	o-Xylene	ND	5.00	ug/L
135-98-8	sec-Butylbenzene	ND	5.00	ug/L
100-42-5	Styrene	ND	5.00	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	5.00	ug/L
98-06-6	tert-Butylbenzene	ND	5.00	ug/L
127-18-4	Tetrachloroethene	ND	5.00	ug/L
108-88-3	Toluene	ND	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	5.00	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.00	ug/L
79-01-6	Trichloroethene	ND	5.00	ug/L
75-69-4	Trichlorofluoromethane	ND	5.00	ug/L
76-13-1	Trichlorotrifluoroethane	ND	5.00	ug/L
75-01-4	Vinyl chloride	ND	5.00	ug/L

Sample Results

MW-15 @30

Collect Date	03/26/2015 11:16	**GCAL ID**	21503314702
Receive Date	03/31/2015 10:00	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	04/01/2015 19:48	TJB	555377

CAS#	Parameter	Result	LOQ	Units
1330-20-7	Xylene (total)	ND	15.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	50.7	ug/L	101	78 - 130
1868-53-7	Dibromofluoromethane	50	50.6	ug/L	101	77 - 127
2037-26-5	Toluene d8	50	50.9	ug/L	102	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	52.3	ug/L	105	71 - 127

MW-17 @25

Collect Date	03/26/2015 10:40	**GCAL ID**	21503314703
Receive Date	03/31/2015 10:00	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	04/01/2015 20:07	TJB	555377

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	ND	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	ND	5.00	ug/L
75-34-3	1,1-Dichloroethane	ND	5.00	ug/L
75-35-4	1,1-Dichloroethene	ND	5.00	ug/L
563-58-6	1,1-Dichloropropene	ND	5.00	ug/L
96-18-4	1,2,3-Trichloropropane	ND	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	5.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	5.00	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.00	ug/L
106-93-4	1,2-Dibromoethane	ND	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	ND	5.00	ug/L
107-06-2	1,2-Dichloroethane	ND	5.00	ug/L
540-59-0	**1,2-Dichloroethene(Total)**	**53.9**	**10.0**	**ug/L**
78-87-5	1,2-Dichloropropane	ND	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	ND	5.00	ug/L
142-28-9	1,3-Dichloropropane	ND	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	ND	5.00	ug/L
594-20-7	2,2-Dichloropropane	ND	5.00	ug/L
78-93-3	2-Butanone	ND	5.00	ug/L
95-49-8	2-Chlorotoluene	ND	5.00	ug/L
591-78-6	2-Hexanone	ND	5.00	ug/L
106-43-4	4-Chlorotoluene	ND	5.00	ug/L
99-87-6	4-Isopropyltoluene	ND	5.00	ug/L
108-10-1	4-Methyl-2-pentanone	ND	5.00	ug/L
67-64-1	Acetone	ND	5.00	ug/L
71-43-2	Benzene	ND	5.00	ug/L
108-86-1	Bromobenzene	ND	5.00	ug/L
74-97-5	Bromochloromethane	ND	5.00	ug/L

Sample Results

MW-17 @25	Collect Date	03/26/2015 10:40	GCAL ID	21503314703
	Receive Date	03/31/2015 10:00	Matrix	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	04/01/2015 20:07	TJB	555377

CAS#	Parameter	Result	LOQ	Units
75-27-4	Bromodichloromethane	ND	5.00	ug/L
75-25-2	Bromoform	ND	5.00	ug/L
74-83-9	Bromomethane	ND	5.00	ug/L
75-15-0	Carbon disulfide	ND	5.00	ug/L
56-23-5	Carbon tetrachloride	ND	5.00	ug/L
108-90-7	Chlorobenzene	ND	5.00	ug/L
75-00-3	Chloroethane	ND	5.00	ug/L
67-66-3	Chloroform	ND	5.00	ug/L
74-87-3	Chloromethane	ND	5.00	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**53.9**	**5.00**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	ND	5.00	ug/L
124-48-1	Dibromochloromethane	ND	5.00	ug/L
74-95-3	Dibromomethane	ND	5.00	ug/L
75-71-8	Dichlorodifluoromethane	ND	5.00	ug/L
100-41-4	Ethylbenzene	ND	5.00	ug/L
87-68-3	Hexachlorobutadiene	ND	5.00	ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	5.00	ug/L
136777-61-2	m,p-Xylene	ND	10.0	ug/L
74-88-4	Methyl iodide	ND	5.00	ug/L
75-09-2	Methylene chloride	ND	5.00	ug/L
91-20-3	Naphthalene	ND	5.00	ug/L
104-51-8	n-Butylbenzene	ND	5.00	ug/L
103-65-1	n-Propylbenzene	ND	5.00	ug/L
95-47-6	o-Xylene	ND	5.00	ug/L
135-98-8	sec-Butylbenzene	ND	5.00	ug/L
100-42-5	Styrene	ND	5.00	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	5.00	ug/L
98-06-6	tert-Butylbenzene	ND	5.00	ug/L
127-18-4	Tetrachloroethene	ND	5.00	ug/L
108-88-3	Toluene	ND	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	5.00	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.00	ug/L
79-01-6	Trichloroethene	ND	5.00	ug/L
75-69-4	Trichlorofluoromethane	ND	5.00	ug/L
76-13-1	Trichlorotrifluoroethane	ND	5.00	ug/L
75-01-4	**Vinyl chloride**	**6.68**	**5.00**	**ug/L**
1330-20-7	Xylene (total)	ND	15.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	49.4	ug/L	99	78 - 130
1868-53-7	Dibromofluoromethane	50	50.6	ug/L	101	77 - 127
2037-26-5	Toluene d8	50	51.1	ug/L	102	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	52.1	ug/L	104	71 - 127

Sample Results

MW-19 @30	Collect Date	03/26/2015 10:01	GCAL ID	21503314704
	Receive Date	03/31/2015 10:00	Matrix	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	2	04/01/2015 20:46	TJB	555377

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	ND	10.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	10.0	ug/L
79-00-5	1,1,2-Trichloroethane	ND	10.0	ug/L
75-34-3	1,1-Dichloroethane	ND	10.0	ug/L
75-35-4	1,1-Dichloroethene	ND	10.0	ug/L
563-58-6	1,1-Dichloropropene	ND	10.0	ug/L
96-18-4	1,2,3-Trichloropropane	ND	10.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	10.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	10.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	10.0	ug/L
106-93-4	1,2-Dibromoethane	ND	10.0	ug/L
95-50-1	1,2-Dichlorobenzene	ND	10.0	ug/L
107-06-2	1,2-Dichloroethane	ND	10.0	ug/L
540-59-0	**1,2-Dichloroethene(Total)**	**362**	**20.0**	**ug/L**
78-87-5	1,2-Dichloropropane	ND	10.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	10.0	ug/L
541-73-1	1,3-Dichlorobenzene	ND	10.0	ug/L
142-28-9	1,3-Dichloropropane	ND	10.0	ug/L
106-46-7	1,4-Dichlorobenzene	ND	10.0	ug/L
594-20-7	2,2-Dichloropropane	ND	10.0	ug/L
78-93-3	2-Butanone	ND	10.0	ug/L
95-49-8	2-Chlorotoluene	ND	10.0	ug/L
591-78-6	2-Hexanone	ND	10.0	ug/L
106-43-4	4-Chlorotoluene	ND	10.0	ug/L
99-87-6	4-Isopropyltoluene	ND	10.0	ug/L
108-10-1	4-Methyl-2-pentanone	ND	10.0	ug/L
67-64-1	Acetone	ND	10.0	ug/L
71-43-2	Benzene	ND	10.0	ug/L
108-86-1	Bromobenzene	ND	10.0	ug/L
74-97-5	Bromochloromethane	ND	10.0	ug/L
75-27-4	Bromodichloromethane	ND	10.0	ug/L
75-25-2	Bromoform	ND	10.0	ug/L
74-83-9	Bromomethane	ND	10.0	ug/L
75-15-0	Carbon disulfide	ND	10.0	ug/L
56-23-5	Carbon tetrachloride	ND	10.0	ug/L
108-90-7	Chlorobenzene	ND	10.0	ug/L
75-00-3	Chloroethane	ND	10.0	ug/L
67-66-3	Chloroform	ND	10.0	ug/L
74-87-3	Chloromethane	ND	10.0	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**361**	**10.0**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	ND	10.0	ug/L
124-48-1	Dibromochloromethane	ND	10.0	ug/L
74-95-3	Dibromomethane	ND	10.0	ug/L
75-71-8	Dichlorodifluoromethane	ND	10.0	ug/L
100-41-4	Ethylbenzene	ND	10.0	ug/L
87-68-3	Hexachlorobutadiene	ND	10.0	ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	10.0	ug/L
136777-61-2	m,p-Xylene	ND	20.0	ug/L
74-88-4	Methyl iodide	ND	10.0	ug/L
75-09-2	Methylene chloride	ND	10.0	ug/L
91-20-3	Naphthalene	ND	10.0	ug/L
104-51-8	n-Butylbenzene	ND	10.0	ug/L

Sample Results

MW-19 @30	Collect Date	03/26/2015 10:01	GCAL ID	21503314704
	Receive Date	03/31/2015 10:00	Matrix	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	2	04/01/2015 20:46	TJB	555377

CAS#	Parameter	Result	LOQ	Units
103-65-1	n-Propylbenzene	ND	10.0	ug/L
95-47-6	o-Xylene	ND	10.0	ug/L
135-98-8	sec-Butylbenzene	ND	10.0	ug/L
100-42-5	Styrene	ND	10.0	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	10.0	ug/L
98-06-6	tert-Butylbenzene	ND	10.0	ug/L
108-88-3	Toluene	ND	10.0	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	10.0	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	10.0	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	10.0	ug/L
79-01-6	**Trichloroethene**	**161**	**10.0**	**ug/L**
75-69-4	Trichlorofluoromethane	ND	10.0	ug/L
76-13-1	Trichlorotrifluoroethane	ND	10.0	ug/L
75-01-4	Vinyl chloride	ND	10.0	ug/L
1330-20-7	Xylene (total)	ND	30.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	100	97.9	ug/L	98	78 - 130
1868-53-7	Dibromofluoromethane	100	101	ug/L	101	77 - 127
2037-26-5	Toluene d8	100	101	ug/L	101	76 - 134
17060-07-0	1,2-Dichloroethane-d4	100	103	ug/L	103	71 - 127

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	20	04/01/2015 20:27	TJB	555377

CAS#	Parameter	Result	LOQ	Units
127-18-4	**Tetrachloroethene**	**969**	**100**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	1000	1010	ug/L	101	78 - 130
1868-53-7	Dibromofluoromethane	1000	1000	ug/L	100	77 - 127
2037-26-5	Toluene d8	1000	1040	ug/L	104	76 - 134
17060-07-0	1,2-Dichloroethane-d4	1000	1030	ug/L	103	71 - 127

Sample Results

MW-12 @60	Collect Date	03/26/2015 14:45	GCAL ID	21503314705
	Receive Date	03/31/2015 10:00	Matrix	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	2	04/01/2015 21:45	TJB	555377

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	ND	10.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	10.0	ug/L
79-00-5	1,1,2-Trichloroethane	ND	10.0	ug/L
75-34-3	1,1-Dichloroethane	ND	10.0	ug/L
75-35-4	1,1-Dichloroethene	ND	10.0	ug/L
563-58-6	1,1-Dichloropropene	ND	10.0	ug/L
96-18-4	1,2,3-Trichloropropane	ND	10.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	10.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	10.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	10.0	ug/L
106-93-4	1,2-Dibromoethane	ND	10.0	ug/L
95-50-1	1,2-Dichlorobenzene	ND	10.0	ug/L
107-06-2	1,2-Dichloroethane	ND	10.0	ug/L
540-59-0	**1,2-Dichloroethene(Total)**	**34.3**	**20.0**	**ug/L**
78-87-5	1,2-Dichloropropane	ND	10.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	10.0	ug/L
541-73-1	1,3-Dichlorobenzene	ND	10.0	ug/L
142-28-9	1,3-Dichloropropane	ND	10.0	ug/L
106-46-7	1,4-Dichlorobenzene	ND	10.0	ug/L
594-20-7	2,2-Dichloropropane	ND	10.0	ug/L
78-93-3	2-Butanone	ND	10.0	ug/L
95-49-8	2-Chlorotoluene	ND	10.0	ug/L
591-78-6	2-Hexanone	ND	10.0	ug/L
106-43-4	4-Chlorotoluene	ND	10.0	ug/L
99-87-6	4-Isopropyltoluene	ND	10.0	ug/L
108-10-1	4-Methyl-2-pentanone	ND	10.0	ug/L
67-64-1	Acetone	ND	10.0	ug/L
71-43-2	Benzene	ND	10.0	ug/L
108-86-1	Bromobenzene	ND	10.0	ug/L
74-97-5	Bromochloromethane	ND	10.0	ug/L
75-27-4	Bromodichloromethane	ND	10.0	ug/L
75-25-2	Bromoform	ND	10.0	ug/L
74-83-9	Bromomethane	ND	10.0	ug/L
75-15-0	Carbon disulfide	ND	10.0	ug/L
56-23-5	Carbon tetrachloride	ND	10.0	ug/L
108-90-7	Chlorobenzene	ND	10.0	ug/L
75-00-3	Chloroethane	ND	10.0	ug/L
67-66-3	Chloroform	ND	10.0	ug/L
74-87-3	Chloromethane	ND	10.0	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**34.3**	**10.0**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	ND	10.0	ug/L
124-48-1	Dibromochloromethane	ND	10.0	ug/L
74-95-3	Dibromomethane	ND	10.0	ug/L
75-71-8	Dichlorodifluoromethane	ND	10.0	ug/L
100-41-4	Ethylbenzene	ND	10.0	ug/L
87-68-3	Hexachlorobutadiene	ND	10.0	ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	10.0	ug/L
136777-61-2	m,p-Xylene	ND	20.0	ug/L
74-88-4	Methyl iodide	ND	10.0	ug/L
75-09-2	Methylene chloride	ND	10.0	ug/L
91-20-3	Naphthalene	ND	10.0	ug/L
104-51-8	n-Butylbenzene	ND	10.0	ug/L

Sample Results

MW-12 @60	Collect Date	03/26/2015 14:45	GCAL ID	21503314705
	Receive Date	03/31/2015 10:00	Matrix	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	2	04/01/2015 21:45	TJB	555377

CAS#	Parameter	Result	LOQ	Units
103-65-1	n-Propylbenzene	ND	10.0	ug/L
95-47-6	o-Xylene	ND	10.0	ug/L
135-98-8	sec-Butylbenzene	ND	10.0	ug/L
100-42-5	Styrene	ND	10.0	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	10.0	ug/L
98-06-6	tert-Butylbenzene	ND	10.0	ug/L
108-88-3	Toluene	ND	10.0	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	10.0	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	10.0	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	10.0	ug/L
79-01-6	Trichloroethene	ND	10.0	ug/L
75-69-4	Trichlorofluoromethane	ND	10.0	ug/L
76-13-1	Trichlorotrifluoroethane	ND	10.0	ug/L
75-01-4	Vinyl chloride	ND	10.0	ug/L
1330-20-7	Xylene (total)	ND	30.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	100	99.7	ug/L	100	78 - 130
1868-53-7	Dibromofluoromethane	100	100	ug/L	100	77 - 127
2037-26-5	Toluene d8	100	102	ug/L	102	76 - 134
17060-07-0	1,2-Dichloroethane-d4	100	105	ug/L	105	71 - 127

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	20	04/01/2015 21:25	TJB	555377

CAS#	Parameter	Result	LOQ	Units
127-18-4	Tetrachloroethene	901	100	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	1000	1040	ug/L	104	78 - 130
1868-53-7	Dibromofluoromethane	1000	1020	ug/L	102	77 - 127
2037-26-5	Toluene d8	1000	1020	ug/L	102	76 - 134
17060-07-0	1,2-Dichloroethane-d4	1000	1010	ug/L	101	71 - 127

Sample Results

PT-3 @60	Collect Date	03/26/2015 12:41	GCAL ID	21503314706
	Receive Date	03/31/2015 10:00	Matrix	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	50	04/01/2015 22:54	TJB	555377

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	250	ug/L
71-55-6	1,1,1-Trichloroethane	ND	250	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	250	ug/L
79-00-5	1,1,2-Trichloroethane	ND	250	ug/L
75-34-3	1,1-Dichloroethane	ND	250	ug/L
75-35-4	1,1-Dichloroethene	ND	250	ug/L
563-58-6	1,1-Dichloropropene	ND	250	ug/L
96-18-4	1,2,3-Trichloropropane	ND	250	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	250	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	250	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	250	ug/L
106-93-4	1,2-Dibromoethane	ND	250	ug/L
95-50-1	1,2-Dichlorobenzene	ND	250	ug/L
107-06-2	1,2-Dichloroethane	ND	250	ug/L
78-87-5	1,2-Dichloropropane	ND	250	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	250	ug/L
541-73-1	1,3-Dichlorobenzene	ND	250	ug/L
142-28-9	1,3-Dichloropropane	ND	250	ug/L
106-46-7	1,4-Dichlorobenzene	ND	250	ug/L
594-20-7	2,2-Dichloropropane	ND	250	ug/L
78-93-3	2-Butanone	ND	250	ug/L
95-49-8	2-Chlorotoluene	ND	250	ug/L
591-78-6	2-Hexanone	ND	250	ug/L
106-43-4	4-Chlorotoluene	ND	250	ug/L
99-87-6	4-Isopropyltoluene	ND	250	ug/L
108-10-1	4-Methyl-2-pentanone	ND	250	ug/L
67-64-1	**Acetone**	**1460**	**250**	**ug/L**
71-43-2	Benzene	ND	250	ug/L
108-86-1	Bromobenzene	ND	250	ug/L
74-97-5	Bromochloromethane	ND	250	ug/L
75-27-4	Bromodichloromethane	ND	250	ug/L
75-25-2	Bromoform	ND	250	ug/L
74-83-9	Bromomethane	ND	250	ug/L
75-15-0	Carbon disulfide	ND	250	ug/L
56-23-5	Carbon tetrachloride	ND	250	ug/L
108-90-7	Chlorobenzene	ND	250	ug/L
75-00-3	Chloroethane	ND	250	ug/L
67-66-3	Chloroform	ND	250	ug/L
74-87-3	Chloromethane	ND	250	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	250	ug/L
124-48-1	Dibromochloromethane	ND	250	ug/L
74-95-3	Dibromomethane	ND	250	ug/L
75-71-8	Dichlorodifluoromethane	ND	250	ug/L
100-41-4	Ethylbenzene	ND	250	ug/L
87-68-3	Hexachlorobutadiene	ND	250	ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	250	ug/L
136777-61-2	m,p-Xylene	ND	250	ug/L
74-88-4	Methyl iodide	ND	500	ug/L
75-09-2	Methylene chloride	ND	250	ug/L
91-20-3	Naphthalene	ND	250	ug/L
104-51-8	n-Butylbenzene	ND	250	ug/L
103-65-1	n-Propylbenzene	ND	250	ug/L
95-47-6	o-Xylene	ND	250	ug/L

Sample Results

PT-3 @60	Collect Date	03/26/2015 12:41	GCAL ID	21503314706
	Receive Date	03/31/2015 10:00	Matrix	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	50	04/01/2015 22:54	TJB	555377

CAS#	Parameter	Result	LOQ	Units
135-98-8	sec-Butylbenzene	ND	250	ug/L
100-42-5	Styrene	ND	250	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	250	ug/L
98-06-6	tert-Butylbenzene	ND	250	ug/L
127-18-4	**Tetrachloroethene**	**5140**	**250**	**ug/L**
108-88-3	Toluene	ND	250	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	250	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	250	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	250	ug/L
79-01-6	**Trichloroethene**	**895**	**250**	**ug/L**
75-69-4	Trichlorofluoromethane	ND	250	ug/L
76-13-1	Trichlorotrifluoroethane	ND	250	ug/L
75-01-4	Vinyl chloride	ND	250	ug/L
1330-20-7	Xylene (total)	ND	750	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2500	2590	ug/L	104	78 - 130
1868-53-7	Dibromofluoromethane	2500	2560	ug/L	102	77 - 127
2037-26-5	Toluene d8	2500	2580	ug/L	103	76 - 134
17060-07-0	1,2-Dichloroethane-d4	2500	2570	ug/L	103	71 - 127

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	500	04/01/2015 22:34	TJB	555377

CAS#	Parameter	Result	LOQ	Units
540-59-0	**1,2-Dichloroethene(Total)**	**27300**	**5000**	**ug/L**
156-59-2	**cis-1,2-Dichloroethene**	**27300**	**2500**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	25000	26100	ug/L	104	78 - 130
1868-53-7	Dibromofluoromethane	25000	25800	ug/L	103	77 - 127
2037-26-5	Toluene d8	25000	25900	ug/L	104	76 - 134
17060-07-0	1,2-Dichloroethane-d4	25000	25500	ug/L	102	71 - 127

Sample Results

MW-20@60	Collect Date	03/26/2015 13:18	GCAL ID	21503314707
	Receive Date	03/31/2015 10:00	Matrix	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	5	04/03/2015 02:37	JCK	555508

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	25.0	ug/L
71-55-6	1,1,1-Trichloroethane	ND	25.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	25.0	ug/L
79-00-5	1,1,2-Trichloroethane	ND	25.0	ug/L
75-34-3	1,1-Dichloroethane	ND	25.0	ug/L
75-35-4	1,1-Dichloroethene	ND	25.0	ug/L
563-58-6	1,1-Dichloropropene	ND	25.0	ug/L
96-18-4	1,2,3-Trichloropropane	ND	25.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	25.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	25.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	25.0	ug/L
106-93-4	1,2-Dibromoethane	ND	25.0	ug/L
95-50-1	1,2-Dichlorobenzene	ND	25.0	ug/L
107-06-2	1,2-Dichloroethane	ND	25.0	ug/L
540-59-0	**1,2-Dichloroethene(Total)**	**1350**	**50.0**	**ug/L**
78-87-5	1,2-Dichloropropane	ND	25.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	25.0	ug/L
541-73-1	1,3-Dichlorobenzene	ND	25.0	ug/L
142-28-9	1,3-Dichloropropane	ND	25.0	ug/L
106-46-7	1,4-Dichlorobenzene	ND	25.0	ug/L
594-20-7	2,2-Dichloropropane	ND	25.0	ug/L
78-93-3	2-Butanone	ND	25.0	ug/L
95-49-8	2-Chlorotoluene	ND	25.0	ug/L
591-78-6	2-Hexanone	ND	25.0	ug/L
106-43-4	4-Chlorotoluene	ND	25.0	ug/L
99-87-6	4-Isopropyltoluene	ND	25.0	ug/L
108-10-1	4-Methyl-2-pentanone	ND	25.0	ug/L
67-64-1	Acetone	ND	25.0	ug/L
71-43-2	Benzene	ND	25.0	ug/L
108-86-1	Bromobenzene	ND	25.0	ug/L
74-97-5	Bromochloromethane	ND	25.0	ug/L
75-27-4	Bromodichloromethane	ND	25.0	ug/L
75-25-2	Bromoform	ND	25.0	ug/L
74-83-9	Bromomethane	ND	25.0	ug/L
75-15-0	Carbon disulfide	ND	25.0	ug/L
56-23-5	Carbon tetrachloride	ND	25.0	ug/L
108-90-7	Chlorobenzene	ND	25.0	ug/L
75-00-3	Chloroethane	ND	25.0	ug/L
67-66-3	Chloroform	ND	25.0	ug/L
74-87-3	Chloromethane	ND	25.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	25.0	ug/L
124-48-1	Dibromochloromethane	ND	25.0	ug/L
74-95-3	Dibromomethane	ND	25.0	ug/L
75-71-8	Dichlorodifluoromethane	ND	25.0	ug/L
100-41-4	Ethylbenzene	ND	25.0	ug/L
87-68-3	Hexachlorobutadiene	ND	25.0	ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	25.0	ug/L
136777-61-2	m,p-Xylene	ND	50.0	ug/L
74-88-4	Methyl iodide	ND	25.0	ug/L
75-09-2	Methylene chloride	ND	25.0	ug/L
91-20-3	Naphthalene	ND	25.0	ug/L
104-51-8	n-Butylbenzene	ND	25.0	ug/L
103-65-1	n-Propylbenzene	ND	25.0	ug/L

Sample Results

MW-20@60	Collect Date	03/26/2015 13:18	GCAL ID	21503314707
	Receive Date	03/31/2015 10:00	Matrix	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	5	04/03/2015 02:37	JCK	555508

CAS#	Parameter	Result	LOQ	Units
95-47-6	o-Xylene	ND	25.0	ug/L
135-98-8	sec-Butylbenzene	ND	25.0	ug/L
100-42-5	Styrene	ND	25.0	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	25.0	ug/L
98-06-6	tert-Butylbenzene	ND	25.0	ug/L
108-88-3	Toluene	ND	25.0	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	25.0	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	25.0	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	25.0	ug/L
79-01-6	**Trichloroethene**	**248**	**25.0**	**ug/L**
75-69-4	Trichlorofluoromethane	ND	25.0	ug/L
76-13-1	Trichlorotrifluoroethane	ND	25.0	ug/L
75-01-4	Vinyl chloride	ND	25.0	ug/L
1330-20-7	Xylene (total)	ND	75.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	250	247	ug/L	99	78 - 130
1868-53-7	Dibromofluoromethane	250	258	ug/L	103	77 - 127
2037-26-5	Toluene d8	250	257	ug/L	103	76 - 134
17060-07-0	1,2-Dichloroethane-d4	250	260	ug/L	104	71 - 127

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	20	04/02/2015 05:29	LBH	555396

CAS#	Parameter	Result	LOQ	Units
156-59-2	**cis-1,2-Dichloroethene**	**1380**	**100**	**ug/L**
127-18-4	**Tetrachloroethene**	**2070**	**100**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	1000	983	ug/L	98	78 - 130
1868-53-7	Dibromofluoromethane	1000	1060	ug/L	106	77 - 127
2037-26-5	Toluene d8	1000	1010	ug/L	101	76 - 134
17060-07-0	1,2-Dichloroethane-d4	1000	1040	ug/L	104	71 - 127

Sample Results

MW-21@60	Collect Date	03/27/2015 14:42	GCAL ID	21503314708
	Receive Date	03/31/2015 10:00	Matrix	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	10	04/03/2015 02:57	JCK	555508

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	50.0	ug/L
71-55-6	1,1,1-Trichloroethane	ND	50.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	50.0	ug/L
79-00-5	1,1,2-Trichloroethane	ND	50.0	ug/L
75-34-3	1,1-Dichloroethane	ND	50.0	ug/L
75-35-4	1,1-Dichloroethene	ND	50.0	ug/L
563-58-6	1,1-Dichloropropene	ND	50.0	ug/L
96-18-4	1,2,3-Trichloropropane	ND	50.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	50.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	50.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	50.0	ug/L
106-93-4	1,2-Dibromoethane	ND	50.0	ug/L
95-50-1	1,2-Dichlorobenzene	ND	50.0	ug/L
107-06-2	1,2-Dichloroethane	ND	50.0	ug/L
540-59-0	1,2-Dichloroethene(Total)	ND	50.0	ug/L
78-87-5	1,2-Dichloropropane	ND	100	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	50.0	ug/L
541-73-1	1,3-Dichlorobenzene	ND	50.0	ug/L
142-28-9	1,3-Dichloropropane	ND	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	ND	50.0	ug/L
594-20-7	2,2-Dichloropropane	ND	50.0	ug/L
78-93-3	2-Butanone	ND	50.0	ug/L
95-49-8	2-Chlorotoluene	ND	50.0	ug/L
591-78-6	2-Hexanone	ND	50.0	ug/L
106-43-4	4-Chlorotoluene	ND	50.0	ug/L
99-87-6	4-Isopropyltoluene	ND	50.0	ug/L
108-10-1	4-Methyl-2-pentanone	ND	50.0	ug/L
67-64-1	Acetone	ND	50.0	ug/L
71-43-2	Benzene	ND	50.0	ug/L
108-86-1	Bromobenzene	ND	50.0	ug/L
74-97-5	Bromochloromethane	ND	50.0	ug/L
75-27-4	Bromodichloromethane	ND	50.0	ug/L
75-25-2	Bromoform	ND	50.0	ug/L
74-83-9	Bromomethane	ND	50.0	ug/L
75-15-0	Carbon disulfide	ND	50.0	ug/L
56-23-5	Carbon tetrachloride	ND	50.0	ug/L
108-90-7	Chlorobenzene	ND	50.0	ug/L
75-00-3	Chloroethane	ND	50.0	ug/L
67-66-3	Chloroform	ND	50.0	ug/L
74-87-3	Chloromethane	ND	50.0	ug/L
156-59-2	cis-1,2-Dichloroethene	ND	50.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	50.0	ug/L
124-48-1	Dibromochloromethane	ND	50.0	ug/L
74-95-3	Dibromomethane	ND	50.0	ug/L
75-71-8	Dichlorodifluoromethane	ND	50.0	ug/L
100-41-4	Ethylbenzene	ND	50.0	ug/L
87-68-3	Hexachlorobutadiene	ND	50.0	ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	50.0	ug/L
136777-61-2	m,p-Xylene	ND	50.0	ug/L
74-88-4	Methyl iodide	ND	100	ug/L
75-09-2	Methylene chloride	ND	50.0	ug/L
91-20-3	Naphthalene	ND	50.0	ug/L
104-51-8	n-Butylbenzene	ND	50.0	ug/L

Sample Results

MW-21@60	Collect Date	03/27/2015 14:42	GCAL ID	21503314708
	Receive Date	03/31/2015 10:00	Matrix	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	10	04/03/2015 02:57	JCK	555508

CAS#	Parameter	Result	LOQ	Units
103-65-1	n-Propylbenzene	ND	50.0	ug/L
95-47-6	o-Xylene	ND	50.0	ug/L
135-98-8	sec-Butylbenzene	ND	50.0	ug/L
100-42-5	Styrene	ND	50.0	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	50.0	ug/L
98-06-6	tert-Butylbenzene	ND	50.0	ug/L
108-88-3	Toluene	ND	50.0	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	50.0	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	50.0	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	50.0	ug/L
79-01-6	**Trichloroethene**	**81.1**	**50.0**	**ug/L**
75-69-4	Trichlorofluoromethane	ND	50.0	ug/L
76-13-1	Trichlorotrifluoroethane	ND	50.0	ug/L
75-01-4	Vinyl chloride	ND	50.0	ug/L
1330-20-7	Xylene (total)	ND	150	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	500	490	ug/L	98	78 - 130
1868-53-7	Dibromofluoromethane	500	528	ug/L	106	77 - 127
2037-26-5	Toluene d8	500	498	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	500	524	ug/L	105	71 - 127

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	50	04/02/2015 05:49	LBH	555396

CAS#	Parameter	Result	LOQ	Units
127-18-4	**Tetrachloroethene**	**7680**	**250**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2500	2470	ug/L	99	78 - 130
1868-53-7	Dibromofluoromethane	2500	2650	ug/L	106	77 - 127
2037-26-5	Toluene d8	2500	2540	ug/L	102	76 - 134
17060-07-0	1,2-Dichloroethane-d4	2500	2550	ug/L	102	71 - 127

Sample Results

MW-22@60	Collect Date	03/27/2015 14:06	GCAL ID	21503314709
	Receive Date	03/31/2015 10:00	Matrix	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	10	04/03/2015 03:17	JCK	555508

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	50.0	ug/L
71-55-6	1,1,1-Trichloroethane	ND	50.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	50.0	ug/L
79-00-5	1,1,2-Trichloroethane	ND	50.0	ug/L
75-34-3	1,1-Dichloroethane	ND	50.0	ug/L
75-35-4	1,1-Dichloroethene	ND	50.0	ug/L
563-58-6	1,1-Dichloropropene	ND	50.0	ug/L
96-18-4	1,2,3-Trichloropropane	ND	50.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	50.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	50.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	50.0	ug/L
106-93-4	1,2-Dibromoethane	ND	50.0	ug/L
95-50-1	1,2-Dichlorobenzene	ND	50.0	ug/L
107-06-2	1,2-Dichloroethane	ND	50.0	ug/L
78-87-5	1,2-Dichloropropane	ND	50.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	50.0	ug/L
541-73-1	1,3-Dichlorobenzene	ND	50.0	ug/L
142-28-9	1,3-Dichloropropane	ND	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	ND	50.0	ug/L
594-20-7	2,2-Dichloropropane	ND	50.0	ug/L
78-93-3	2-Butanone	ND	50.0	ug/L
95-49-8	2-Chlorotoluene	ND	50.0	ug/L
591-78-6	2-Hexanone	ND	50.0	ug/L
106-43-4	4-Chlorotoluene	ND	50.0	ug/L
99-87-6	4-Isopropyltoluene	ND	50.0	ug/L
108-10-1	4-Methyl-2-pentanone	ND	50.0	ug/L
67-64-1	Acetone	ND	50.0	ug/L
71-43-2	Benzene	ND	50.0	ug/L
108-86-1	Bromobenzene	ND	50.0	ug/L
74-97-5	Bromochloromethane	ND	50.0	ug/L
75-27-4	Bromodichloromethane	ND	50.0	ug/L
75-25-2	Bromoform	ND	50.0	ug/L
74-83-9	Bromomethane	ND	50.0	ug/L
75-15-0	Carbon disulfide	ND	50.0	ug/L
56-23-5	Carbon tetrachloride	ND	50.0	ug/L
108-90-7	Chlorobenzene	ND	50.0	ug/L
75-00-3	Chloroethane	ND	50.0	ug/L
67-66-3	Chloroform	ND	50.0	ug/L
74-87-3	Chloromethane	ND	50.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	50.0	ug/L
124-48-1	Dibromochloromethane	ND	50.0	ug/L
74-95-3	Dibromomethane	ND	50.0	ug/L
75-71-8	Dichlorodifluoromethane	ND	50.0	ug/L
100-41-4	Ethylbenzene	ND	50.0	ug/L
87-68-3	Hexachlorobutadiene	ND	50.0	ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	50.0	ug/L
136777-61-2	m,p-Xylene	ND	100	ug/L
74-88-4	Methyl iodide	ND	50.0	ug/L
75-09-2	Methylene chloride	ND	50.0	ug/L
91-20-3	Naphthalene	ND	50.0	ug/L
104-51-8	n-Butylbenzene	ND	50.0	ug/L
103-65-1	n-Propylbenzene	ND	50.0	ug/L
95-47-6	o-Xylene	ND	50.0	ug/L

Sample Results

MW-22@60	Collect Date	03/27/2015 14:06	GCAL ID	21503314709
	Receive Date	03/31/2015 10:00	Matrix	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	10	04/03/2015 03:17	JCK	555508

CAS#	Parameter	Result	LOQ	Units
135-98-8	sec-Butylbenzene	ND	50.0	ug/L
100-42-5	Styrene	ND	50.0	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	50.0	ug/L
98-06-6	tert-Butylbenzene	ND	50.0	ug/L
127-18-4	**Tetrachloroethene**	**921**	**50.0**	**ug/L**
108-88-3	Toluene	ND	50.0	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	50.0	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	50.0	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	50.0	ug/L
79-01-6	**Trichloroethene**	**357**	**50.0**	**ug/L**
75-69-4	Trichlorofluoromethane	ND	50.0	ug/L
76-13-1	Trichlorotrifluoroethane	ND	50.0	ug/L
75-01-4	Vinyl chloride	ND	50.0	ug/L
1330-20-7	Xylene (total)	ND	150	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	500	494	ug/L	99	78 - 130
1868-53-7	Dibromofluoromethane	500	518	ug/L	104	77 - 127
2037-26-5	Toluene d8	500	510	ug/L	102	76 - 134
17060-07-0	1,2-Dichloroethane-d4	500	517	ug/L	103	71 - 127

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	50	04/02/2015 06:10	LBH	555396

CAS#	Parameter	Result	LOQ	Units
540-59-0	**1,2-Dichloroethene(Total)**	**4600**	**500**	**ug/L**
156-59-2	**cis-1,2-Dichloroethene**	**4600**	**250**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2500	2460	ug/L	98	78 - 130
1868-53-7	Dibromofluoromethane	2500	2630	ug/L	105	77 - 127
2037-26-5	Toluene d8	2500	2520	ug/L	101	76 - 134
17060-07-0	1,2-Dichloroethane-d4	2500	2600	ug/L	104	71 - 127

Sample Results

MW-23@60	Collect Date	03/27/2015 13:24	GCAL ID	21503314710
	Receive Date	03/31/2015 10:00	Matrix	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	5	04/03/2015 03:37	JCK	555508

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	25.0	ug/L
71-55-6	1,1,1-Trichloroethane	ND	25.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	25.0	ug/L
79-00-5	1,1,2-Trichloroethane	ND	25.0	ug/L
75-34-3	1,1-Dichloroethane	ND	25.0	ug/L
75-35-4	1,1-Dichloroethene	ND	25.0	ug/L
563-58-6	1,1-Dichloropropene	ND	25.0	ug/L
96-18-4	1,2,3-Trichloropropane	ND	25.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	25.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	25.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	25.0	ug/L
106-93-4	1,2-Dibromoethane	ND	25.0	ug/L
95-50-1	1,2-Dichlorobenzene	ND	25.0	ug/L
107-06-2	1,2-Dichloroethane	ND	25.0	ug/L
78-87-5	1,2-Dichloropropane	ND	25.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	25.0	ug/L
541-73-1	1,3-Dichlorobenzene	ND	25.0	ug/L
142-28-9	1,3-Dichloropropane	ND	25.0	ug/L
106-46-7	1,4-Dichlorobenzene	ND	25.0	ug/L
594-20-7	2,2-Dichloropropane	ND	25.0	ug/L
78-93-3	2-Butanone	ND	25.0	ug/L
95-49-8	2-Chlorotoluene	ND	25.0	ug/L
591-78-6	2-Hexanone	ND	25.0	ug/L
106-43-4	4-Chlorotoluene	ND	25.0	ug/L
99-87-6	4-Isopropyltoluene	ND	25.0	ug/L
108-10-1	4-Methyl-2-pentanone	ND	25.0	ug/L
67-64-1	Acetone	ND	25.0	ug/L
71-43-2	Benzene	ND	25.0	ug/L
108-86-1	Bromobenzene	ND	25.0	ug/L
74-97-5	Bromochloromethane	ND	25.0	ug/L
75-27-4	Bromodichloromethane	ND	25.0	ug/L
75-25-2	Bromoform	ND	25.0	ug/L
74-83-9	Bromomethane	ND	25.0	ug/L
75-15-0	Carbon disulfide	ND	25.0	ug/L
56-23-5	Carbon tetrachloride	ND	25.0	ug/L
108-90-7	Chlorobenzene	ND	25.0	ug/L
75-00-3	Chloroethane	ND	25.0	ug/L
67-66-3	Chloroform	ND	25.0	ug/L
74-87-3	Chloromethane	ND	25.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	25.0	ug/L
124-48-1	Dibromochloromethane	ND	25.0	ug/L
74-95-3	Dibromomethane	ND	25.0	ug/L
75-71-8	Dichlorodifluoromethane	ND	25.0	ug/L
100-41-4	Ethylbenzene	ND	25.0	ug/L
87-68-3	Hexachlorobutadiene	ND	25.0	ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	25.0	ug/L
136777-61-2	m,p-Xylene	ND	50.0	ug/L
74-88-4	Methyl iodide	ND	25.0	ug/L
75-09-2	Methylene chloride	ND	25.0	ug/L
91-20-3	Naphthalene	ND	25.0	ug/L
104-51-8	n-Butylbenzene	ND	25.0	ug/L
103-65-1	n-Propylbenzene	ND	25.0	ug/L
95-47-6	o-Xylene	ND	25.0	ug/L

Sample Results

MW-23@60	Collect Date	03/27/2015 13:24	GCAL ID	21503314710
	Receive Date	03/31/2015 10:00	Matrix	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	5	04/03/2015 03:37	JCK	555508

CAS#	Parameter	Result	LOQ	Units
135-98-8	sec-Butylbenzene	ND	25.0	ug/L
100-42-5	Styrene	ND	25.0	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	25.0	ug/L
98-06-6	tert-Butylbenzene	ND	25.0	ug/L
108-88-3	Toluene	ND	25.0	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	25.0	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	25.0	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	25.0	ug/L
79-01-6	**Trichloroethene**	**476**	**25.0**	**ug/L**
75-69-4	Trichlorofluoromethane	ND	25.0	ug/L
76-13-1	Trichlorotrifluoroethane	ND	25.0	ug/L
75-01-4	Vinyl chloride	ND	25.0	ug/L
1330-20-7	Xylene (total)	ND	75.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	250	244	ug/L	98	78 - 130
1868-53-7	Dibromofluoromethane	250	257	ug/L	103	77 - 127
2037-26-5	Toluene d8	250	254	ug/L	102	76 - 134
17060-07-0	1,2-Dichloroethane-d4	250	259	ug/L	104	71 - 127

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	40	04/02/2015 06:30	LBH	555396

CAS#	Parameter	Result	LOQ	Units
540-59-0	**1,2-Dichloroethene(Total)**	**3220**	**400**	**ug/L**
156-59-2	**cis-1,2-Dichloroethene**	**3220**	**200**	**ug/L**
127-18-4	**Tetrachloroethene**	**2160**	**200**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2000	1960	ug/L	98	78 - 130
1868-53-7	Dibromofluoromethane	2000	2100	ug/L	105	77 - 127
2037-26-5	Toluene d8	2000	2030	ug/L	102	76 - 134
17060-07-0	1,2-Dichloroethane-d4	2000	2090	ug/L	105	71 - 127

Sample Results

MW-24@30	Collect Date	03/26/2015 15:25	GCAL ID	21503314711
	Receive Date	03/31/2015 10:00	Matrix	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	04/02/2015 11:09	LBH	555425

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	ND	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	ND	5.00	ug/L
75-34-3	1,1-Dichloroethane	ND	5.00	ug/L
75-35-4	1,1-Dichloroethene	ND	5.00	ug/L
563-58-6	1,1-Dichloropropene	ND	5.00	ug/L
96-18-4	1,2,3-Trichloropropane	ND	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	5.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	5.00	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.00	ug/L
106-93-4	1,2-Dibromoethane	ND	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	ND	5.00	ug/L
107-06-2	1,2-Dichloroethane	ND	5.00	ug/L
540-59-0	**1,2-Dichloroethene(Total)**	**602**	**10.0**	**ug/L**
78-87-5	1,2-Dichloropropane	ND	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	ND	5.00	ug/L
142-28-9	1,3-Dichloropropane	ND	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	ND	5.00	ug/L
594-20-7	2,2-Dichloropropane	ND	5.00	ug/L
78-93-3	2-Butanone	ND	5.00	ug/L
95-49-8	2-Chlorotoluene	ND	5.00	ug/L
591-78-6	2-Hexanone	ND	5.00	ug/L
106-43-4	4-Chlorotoluene	ND	5.00	ug/L
99-87-6	4-Isopropyltoluene	ND	5.00	ug/L
108-10-1	4-Methyl-2-pentanone	ND	5.00	ug/L
67-64-1	Acetone	ND	5.00	ug/L
71-43-2	Benzene	ND	5.00	ug/L
108-86-1	Bromobenzene	ND	5.00	ug/L
74-97-5	Bromochloromethane	ND	5.00	ug/L
75-27-4	Bromodichloromethane	ND	5.00	ug/L
75-25-2	Bromoform	ND	5.00	ug/L
74-83-9	Bromomethane	ND	5.00	ug/L
75-15-0	Carbon disulfide	ND	5.00	ug/L
56-23-5	Carbon tetrachloride	ND	5.00	ug/L
108-90-7	Chlorobenzene	ND	5.00	ug/L
75-00-3	Chloroethane	ND	5.00	ug/L
67-66-3	Chloroform	ND	5.00	ug/L
74-87-3	Chloromethane	ND	5.00	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**599**	**5.00**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	ND	5.00	ug/L
124-48-1	Dibromochloromethane	ND	5.00	ug/L
74-95-3	Dibromomethane	ND	5.00	ug/L
75-71-8	Dichlorodifluoromethane	ND	5.00	ug/L
100-41-4	Ethylbenzene	ND	5.00	ug/L
87-68-3	Hexachlorobutadiene	ND	5.00	ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	5.00	ug/L
136777-61-2	m,p-Xylene	ND	10.0	ug/L
74-88-4	Methyl iodide	ND	5.00	ug/L
75-09-2	Methylene chloride	ND	5.00	ug/L
91-20-3	Naphthalene	ND	5.00	ug/L
104-51-8	n-Butylbenzene	ND	5.00	ug/L

Sample Results

MW-24@30	Collect Date	03/26/2015 15:25	GCAL ID	21503314711
	Receive Date	03/31/2015 10:00	Matrix	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	04/02/2015 11:09	LBH	555425

CAS#	Parameter	Result	LOQ	Units
103-65-1	n-Propylbenzene	ND	5.00	ug/L
95-47-6	o-Xylene	ND	5.00	ug/L
135-98-8	sec-Butylbenzene	ND	5.00	ug/L
100-42-5	Styrene	ND	5.00	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	5.00	ug/L
98-06-6	tert-Butylbenzene	ND	5.00	ug/L
127-18-4	**Tetrachloroethene**	**392**	**5.00**	**ug/L**
108-88-3	Toluene	ND	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	5.00	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.00	ug/L
79-01-6	**Trichloroethene**	**116**	**5.00**	**ug/L**
75-69-4	Trichlorofluoromethane	ND	5.00	ug/L
76-13-1	Trichlorotrifluoroethane	ND	5.00	ug/L
75-01-4	Vinyl chloride	ND	5.00	ug/L
1330-20-7	Xylene (total)	ND	15.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	49.7	ug/L	99	78 - 130
1868-53-7	Dibromofluoromethane	50	51.5	ug/L	103	77 - 127
2037-26-5	Toluene d8	50	50.6	ug/L	101	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	51.8	ug/L	104	71 - 127

GC/MS Volatiles Quality Control Summary

Analytical Batch 555377	Client ID	MB555377		LCS555377				LCSD555377				
	GCAL ID	1429981		1429982				1429983				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	04/01/2015 15:01		04/01/2015 12:41				04/01/2015 13:10				
	Matrix	Water		Water				Water				
EPA 8260B		Units Result	ug/L LOQ	Spike Added	Result	%R	Control Limits%R	Spike Added	Result	%R	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	630-20-6	ND	5.00	50.0	47.2	94	75 - 124	50.0	47.5	95	1	30
1,1,1-Trichloroethane	71-55-6	ND	5.00	50.0	45.2	90	76 - 126	50.0	44.1	88	2	30
1,1,2,2-Tetrachloroethane	79-34-5	ND	5.00	50.0	42.3	85	70 - 122	50.0	45.6	91	8	30
1,1,2-Trichloroethane	79-00-5	ND	5.00	50.0	45.2	90	72 - 121	50.0	45.3	91	0	30
1,1-Dichloroethane	75-34-3	ND	5.00	50.0	44.6	89	74 - 127	50.0	43.7	87	2	30
1,1-Dichloroethene	75-35-4	ND	5.00	50.0	41.7	83	69 - 129	50.0	41.1	82	1	20
1,1-Dichloropropene	563-58-6	ND	5.00	50.0	44.4	89	72 - 131	50.0	42.2	84	5	30
1,2,3-Trichloropropane	96-18-4	ND	5.00	50.0	42.3	85	70 - 120	50.0	45.3	91	7	30
1,2,4-Trichlorobenzene	120-82-1	ND	5.00	50.0	47.1	94	61 - 135	50.0	45.9	92	3	30
1,2,4-Trimethylbenzene	95-63-6	ND	5.00	50.0	46.7	93	74 - 125	50.0	45.1	90	3	30
1,2-Dibromo-3-chloropropane	96-12-8	ND	5.00	50.0	42.0	84	57 - 121	50.0	46.4	93	10	30
1,2-Dibromoethane	106-93-4	ND	5.00	50.0	44.7	89	70 - 124	50.0	47.3	95	6	30
1,2-Dichlorobenzene	95-50-1	ND	5.00	50.0	44.7	89	71 - 126	50.0	44.4	89	1	30
1,2-Dichloroethane	107-06-2	ND	5.00	50.0	44.9	90	71 - 129	50.0	46.0	92	2	30
1,2-Dichloroethene(Total)	540-59-0	ND	10.0	100	89.1	89	74 - 128	100	87.3	87	2	30
1,2-Dichloropropane	78-87-5	ND	5.00	50.0	45.6	91	72 - 128	50.0	45.7	91	0	30
1,3,5-Trimethylbenzene	108-67-8	ND	5.00	50.0	46.0	92	71 - 132	50.0	44.6	89	3	30
1,3-Dichlorobenzene	541-73-1	ND	5.00	50.0	44.5	89	74 - 126	50.0	44.6	89	0	30
1,3-Dichloropropane	142-28-9	ND	5.00	50.0	44.3	89	74 - 122	50.0	44.9	90	1	30
1,4-Dichlorobenzene	106-46-7	ND	5.00	50.0	44.1	88	72 - 122	50.0	43.9	88	1	30
2,2-Dichloropropane	594-20-7	ND	5.00	50.0	44.9	90	77 - 124	50.0	43.3	87	4	30
2-Butanone	78-93-3	ND	5.00	50.0	41.1	82	58 - 137	50.0	46.2	92	12	30
2-Chlorotoluene	95-49-8	ND	5.00	50.0	45.3	91	72 - 127	50.0	44.8	90	1	30
2-Hexanone	591-78-6	ND	5.00	50.0	43.2	86	50 - 135	50.0	47.7	95	10	30
4-Chlorotoluene	106-43-4	ND	5.00	50.0	45.3	91	75 - 126	50.0	44.7	89	1	30
4-Isopropyltoluene	99-87-6	ND	5.00	50.0	46.5	93	71 - 129	50.0	45.1	90	3	30
4-Methyl-2-pentanone	108-10-1	ND	5.00	50.0	42.5	85	57 - 132	50.0	46.2	92	8	30
Acetone	67-64-1	ND	5.00	50.0	39.4	79	44 - 156	50.0	44.9	90	13	30
Benzene	71-43-2	ND	5.00	50.0	44.6	89	70 - 129	50.0	43.9	88	2	20
Bromobenzene	108-86-1	ND	5.00	50.0	44.4	89	71 - 120	50.0	44.0	88	1	30
Bromochloromethane	74-97-5	ND	5.00	50.0	47.0	94	76 - 130	50.0	46.0	92	2	30
Bromodichloromethane	75-27-4	ND	5.00	50.0	46.8	94	74 - 125	50.0	47.2	94	1	30
Bromoform	75-25-2	ND	5.00	50.0	45.9	92	64 - 122	50.0	49.5	99	8	30
Bromomethane	74-83-9	ND	5.00	50.0	41.5	83	47 - 138	50.0	43.3	87	4	30
Carbon disulfide	75-15-0	ND	5.00	50.0	40.7	81	69 - 136	50.0	39.5	79	3	30
Carbon tetrachloride	56-23-5	ND	5.00	50.0	46.8	94	76 - 128	50.0	45.7	91	2	30
Chlorobenzene	108-90-7	ND	5.00	50.0	44.5	89	74 - 123	50.0	44.1	88	1	20
Chloroethane	75-00-3	ND	5.00	50.0	40.9	82	62 - 141	50.0	41.7	83	2	30
Chloroform	67-66-3	ND	5.00	50.0	45.4	91	75 - 122	50.0	45.2	90	0	30
Chloromethane	74-87-3	ND	5.00	50.0	40.4	81	59 - 132	50.0	40.6	81	1	30
cis-1,2-Dichloroethene	156-59-2	ND	5.00	50.0	44.8	90	73 - 130	50.0	43.9	88	2	30
cis-1,3-Dichloropropene	10061-01-5	ND	5.00	50.0	46.2	92	71 - 132	50.0	46.3	93	0	30
Dibromochloromethane	124-48-1	ND	5.00	50.0	46.1	92	71 - 123	50.0	47.7	95	3	30
Dibromomethane	74-95-3	ND	5.00	50.0	44.7	89	72 - 129	50.0	46.2	92	3	30
Dichlorodifluoromethane	75-71-8	ND	5.00	50.0	36.2	72	58 - 140	50.0	36.0	72	1	30
Ethylbenzene	100-41-4	ND	5.00	50.0	45.4	91	74 - 126	50.0	43.5	87	4	30
Hexachlorobutadiene	87-68-3	ND	5.00	50.0	46.5	93	61 - 144	50.0	44.1	88	5	30
Isopropylbenzene (Cumene)	98-82-8	ND	5.00	50.0	46.4	93	71 - 125	50.0	45.0	90	3	30
m,p-Xylene	136777-61-2	ND	10.0	100	91.4	91	74 - 126	100	88.8	89	3	30
Methyl iodide	74-88-4	ND	5.00	50.0	43.5	87	57 - 141	50.0	43.6	87	0	30
Methylene chloride	75-09-2	ND	5.00	50.0	42.2	84	68 - 132	50.0	41.5	83	2	30
Naphthalene	91-20-3	ND	5.00	50.0	46.4	93	57 - 138	50.0	48.7	97	5	35
n-Butylbenzene	104-51-8	ND	5.00	50.0	45.8	92	69 - 134	50.0	44.1	88	4	30
n-Propylbenzene	103-65-1	ND	5.00	50.0	45.3	91	75 - 129	50.0	44.2	88	2	30
o-Xylene	95-47-6	ND	5.00	50.0	46.2	92	73 - 130	50.0	45.1	90	2	30
sec-Butylbenzene	135-98-8	ND	5.00	50.0	45.7	91	70 - 136	50.0	44.8	90	2	30
Styrene	100-42-5	ND	5.00	50.0	47.7	95	71 - 127	50.0	47.2	94	1	30
tert-Butyl methyl ether (MTBE)	1634-04-4	ND	5.00	50.0	44.4	89	71 - 125	50.0	45.8	92	3	30

GC/MS Volatiles Quality Control Summary

Analytical Batch 555377	Client ID	MB555377		LCS555377				LCSD555377				
	GCAL ID	1429981		1429982				1429983				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	04/01/2015 15:01		04/01/2015 12:41				04/01/2015 13:10				
	Matrix	Water		Water				Water				
EPA 8260B		Units Result	ug/L LOQ	Spike Added	Result	%R	Control Limits%R	Spike Added	Result	%R	RPD	RPD Limit
tert-Butylbenzene	98-06-6	ND	5.00	50.0	46.6	93	72 - 126	50.0	44.8	90	4	30
Tetrachloroethene	127-18-4	ND	5.00	50.0	47.1	94	68 - 128	50.0	44.1	88	7	30
Toluene	108-88-3	ND	5.00	50.0	44.4	89	72 - 120	50.0	43.2	86	3	20
trans-1,2-Dichloroethene	156-60-5	ND	5.00	50.0	44.3	89	69 - 132	50.0	43.4	87	2	30
trans-1,3-Dichloropropene	10061-02-6	ND	5.00	50.0	45.9	92	71 - 131	50.0	46.8	94	2	30
trans-1,4-Dichloro-2-butene	110-57-6	ND	5.00	50.0	45.3	91	56 - 132	50.0	48.9	98	8	30
Trichloroethene	79-01-6	ND	5.00	50.0	44.7	89	76 - 129	50.0	43.1	86	4	20
Trichlorofluoromethane	75-69-4	ND	5.00	50.0	39.2	78	72 - 136	50.0	36.9	74	6	30
Trichlorotrifluoroethane	76-13-1	ND	5.00	50.0	40.0	80	72 - 136	50.0	38.1	76	5	30
Vinyl chloride	75-01-4	ND	5.00	50.0	40.7	81	68 - 132	50.0	41.7	83	2	30
Xylene (total)	1330-20-7	ND	15.0	150	138	92	74 - 127	150	134	89	3	30
Surrogate												
1,2-Dichloroethane-d4	17060-07-0	51.3	103	50	50.5	101	71 - 127	50	50.7	101	0	NA
4-Bromofluorobenzene	460-00-4	49.6	99	50	50.6	101	78 - 130	50	51.6	103	2	NA
Dibromofluoromethane	1868-53-7	49.8	100	50	50.8	102	77 - 127	50	50.9	102	0	NA
Toluene d8	2037-26-5	50.4	101	50	50	100	76 - 134	50	50.3	101	1	NA

Analytical Batch 555396	Client ID	MB555396		LCS555396				LCSD555396				
	GCAL ID	1430202		1430203				1430204				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	04/01/2015 23:43		04/01/2015 22:22				04/01/2015 22:42				
	Matrix	Water		Water				Water				
EPA 8260B		Units Result	ug/L LOQ	Spike Added	Result	%R	Control Limits%R	Spike Added	Result	%R	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	630-20-6	ND	5.00	50.0	50.3	101	75 - 124	50.0	47.9	96	5	30
1,1,1-Trichloroethane	71-55-6	ND	5.00	50.0	48.6	97	76 - 126	50.0	46.3	93	5	30
1,1,2,2-Tetrachloroethane	79-34-5	ND	5.00	50.0	51.3	103	70 - 122	50.0	51.1	102	0	30
1,1,2-Trichloroethane	79-00-5	ND	5.00	50.0	49.6	99	72 - 121	50.0	48.6	97	2	30
1,1-Dichloroethane	75-34-3	ND	5.00	50.0	46.6	93	74 - 127	50.0	44.2	88	5	30
1,1-Dichloroethene	75-35-4	ND	5.00	50.0	41.6	83	69 - 129	50.0	39.3	79	6	20
1,1-Dichloropropene	563-58-6	ND	5.00	50.0	49.3	99	72 - 131	50.0	45.5	91	8	30
1,2,3-Trichloropropane	96-18-4	ND	5.00	50.0	51.2	102	70 - 120	50.0	52.1	104	2	30
1,2,4-Trichlorobenzene	120-82-1	ND	5.00	50.0	54.7	109	61 - 135	50.0	54.6	109	0	30
1,2,4-Trimethylbenzene	95-63-6	ND	5.00	50.0	54.5	109	74 - 125	50.0	51.5	103	6	30
1,2-Dibromo-3-chloropropane	96-12-8	ND	5.00	50.0	47.6	95	57 - 121	50.0	50.4	101	6	30
1,2-Dibromoethane	106-93-4	ND	5.00	50.0	50.1	100	70 - 124	50.0	49.6	99	1	30
1,2-Dichlorobenzene	95-50-1	ND	5.00	50.0	51.3	103	71 - 126	50.0	49.8	100	3	30
1,2-Dichloroethane	107-06-2	ND	5.00	50.0	47.9	96	71 - 129	50.0	46.8	94	2	30
1,2-Dichloroethene(Total)	540-59-0	ND	10.0	100	95.6	96	74 - 128	100	90.1	90	6	30
1,2-Dichloropropane	78-87-5	ND	5.00	50.0	48.8	98	72 - 128	50.0	46.3	93	5	30
1,3,5-Trimethylbenzene	108-67-8	ND	5.00	50.0	53.9	108	71 - 132	50.0	50.5	101	7	30
1,3-Dichlorobenzene	541-73-1	ND	5.00	50.0	51.2	102	74 - 126	50.0	48.9	98	5	30
1,3-Dichloropropane	142-28-9	ND	5.00	50.0	50.1	100	74 - 122	50.0	49.2	98	2	30
1,4-Dichlorobenzene	106-46-7	ND	5.00	50.0	50.9	102	72 - 122	50.0	48.2	96	5	30
2,2-Dichloropropane	594-20-7	ND	5.00	50.0	48.8	98	77 - 124	50.0	46.5	93	5	30
2-Butanone	78-93-3	ND	5.00	50.0	48.1	96	58 - 137	50.0	52.1	104	8	30
2-Chlorotoluene	95-49-8	ND	5.00	50.0	51.8	104	72 - 127	50.0	48.7	97	6	30
2-Hexanone	591-78-6	ND	5.00	50.0	43.5	87	50 - 135	50.0	47.1	94	8	30
4-Chlorotoluene	106-43-4	ND	5.00	50.0	52.9	106	75 - 126	50.0	49.7	99	6	30
4-Isopropyltoluene	99-87-6	ND	5.00	50.0	50.2	100	71 - 129	50.0	46.6	93	7	30
4-Methyl-2-pentanone	108-10-1	ND	5.00	50.0	45.5	91	57 - 132	50.0	47.3	95	4	30
Acetone	67-64-1	ND	5.00	50.0	42.5	85	44 - 156	50.0	48.2	96	13	30
Benzene	71-43-2	ND	5.00	50.0	48.5	97	70 - 129	50.0	46.1	92	5	20
Bromobenzene	108-86-1	ND	5.00	50.0	49.4	99	71 - 120	50.0	48.1	96	3	30
Bromochloromethane	74-97-5	ND	5.00	50.0	46.7	93	76 - 130	50.0	44.5	89	5	30
Bromodichloromethane	75-27-4	ND	5.00	50.0	49.4	99	74 - 125	50.0	46.9	94	5	30

GC/MS Volatiles Quality Control Summary

Analytical Batch 555396	Client ID	MB555396		LCS555396				LCSD555396				
	GCAL ID	1430202		1430203				1430204				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	04/01/2015 23:43		04/01/2015 22:22				04/01/2015 22:42				
	Matrix	Water		Water				Water				
EPA 8260B		Units Result	ug/L LOQ	Spike Added	Result	%R	Control Limits%R	Spike Added	Result	%R	RPD	RPD Limit
Bromoform	75-25-2	ND	5.00	50.0	47.4	95	64 - 122	50.0	46.5	93	2	30
Bromomethane	74-83-9	ND	5.00	50.0	41.7	83	47 - 138	50.0	44.2	88	6	30
Carbon disulfide	75-15-0	ND	5.00	50.0	41.7	83	69 - 136	50.0	39.2	78	6	30
Carbon tetrachloride	56-23-5	ND	5.00	50.0	50.9	102	76 - 128	50.0	46.9	94	8	30
Chlorobenzene	108-90-7	ND	5.00	50.0	49.3	99	74 - 123	50.0	46.5	93	6	20
Chloroethane	75-00-3	ND	5.00	50.0	39.2	78	62 - 141	50.0	37.4	75	5	30
Chloroform	67-66-3	ND	5.00	50.0	47.5	95	75 - 122	50.0	45.2	90	5	30
Chloromethane	74-87-3	ND	5.00	50.0	46.8	94	59 - 132	50.0	42.8	86	9	30
cis-1,2-Dichloroethene	156-59-2	ND	5.00	50.0	48.3	97	73 - 130	50.0	46.3	93	4	30
cis-1,3-Dichloropropene	10061-01-5	ND	5.00	50.0	51.1	102	71 - 132	50.0	49.9	100	2	30
Dibromochloromethane	124-48-1	ND	5.00	50.0	50.2	100	71 - 123	50.0	48.7	97	3	30
Dibromomethane	74-95-3	ND	5.00	50.0	49.0	98	72 - 129	50.0	48.1	96	2	30
Dichlorodifluoromethane	75-71-8	ND	5.00	50.0	34.2	68	58 - 140	50.0	31.7	63	8	30
Ethylbenzene	100-41-4	ND	5.00	50.0	51.6	103	74 - 126	50.0	48.8	98	6	30
Hexachlorobutadiene	87-68-3	ND	5.00	50.0	55.7	111	61 - 144	50.0	52.2	104	6	30
Isopropylbenzene (Cumene)	98-82-8	ND	5.00	50.0	54.8	110	71 - 125	50.0	51.5	103	6	30
m,p-Xylene	136777-61-2	ND	10.0	100	105	105	74 - 126	100	98.0	98	7	30
Methyl iodide	74-88-4	ND	5.00	50.0	41.9	84	57 - 141	50.0	41.0	82	2	30
Methylene chloride	75-09-2	ND	5.00	50.0	47.1	94	68 - 132	50.0	45.1	90	4	30
Naphthalene	91-20-3	ND	5.00	50.0	48.7	97	57 - 138	50.0	53.1	106	9	35
n-Butylbenzene	104-51-8	ND	5.00	50.0	55.8	112	69 - 134	50.0	51.3	103	8	30
n-Propylbenzene	103-65-1	ND	5.00	50.0	52.6	105	75 - 129	50.0	48.8	98	7	30
o-Xylene	95-47-6	ND	5.00	50.0	53.2	106	73 - 130	50.0	50.5	101	5	30
sec-Butylbenzene	135-98-8	ND	5.00	50.0	55.2	110	70 - 136	50.0	51.4	103	7	30
Styrene	100-42-5	ND	5.00	50.0	54.4	109	71 - 127	50.0	51.0	102	6	30
tert-Butyl methyl ether (MTBE)	1634-04-4	ND	5.00	50.0	48.9	98	71 - 125	50.0	49.0	98	0	30
tert-Butylbenzene	98-06-6	ND	5.00	50.0	53.6	107	72 - 126	50.0	50.4	101	6	30
Tetrachloroethene	127-18-4	ND	5.00	50.0	51.4	103	68 - 128	50.0	47.4	95	8	30
Toluene	108-88-3	ND	5.00	50.0	48.7	97	72 - 120	50.0	45.9	92	6	20
trans-1,2-Dichloroethene	156-60-5	ND	5.00	50.0	47.2	94	69 - 132	50.0	43.8	88	7	30
trans-1,3-Dichloropropene	10061-02-6	ND	5.00	50.0	51.9	104	71 - 131	50.0	50.8	102	2	30
trans-1,4-Dichloro-2-butene	110-57-6	ND	5.00	50.0	52.3	105	56 - 132	50.0	51.4	103	2	30
Trichloroethene	79-01-6	ND	5.00	50.0	49.2	98	76 - 129	50.0	46.3	93	6	20
Trichlorofluoromethane	75-69-4	ND	5.00	50.0	36.6	73	72 - 136	50.0	33.7	67*	8	30
Trichlorotrifluoroethane	76-13-1	ND	5.00	50.0	38.6	77	72 - 136	50.0	36.1	72	7	30
Vinyl chloride	75-01-4	ND	5.00	50.0	41.0	82	68 - 132	50.0	38.9	78	5	30
Xylene (total)	1330-20-7	ND	15.0	150	158	105	74 - 127	150	149	99	6	30
Surrogate												
1,2-Dichloroethane-d4	17060-07-0	51.4	103	50	49.9	100	71 - 127	50	49.4	99	1	NA
4-Bromofluorobenzene	460-00-4	50.5	101	50	50.7	101	78 - 130	50	50.2	100	1	NA
Dibromofluoromethane	1868-53-7	52	104	50	50.9	102	77 - 127	50	50	100	2	NA
Toluene d8	2037-26-5	51.6	103	50	49.9	100	76 - 134	50	49.3	99	1	NA

Analytical Batch 555425	Client ID	MB555425		LCS555425				LCSD555425				
	GCAL ID	1430273		1430274				1430275				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	04/02/2015 10:20		04/02/2015 08:28				04/02/2015 08:50				
	Matrix	Water		Water				Water				
EPA 8260B		Units Result	ug/L LOQ	Spike Added	Result	%R	Control Limits%R	Spike Added	Result	%R	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	630-20-6	ND	5.00	50.0	53.5	107	75 - 124	50.0	54.4	109	2	30
1,1,1-Trichloroethane	71-55-6	ND	5.00	50.0	59.0	118	76 - 126	50.0	58.7	117	1	30
1,1,2,2-Tetrachloroethane	79-34-5	ND	5.00	50.0	47.5	95	70 - 122	50.0	51.4	103	8	30
1,1,2-Trichloroethane	79-00-5	ND	5.00	50.0	51.7	103	72 - 121	50.0	52.1	104	1	30
1,1-Dichloroethane	75-34-3	ND	5.00	50.0	52.0	104	74 - 127	50.0	52.8	106	2	30
1,1-Dichloroethene	75-35-4	ND	5.00	50.0	54.4	109	69 - 129	50.0	52.1	104	4	20

GC/MS Volatiles Quality Control Summary

Analytical Batch 555425	Client ID	MB555425		LCS555425				LCSD555425				
	GCAL ID	1430273		1430274				1430275				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	04/02/2015 10:20		04/02/2015 08:28				04/02/2015 08:50				
	Matrix	Water		Water				Water				
EPA 8260B		Units Result	ug/L LOQ	Spike Added	Result	%R	Control Limits%R	Spike Added	Result	%R	RPD	RPD Limit
1,1-Dichloropropene	563-58-6	ND	5.00	50.0	58.6	117	72 - 131	50.0	57.3	115	2	30
1,2,3-Trichloropropane	96-18-4	ND	5.00	50.0	49.0	98	70 - 120	50.0	53.0	106	8	30
1,2,4-Trichlorobenzene	120-82-1	ND	5.00	50.0	55.7	111	61 - 135	50.0	56.7	113	2	30
1,2,4-Trimethylbenzene	95-63-6	ND	5.00	50.0	52.6	105	74 - 125	50.0	53.6	107	2	30
1,2-Dibromo-3-chloropropane	96-12-8	ND	5.00	50.0	50.6	101	57 - 121	50.0	57.7	115	13	30
1,2-Dibromoethane	106-93-4	ND	5.00	50.0	55.1	110	70 - 124	50.0	55.7	111	1	30
1,2-Dichlorobenzene	95-50-1	ND	5.00	50.0	50.2	100	71 - 126	50.0	52.4	105	4	30
1,2-Dichloroethane	107-06-2	ND	5.00	50.0	55.3	111	71 - 129	50.0	56.3	113	2	30
1,2-Dichloroethene(Total)	540-59-0	ND	10.0	100	107	107	74 - 128	100	106	106	1	30
1,2-Dichloropropane	78-87-5	ND	5.00	50.0	52.8	106	72 - 128	50.0	52.4	105	1	30
1,3,5-Trimethylbenzene	108-67-8	ND	5.00	50.0	52.9	106	71 - 132	50.0	53.0	106	0	30
1,3-Dichlorobenzene	541-73-1	ND	5.00	50.0	51.5	103	74 - 126	50.0	52.5	105	2	30
1,3-Dichloropropane	142-28-9	ND	5.00	50.0	51.5	103	74 - 122	50.0	51.9	104	1	30
1,4-Dichlorobenzene	106-46-7	ND	5.00	50.0	49.7	99	72 - 122	50.0	51.9	104	4	30
2,2-Dichloropropane	594-20-7	ND	5.00	50.0	59.0	118	77 - 124	50.0	56.8	114	4	30
2-Butanone	78-93-3	ND	5.00	50.0	46.3	93	58 - 137	50.0	51.6	103	11	30
2-Chlorotoluene	95-49-8	ND	5.00	50.0	51.2	102	72 - 127	50.0	51.4	103	0	30
2-Hexanone	591-78-6	ND	5.00	50.0	46.8	94	50 - 135	50.0	50.0	100	7	30
4-Chlorotoluene	106-43-4	ND	5.00	50.0	50.8	102	75 - 126	50.0	52.5	105	3	30
4-Isopropyltoluene	99-87-6	ND	5.00	50.0	54.8	110	71 - 129	50.0	54.5	109	1	30
4-Methyl-2-pentanone	108-10-1	ND	5.00	50.0	48.6	97	57 - 132	50.0	51.4	103	6	30
Acetone	67-64-1	ND	5.00	50.0	44.1	88	44 - 156	50.0	46.0	92	4	30
Benzene	71-43-2	ND	5.00	50.0	52.9	106	70 - 129	50.0	52.8	106	0	20
Bromobenzene	108-86-1	ND	5.00	50.0	49.5	99	71 - 120	50.0	52.8	106	6	30
Bromochloromethane	74-97-5	ND	5.00	50.0	56.9	114	76 - 130	50.0	57.9	116	2	30
Bromodichloromethane	75-27-4	ND	5.00	50.0	56.0	112	74 - 125	50.0	56.9	114	2	30
Bromoform	75-25-2	ND	5.00	50.0	55.8	112	64 - 122	50.0	59.1	118	6	30
Bromomethane	74-83-9	ND	5.00	50.0	52.9	106	47 - 138	50.0	59.4	119	12	30
Carbon disulfide	75-15-0	ND	5.00	50.0	52.3	105	69 - 136	50.0	51.5	103	2	30
Carbon tetrachloride	56-23-5	ND	5.00	50.0	62.0	124	76 - 128	50.0	60.0	120	3	30
Chlorobenzene	108-90-7	ND	5.00	50.0	52.8	106	74 - 123	50.0	54.0	108	2	20
Chloroethane	75-00-3	ND	5.00	50.0	51.8	104	62 - 141	50.0	51.0	102	2	30
Chloroform	67-66-3	ND	5.00	50.0	54.1	108	75 - 122	50.0	54.8	110	1	30
Chloromethane	74-87-3	ND	5.00	50.0	58.0	116	59 - 132	50.0	60.4	121	4	30
cis-1,2-Dichloroethene	156-59-2	ND	5.00	50.0	53.6	107	73 - 130	50.0	53.4	107	0	30
cis-1,3-Dichloropropene	10061-01-5	ND	5.00	50.0	51.7	103	71 - 132	50.0	51.1	102	1	30
Dibromochloromethane	124-48-1	ND	5.00	50.0	55.6	111	71 - 123	50.0	56.1	112	1	30
Dibromomethane	74-95-3	ND	5.00	50.0	55.3	111	72 - 129	50.0	56.8	114	3	30
Dichlorodifluoromethane	75-71-8	ND	5.00	50.0	65.5	131	58 - 140	50.0	63.2	126	4	30
Ethylbenzene	100-41-4	ND	5.00	50.0	54.2	108	74 - 126	50.0	55.0	110	1	30
Hexachlorobutadiene	87-68-3	ND	5.00	50.0	53.9	108	61 - 144	50.0	55.7	111	3	30
Isopropylbenzene (Cumene)	98-82-8	ND	5.00	50.0	57.3	115	71 - 125	50.0	56.8	114	1	30
m,p-Xylene	136777-61-2	ND	10.0	100	111	111	74 - 126	100	107	107	4	30
Methyl iodide	74-88-4	ND	5.00	50.0	48.3	97	57 - 141	50.0	52.4	105	8	30
Methylene chloride	75-09-2	ND	5.00	50.0	48.3	97	68 - 132	50.0	49.5	99	2	30
Naphthalene	91-20-3	ND	5.00	50.0	52.6	105	57 - 138	50.0	58.5	117	11	35
n-Butylbenzene	104-51-8	ND	5.00	50.0	54.0	108	69 - 134	50.0	54.4	109	1	30
n-Propylbenzene	103-65-1	ND	5.00	50.0	50.7	101	75 - 129	50.0	52.8	106	4	30
o-Xylene	95-47-6	ND	5.00	50.0	53.1	106	73 - 130	50.0	53.2	106	0	30
sec-Butylbenzene	135-98-8	ND	5.00	50.0	52.8	106	70 - 136	50.0	53.1	106	1	30
Styrene	100-42-5	ND	5.00	50.0	54.6	109	71 - 127	50.0	56.4	113	3	30
tert-Butyl methyl ether (MTBE)	1634-04-4	ND	5.00	50.0	51.2	102	71 - 125	50.0	52.3	105	2	30
tert-Butylbenzene	98-06-6	ND	5.00	50.0	53.9	108	72 - 126	50.0	53.4	107	1	30
Tetrachloroethene	127-18-4	ND	5.00	50.0	55.6	111	68 - 128	50.0	54.1	108	3	30
Toluene	108-88-3	ND	5.00	50.0	51.3	103	72 - 120	50.0	50.9	102	1	20
trans-1,2-Dichloroethene	156-60-5	ND	5.00	50.0	53.3	107	69 - 132	50.0	52.2	104	2	30
trans-1,3-Dichloropropene	10061-02-6	ND	5.00	50.0	51.1	102	71 - 131	50.0	51.4	103	1	30
trans-1,4-Dichloro-2-butene	110-57-6	ND	5.00	50.0	53.8	108	56 - 132	50.0	56.7	113	5	30

GC/MS Volatiles Quality Control Summary

Analytical Batch 555425	Client ID	MB555425		LCS555425				LCSD555425				
	GCAL ID	1430273		1430274				1430275				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	04/02/2015 10:20		04/02/2015 08:28				04/02/2015 08:50				
	Matrix	Water		Water				Water				
EPA 8260B		Units Result	ug/L LOQ	Spike Added	Result	%R	Control Limits%R	Spike Added	Result	%R	RPD	RPD Limit
Trichloroethene	79-01-6	ND	5.00	50.0	55.9	112	76 - 129	50.0	56.2	112	1	20
Trichlorofluoromethane	75-69-4	ND	5.00	50.0	59.3	119	72 - 136	50.0	58.6	117	1	30
Trichlorotrifluoroethane	76-13-1	ND	5.00	50.0	53.8	108	72 - 136	50.0	52.9	106	2	30
Vinyl chloride	75-01-4	ND	5.00	50.0	53.1	106	68 - 132	50.0	54.6	109	3	30
Xylene (total)	1330-20-7	ND	15.0	150	164	109	74 - 127	150	160	107	2	30
Surrogate												
1,2-Dichloroethane-d4	17060-07-0	51	102	50	52.4	105	71 - 127	50	52.7	105	1	NA
4-Bromofluorobenzene	460-00-4	48.8	98	50	52.5	105	78 - 130	50	52.3	105	0	NA
Dibromofluoromethane	1868-53-7	50.1	100	50	51.9	104	77 - 127	50	51.4	103	1	NA
Toluene d8	2037-26-5	50.4	101	50	48.3	97	76 - 134	50	47.9	96	1	NA

Analytical Batch 555508	Client ID	MB555508		LCS555508				LCSD555508				
	GCAL ID	1430842		1430843				1430844				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	04/02/2015 20:55		04/02/2015 19:34				04/02/2015 19:55				
	Matrix	Water		Water				Water				
EPA 8260B		Units Result	ug/L LOQ	Spike Added	Result	%R	Control Limits%R	Spike Added	Result	%R	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	630-20-6	ND	5.00	50.0	46.4	93	75 - 124	50.0	45.8	92	1	30
1,1,1-Trichloroethane	71-55-6	ND	5.00	50.0	49.2	98	76 - 126	50.0	45.4	91	8	30
1,1,2,2-Tetrachloroethane	79-34-5	ND	5.00	50.0	46.6	93	70 - 122	50.0	47.1	94	1	30
1,1,2-Trichloroethane	79-00-5	ND	5.00	50.0	46.7	93	72 - 121	50.0	46.7	93	0	30
1,1-Dichloroethane	75-34-3	ND	5.00	50.0	45.8	92	74 - 127	50.0	43.8	88	4	30
1,1-Dichloroethene	75-35-4	ND	5.00	50.0	41.9	84	69 - 129	50.0	38.9	78	7	20
1,1-Dichloropropene	563-58-6	ND	5.00	50.0	48.8	98	72 - 131	50.0	45.7	91	7	30
1,2,3-Trichloropropane	96-18-4	ND	5.00	50.0	45.8	92	70 - 120	50.0	46.6	93	2	30
1,2,4-Trichlorobenzene	120-82-1	ND	5.00	50.0	49.8	100	61 - 135	50.0	52.5	105	5	30
1,2,4-Trimethylbenzene	95-63-6	ND	5.00	50.0	52.3	105	74 - 125	50.0	49.5	99	6	30
1,2-Dibromo-3-chloropropane	96-12-8	ND	5.00	50.0	41.1	82	57 - 121	50.0	44.1	88	7	30
1,2-Dibromoethane	106-93-4	ND	5.00	50.0	47.3	95	70 - 124	50.0	47.9	96	1	30
1,2-Dichlorobenzene	95-50-1	ND	5.00	50.0	48.7	97	71 - 126	50.0	48.0	96	1	30
1,2-Dichloroethane	107-06-2	ND	5.00	50.0	47.3	95	71 - 129	50.0	47.3	95	0	30
1,2-Dichloroethene(Total)	540-59-0	ND	10.0	100	97.3	97	74 - 128	100	91.4	91	6	30
1,2-Dichloropropane	78-87-5	ND	5.00	50.0	48.1	96	72 - 128	50.0	46.5	93	3	30
1,3,5-Trimethylbenzene	108-67-8	ND	5.00	50.0	51.7	103	71 - 132	50.0	48.8	98	6	30
1,3-Dichlorobenzene	541-73-1	ND	5.00	50.0	49.0	98	74 - 126	50.0	47.0	94	4	30
1,3-Dichloropropane	142-28-9	ND	5.00	50.0	46.1	92	74 - 122	50.0	45.6	91	1	30
1,4-Dichlorobenzene	106-46-7	ND	5.00	50.0	48.1	96	72 - 122	50.0	46.5	93	3	30
2,2-Dichloropropane	594-20-7	ND	5.00	50.0	49.5	99	77 - 124	50.0	46.1	92	7	30
2-Butanone	78-93-3	ND	5.00	50.0	45.1	90	58 - 137	50.0	47.4	95	5	30
2-Chlorotoluene	95-49-8	ND	5.00	50.0	49.2	98	72 - 127	50.0	47.3	95	4	30
2-Hexanone	591-78-6	ND	5.00	50.0	40.0	80	50 - 135	50.0	42.0	84	5	30
4-Chlorotoluene	106-43-4	ND	5.00	50.0	50.4	101	75 - 126	50.0	48.7	97	3	30
4-Isopropyltoluene	99-87-6	ND	5.00	50.0	47.5	95	71 - 129	50.0	44.7	89	6	30
4-Methyl-2-pentanone	108-10-1	ND	5.00	50.0	40.6	81	57 - 132	50.0	43.1	86	6	30
Acetone	67-64-1	ND	5.00	50.0	41.3	83	44 - 156	50.0	45.0	90	9	30
Benzene	71-43-2	ND	5.00	50.0	48.8	98	70 - 129	50.0	46.7	93	4	20
Bromobenzene	108-86-1	ND	5.00	50.0	46.4	93	71 - 120	50.0	46.0	92	1	30
Bromochloromethane	74-97-5	ND	5.00	50.0	48.1	96	76 - 130	50.0	48.4	97	1	30
Bromodichloromethane	75-27-4	ND	5.00	50.0	48.4	97	74 - 125	50.0	47.4	95	2	30
Bromoform	75-25-2	ND	5.00	50.0	44.4	89	64 - 122	50.0	45.2	90	2	30
Bromomethane	74-83-9	ND	5.00	50.0	48.0	96	47 - 138	50.0	52.8	106	10	30
Carbon disulfide	75-15-0	ND	5.00	50.0	43.7	87	69 - 136	50.0	41.3	83	6	30
Carbon tetrachloride	56-23-5	ND	5.00	50.0	49.8	100	76 - 128	50.0	46.0	92	8	30
Chlorobenzene	108-90-7	ND	5.00	50.0	46.7	93	74 - 123	50.0	45.6	91	2	20
Chloroethane	75-00-3	ND	5.00	50.0	40.9	82	62 - 141	50.0	38.5	77	6	30

GC/MS Volatiles Quality Control Summary

Analytical Batch 555508	Client ID	MB555508		LCS555508				LCSD555508				
	GCAL ID	1430842		1430843				1430844				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	04/02/2015 20:55		04/02/2015 19:34				04/02/2015 19:55				
	Matrix	Water		Water				Water				
EPA 8260B		Units Result	ug/L LOQ	Spike Added	Result	%R	Control Limits%R	Spike Added	Result	%R	RPD	RPD Limit
Chloroform	67-66-3	ND	5.00	50.0	46.9	94	75 - 122	50.0	45.2	90	4	30
Chloromethane	74-87-3	ND	5.00	50.0	55.7	111	59 - 132	50.0	53.1	106	5	30
cis-1,2-Dichloroethene	156-59-2	ND	5.00	50.0	48.5	97	73 - 130	50.0	46.1	92	5	30
cis-1,3-Dichloropropene	10061-01-5	ND	5.00	50.0	50.5	101	71 - 132	50.0	49.6	99	2	30
Dibromochloromethane	124-48-1	ND	5.00	50.0	46.9	94	71 - 123	50.0	47.1	94	0	30
Dibromomethane	74-95-3	ND	5.00	50.0	48.2	96	72 - 129	50.0	47.9	96	1	30
Dichlorodifluoromethane	75-71-8	ND	5.00	50.0	41.6	83	58 - 140	50.0	37.6	75	10	30
Ethylbenzene	100-41-4	ND	5.00	50.0	49.6	99	74 - 126	50.0	47.6	95	4	30
Hexachlorobutadiene	87-68-3	ND	5.00	50.0	52.1	104	61 - 144	50.0	50.6	101	3	30
Isopropylbenzene (Cumene)	98-82-8	ND	5.00	50.0	52.5	105	71 - 125	50.0	49.9	100	5	30
m,p-Xylene	136777-61-2	ND	10.0	100	100	100	74 - 126	100	95.6	96	4	30
Methyl iodide	74-88-4	ND	5.00	50.0	52.7	105	57 - 141	50.0	52.5	105	0	30
Methylene chloride	75-09-2	ND	5.00	50.0	47.6	95	68 - 132	50.0	46.2	92	3	30
Naphthalene	91-20-3	ND	5.00	50.0	42.4	85	57 - 138	50.0	48.6	97	14	35
n-Butylbenzene	104-51-8	ND	5.00	50.0	53.1	106	69 - 134	50.0	49.2	98	8	30
n-Propylbenzene	103-65-1	ND	5.00	50.0	49.7	99	75 - 129	50.0	47.1	94	5	30
o-Xylene	95-47-6	ND	5.00	50.0	50.9	102	73 - 130	50.0	50.1	100	2	30
sec-Butylbenzene	135-98-8	ND	5.00	50.0	52.0	104	70 - 136	50.0	48.9	98	6	30
Styrene	100-42-5	ND	5.00	50.0	51.6	103	71 - 127	50.0	50.1	100	3	30
tert-Butyl methyl ether (MTBE)	1634-04-4	ND	5.00	50.0	50.5	101	71 - 125	50.0	51.2	102	1	30
tert-Butylbenzene	98-06-6	ND	5.00	50.0	51.3	103	72 - 126	50.0	48.6	97	5	30
Tetrachloroethene	127-18-4	ND	5.00	50.0	49.4	99	68 - 128	50.0	46.4	93	6	30
Toluene	108-88-3	ND	5.00	50.0	47.4	95	72 - 120	50.0	45.4	91	4	20
trans-1,2-Dichloroethene	156-60-5	ND	5.00	50.0	48.8	98	69 - 132	50.0	45.2	90	8	30
trans-1,3-Dichloropropene	10061-02-6	ND	5.00	50.0	51.1	102	71 - 131	50.0	50.7	101	1	30
trans-1,4-Dichloro-2-butene	110-57-6	ND	5.00	50.0	46.5	93	56 - 132	50.0	46.7	93	0	30
Trichloroethene	79-01-6	ND	5.00	50.0	49.0	98	76 - 129	50.0	46.0	92	6	20
Trichlorofluoromethane	75-69-4	ND	5.00	50.0	38.3	77	72 - 136	50.0	35.8	72	7	30
Trichlorotrifluoroethane	76-13-1	ND	5.00	50.0	39.6	79	72 - 136	50.0	36.4	73	8	30
Vinyl chloride	75-01-4	ND	5.00	50.0	45.5	91	68 - 132	50.0	43.2	86	5	30
Xylene (total)	1330-20-7	ND	15.0	150	151	101	74 - 127	150	146	97	3	30
Surrogate												
1,2-Dichloroethane-d4	17060-07-0	50.8	102	50	50.4	101	71 - 127	50	50.1	100	1	NA
4-Bromofluorobenzene	460-00-4	51	102	50	51.2	102	78 - 130	50	50.9	102	1	NA
Dibromofluoromethane	1868-53-7	51.8	104	50	50.4	101	77 - 127	50	50.3	101	0	NA
Toluene d8	2037-26-5	51.5	103	50	49.4	99	76 - 134	50	49.8	100	1	NA

GCAL ANALYTICAL LABORATORIES, LLC

7979 Innovation Park Dr., Baton Rouge, LA 70820-7402
Phone: 225.769.4900 • Fax: 225.767.5717 • www.gcal.com

CHAIN OF CUSTODY RECORD

Client ID: 9000 - General Accounts
SDG: 215033147
Due Date: 04/04/15

Report to:
Client: Clearwater Env. Resources
Address: 3870 PIB Ste 340139
Duluth, GA 30096
Contact: Jack Wintle
Phone: 678 491-4601
E-mail: jack.wintle@clearwaterenv.net

Bill to:
Client:
Address:
Contact:
Phone:
E-mail:

P.O. Number
Project Name/Number: Raytec GW
Sampled By: Jack Wintle

Analytical Requests & Method: 8260 B (VOCs)

GCAL use only:
Custody Seal used ☐ yes ☐ no
intact ☐ yes ☐ no
Temperature °C 1.7 E24

☐ Dissolved Analysis Requested
☐ Field filtered
☐ Lab filtered

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	No Containers	8260 B (VOCs)	Preservative
GW	3/26	9:06		✓	MW-7@30'	3	✓	1
		11:16			MW-15@30'		✓	2
		10:40			MW-17@25'		✓	3
		10:01			MW-19@30'		✓	4
		14:15			MW-12@60'		✓	5
		12:41			PT-3@60'		✓	6
		13:18			MW-20@60'		✓	7
	3/27	14:42			MW-21@60'		✓	8
		14:06			MW-22@60'		✓	9
		13:24			MW-23@60'		✓	10
	3/26	15:25			MW-24@30'		✓	11

Air Bill No: 7732 4529 2848

Turn Around Time (Business Days): ☐ 24h* ☐ 48h* ☐ 3 days* ☐ 1 week* ☒ Standard (Per Contract/Quote)

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Jack Wintle	3/30	13:30	Brad Shelton	3/30/15	1330
Brad Shelton	3/30	1340	FedEx		
FedEx	3-31-15	10:00	Doris McCune	3-31-15	10:00

Note:

By submitting these samples, you agree to GCAL's terms and conditions contained in our most recent schedule of services.

Matrix[1]: W = water, S = solid, L = liquid, T = tissue

*Requires prior approval, rush charges may apply.

We cannot accept verbal changes. Please email written changes to your PM.

WHITE: CLIENT FINAL REPORT - CANARY: CLIENT

GCAL ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIVING CHECKLIST

215033147

SAMPLE DELIVERY GROUP 215033147

Client 9000 - General Accounts	**Transport Method** FEDEX
Profile Number 258587	**Received By** Saucier, Charlotte M.
Line Item(s) 1 - VOC	**Receive Date(s)** 03/31/15

CHECKLIST

	YES	NO	NA
Were all samples received using proper thermal preservation?	☑	☐	☐
When used, were all custody seals intact?	☑	☐	☐
Were all samples received in proper containers?	☑	☐	☐
Were all samples received using proper chemical preservation?	☑	☐	☐
Was preservative added to any container at the lab?	☐	☑	☐
Were all containers received in good condition?	☑	☐	☐
Were all VOA vials received with no head space?	☑	☐	☐
Do all sample labels match the Chain of Custody?	☑	☐	☐
Did the Chain of Custody list the sampling technician?	☑	☐	☐
Was the COC maintained i.e. all signatures, dates and time of receipt included?	☐	☑	☐

COOLERS

Airbill	Thermometer ID: E24	Temp(°C)
7732 4529 2848		1.7

DISCREPANCIES

None

LAB PRESERVATIONS

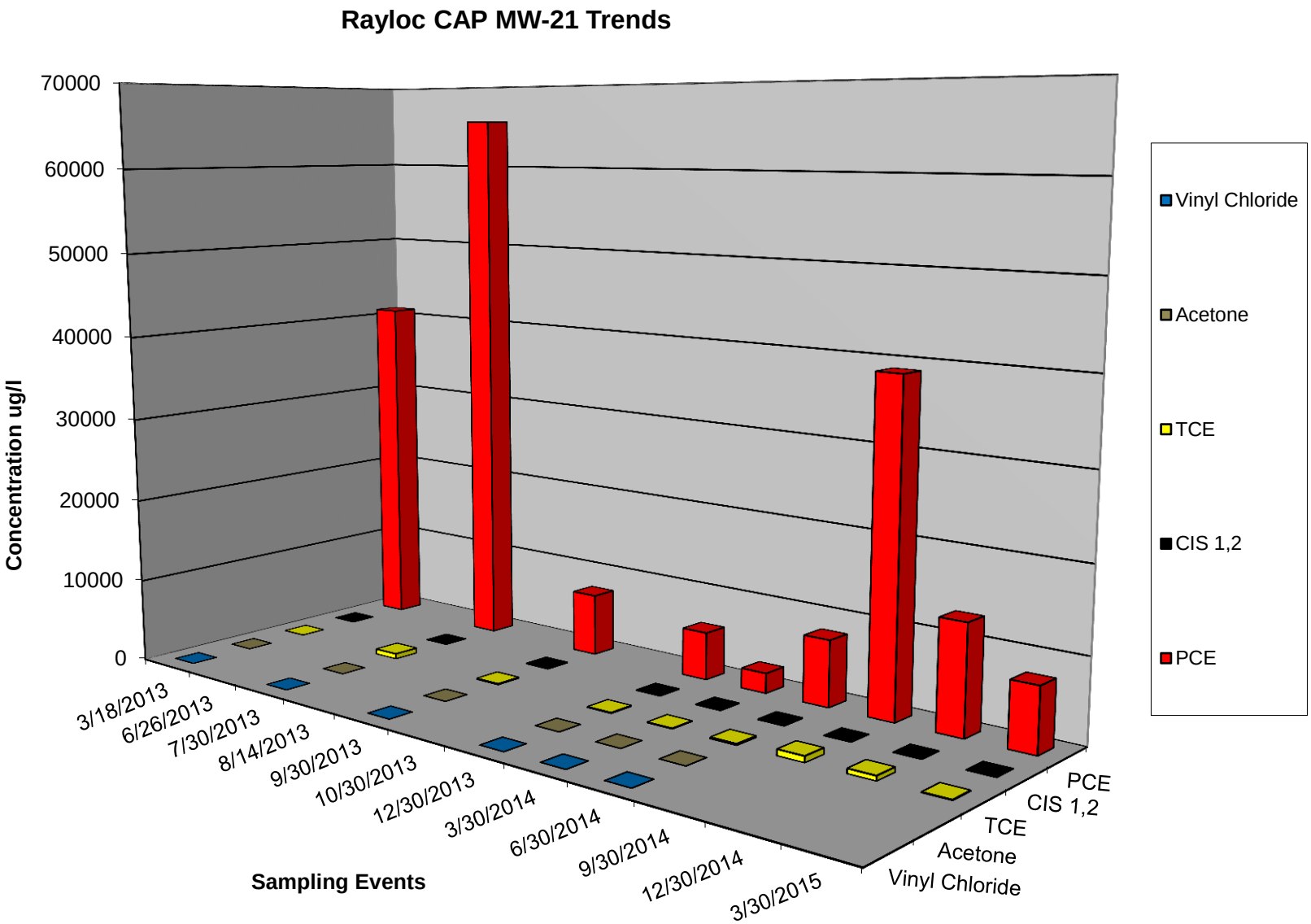
None

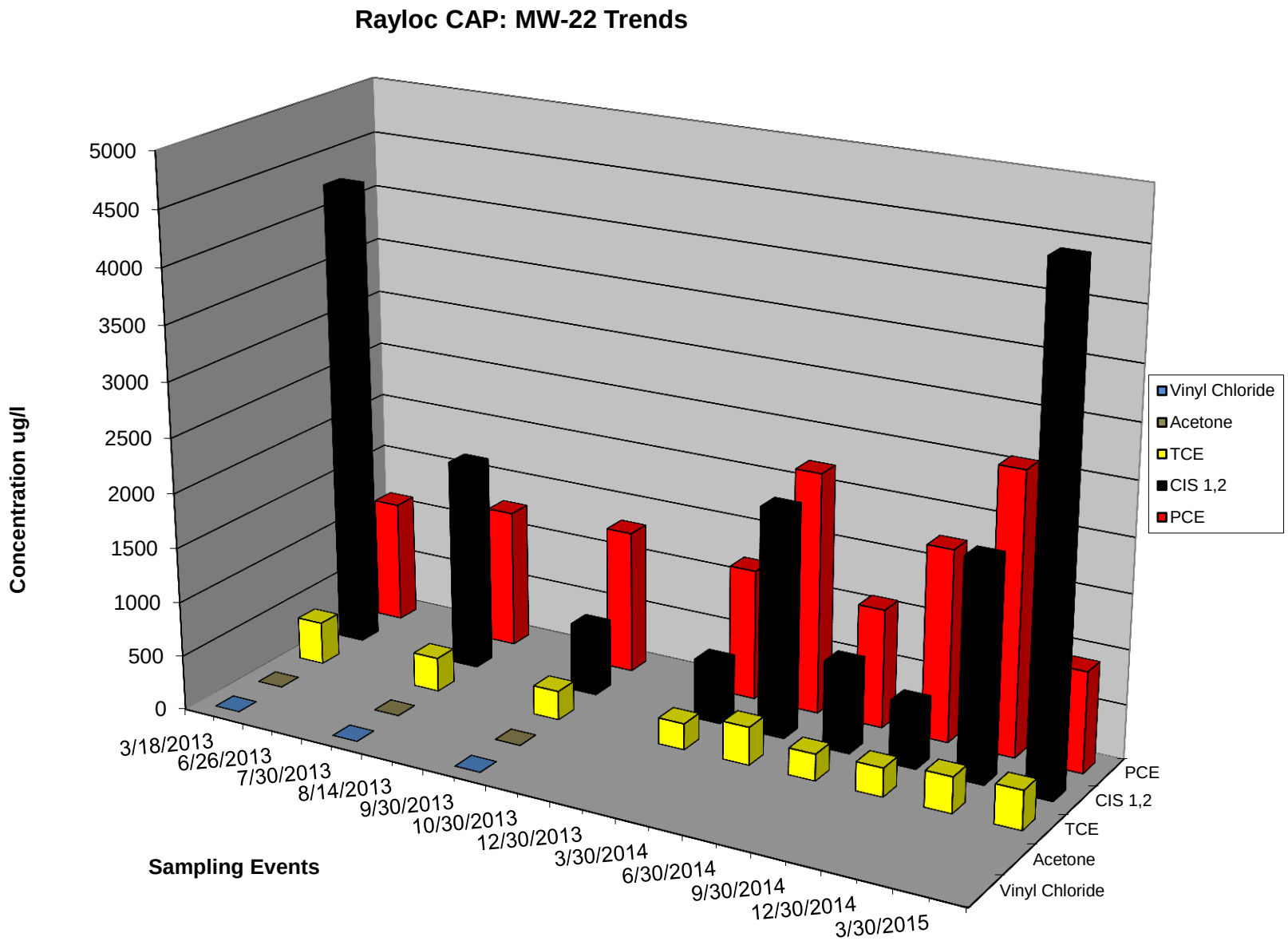
NOTES

Revision 1.4

Page 1 of 1

APPENDIX E
EGEO SYSTEM
ANALYTICAL TRENDS


Rayloc CAP MW-21 Trends
Concentration ug/l
70000
60000
50000
40000
30000
20000
10000
0
3/18/2013
6/26/2013
7/30/2013
8/14/2013
9/30/2013
10/30/2013
12/30/2013
3/30/2014
6/30/2014
9/30/2014
12/30/2014
3/30/2015
Sampling Events
PCE
CIS 1,2
TCE
Acetone
Vinyl Chloride
Vinyl Chloride
Acetone
TCE
CIS 1,2
PCE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Concentration ug/l
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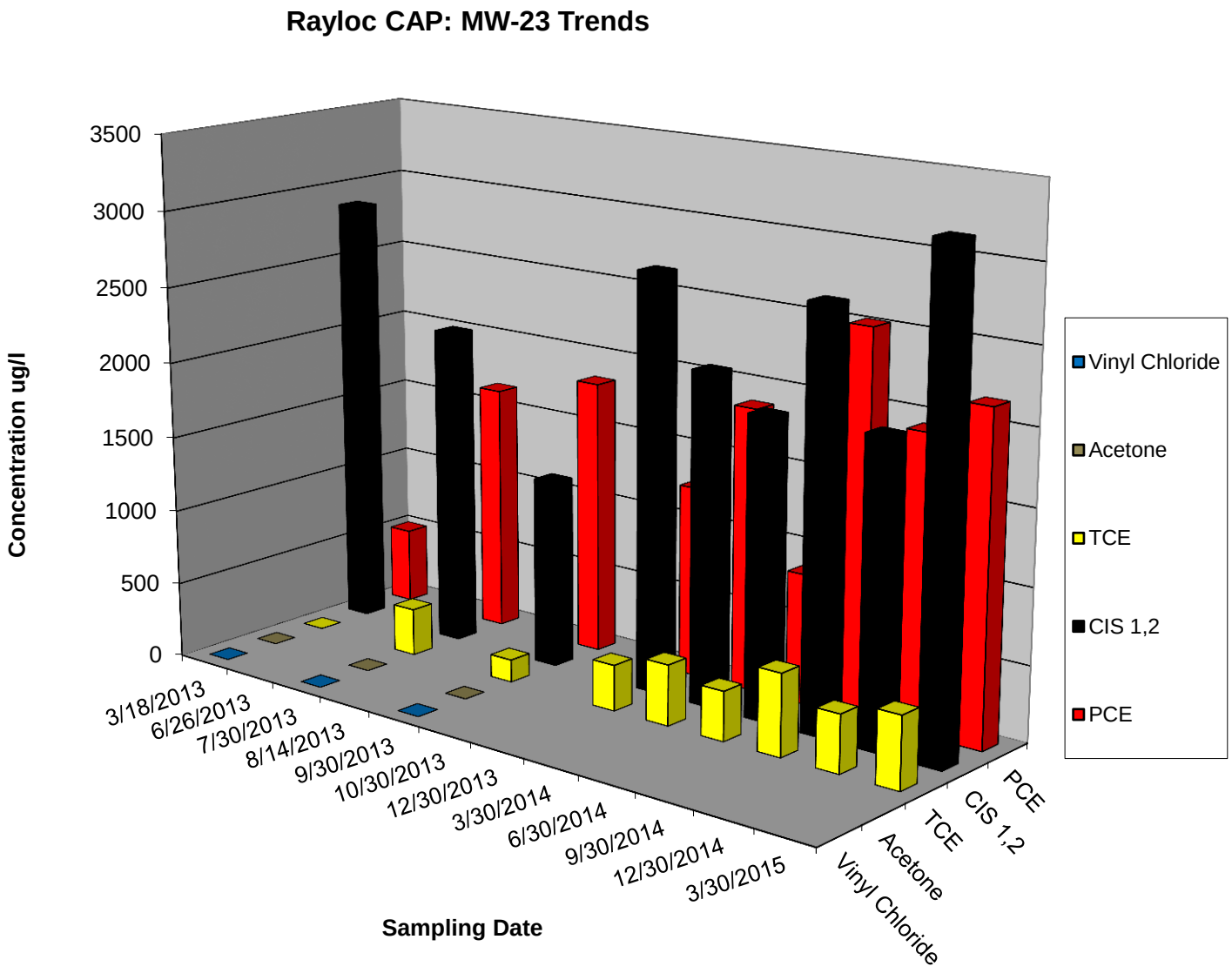
4500
4000
3500
3000
2500
2000
1500
1000
500
0
3/18/2013
6/26/2013
7/30/2013
8/14/2013
9/30/2013
10/30/2013
12/30/2013
3/30/2014
6/30/2014
9/30/2014
12/30/2014
3/30/2015
Sampling Events
PCE
CIS 1,2
TCE
Acetone
Vinyl Chloride
Vinyl Chloride
Acetone
TCE
CIS 1,2
PCE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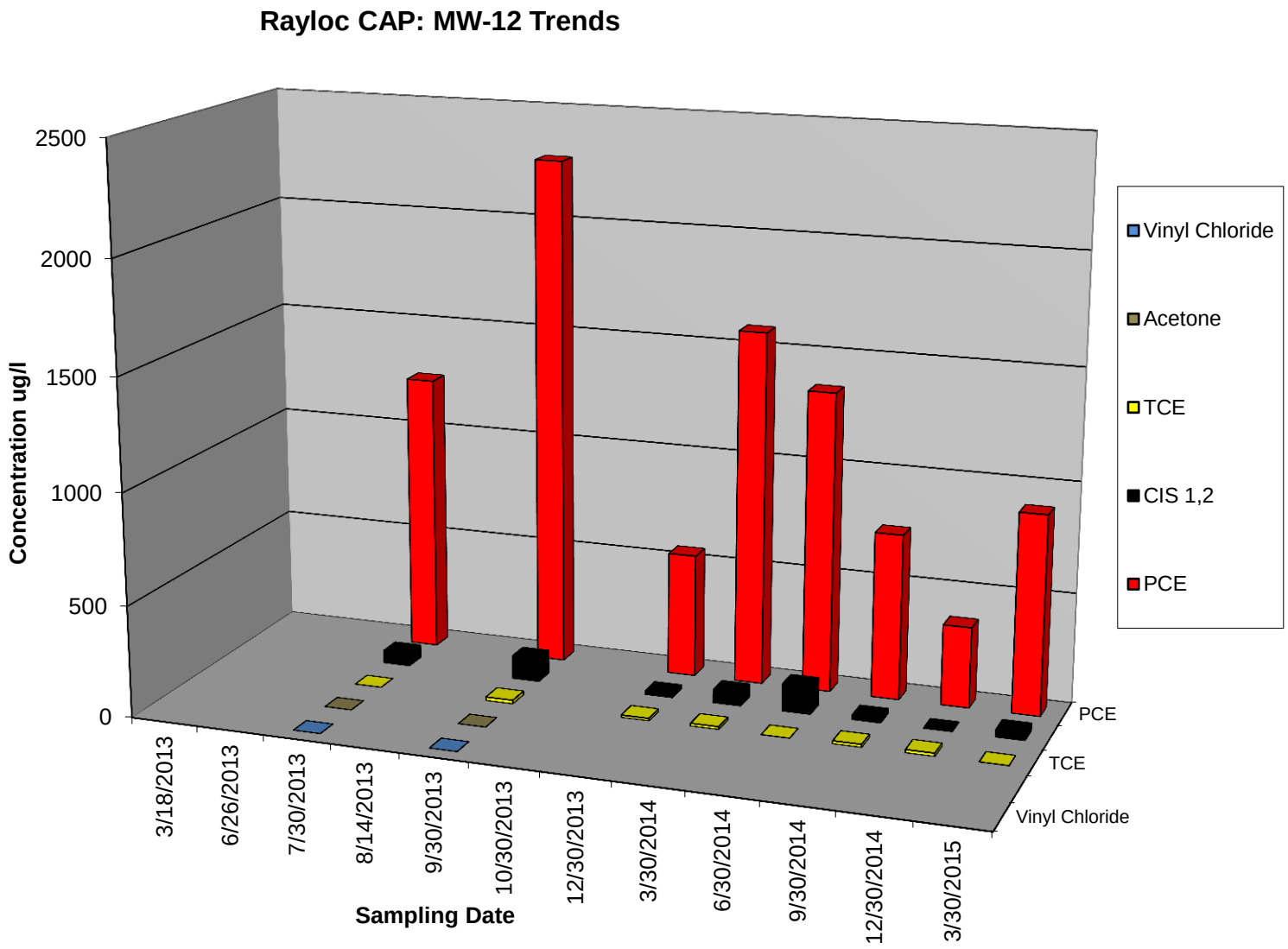
Concentration ug/l
3500
3000
2500
2000
1500
1000
500
0
3/18/2013
6/26/2013
7/30/2013
8/14/2013
9/30/2013
10/30/2013
12/30/2013
3/30/2014
6/30/2014
9/30/2014
12/30/2014
3/30/2015
Sampling Date
Vinyl Chloride
Acetone
TCE
CIS 1,2
PCE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Concentration ug/l
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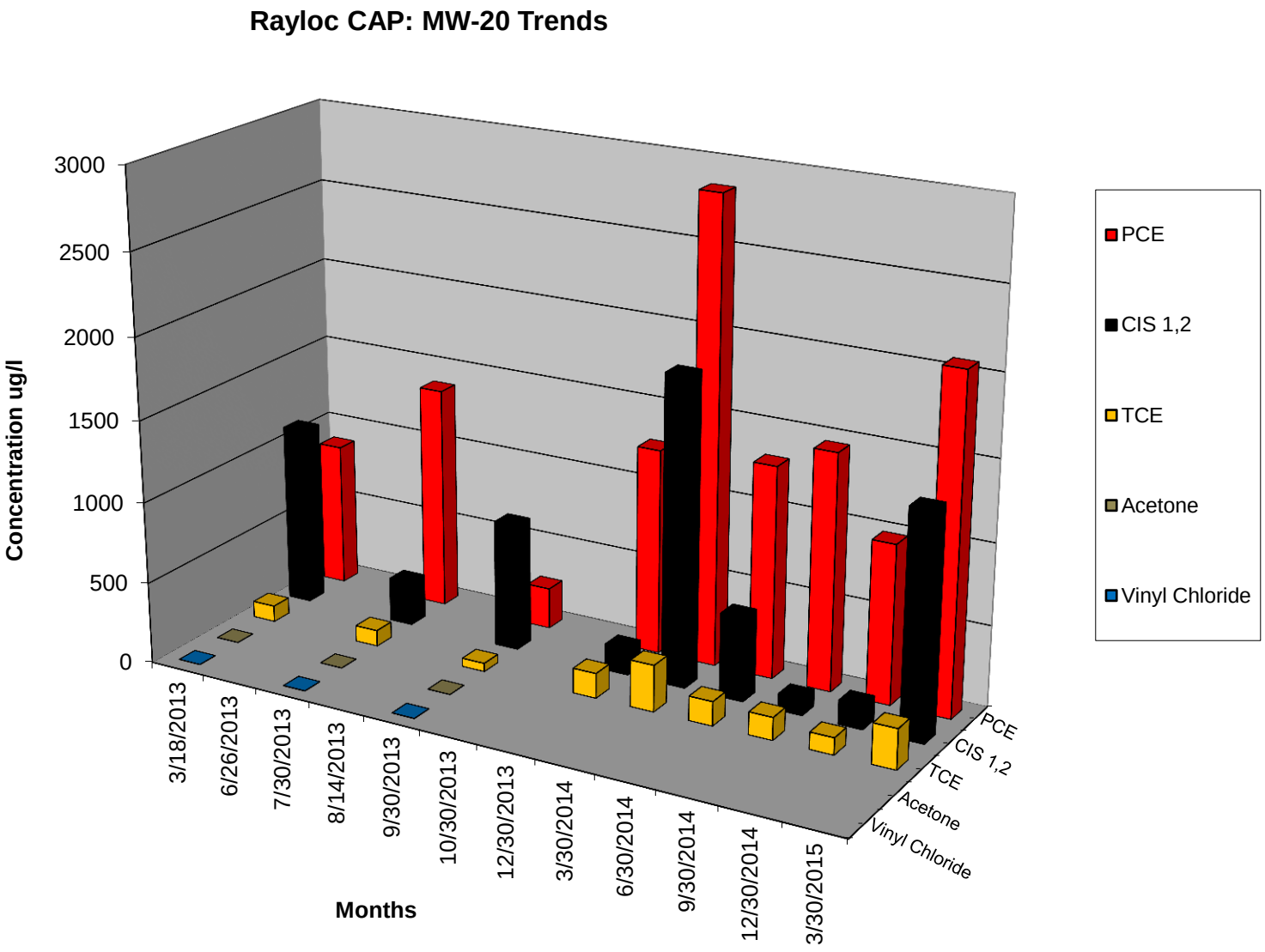
2000
1500
1000
500
0
3/18/2013
6/26/2013
7/30/2013
8/14/2013
9/30/2013
10/30/2013
12/30/2013
3/30/2014
6/30/2014
9/30/2014
12/30/2014
3/30/2015
Sampling Date
PCE
TCE
Vinyl Chloride
Vinyl Chloride
Acetone
TCE
CIS 1,2
PCE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Concentration ug/l
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2500
2000
1500
1000
500
0
3/18/2013
6/26/2013
7/30/2013
8/14/2013
9/30/2013
10/30/2013
12/30/2013
3/30/2014
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Months
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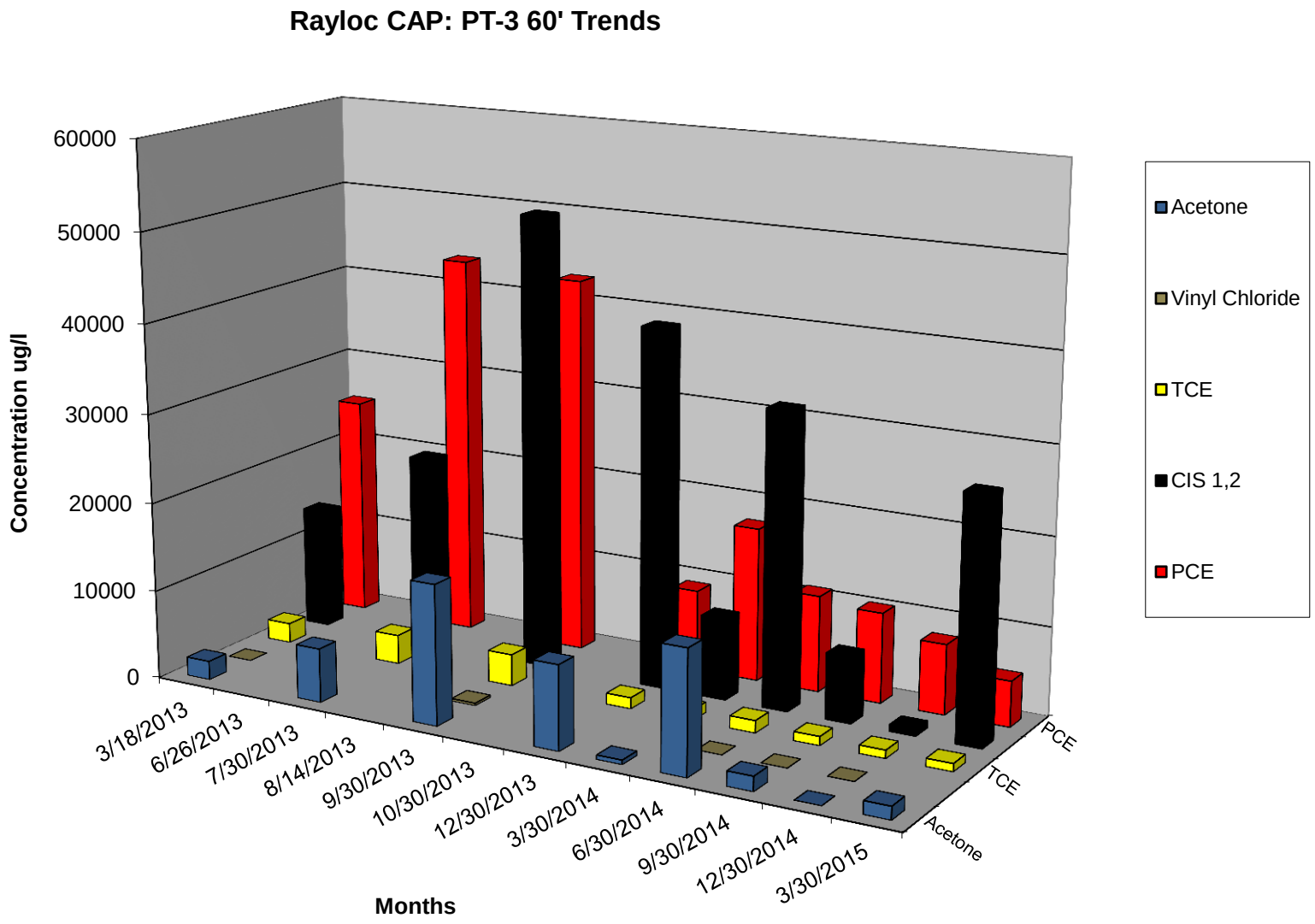
CIS 1,2
TCE
Acetone
Vinyl Chloride


Rayloc CAP: PT-3 60' Trends
Concentration ug/l
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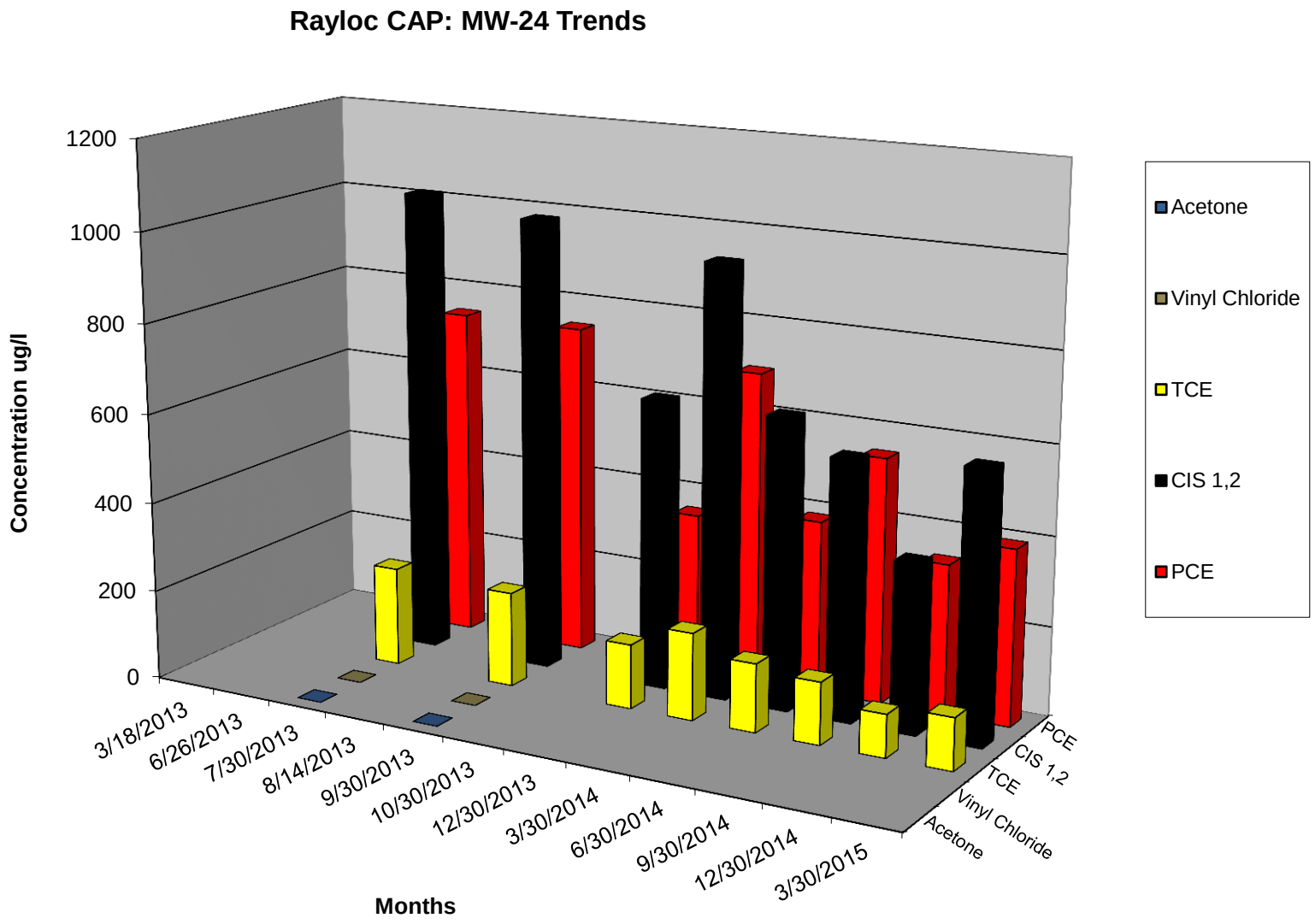
50000
40000
30000
20000
10000
0
3/18/2013
6/26/2013
7/30/2013
8/14/2013
9/30/2013
10/30/2013
12/30/2013
3/30/2014
6/30/2014
9/30/2014
12/30/2014
3/30/2015
Months
PCE
TCE
Acetone
Acetone
Vinyl Chloride
TCE
CIS 1,2
PCE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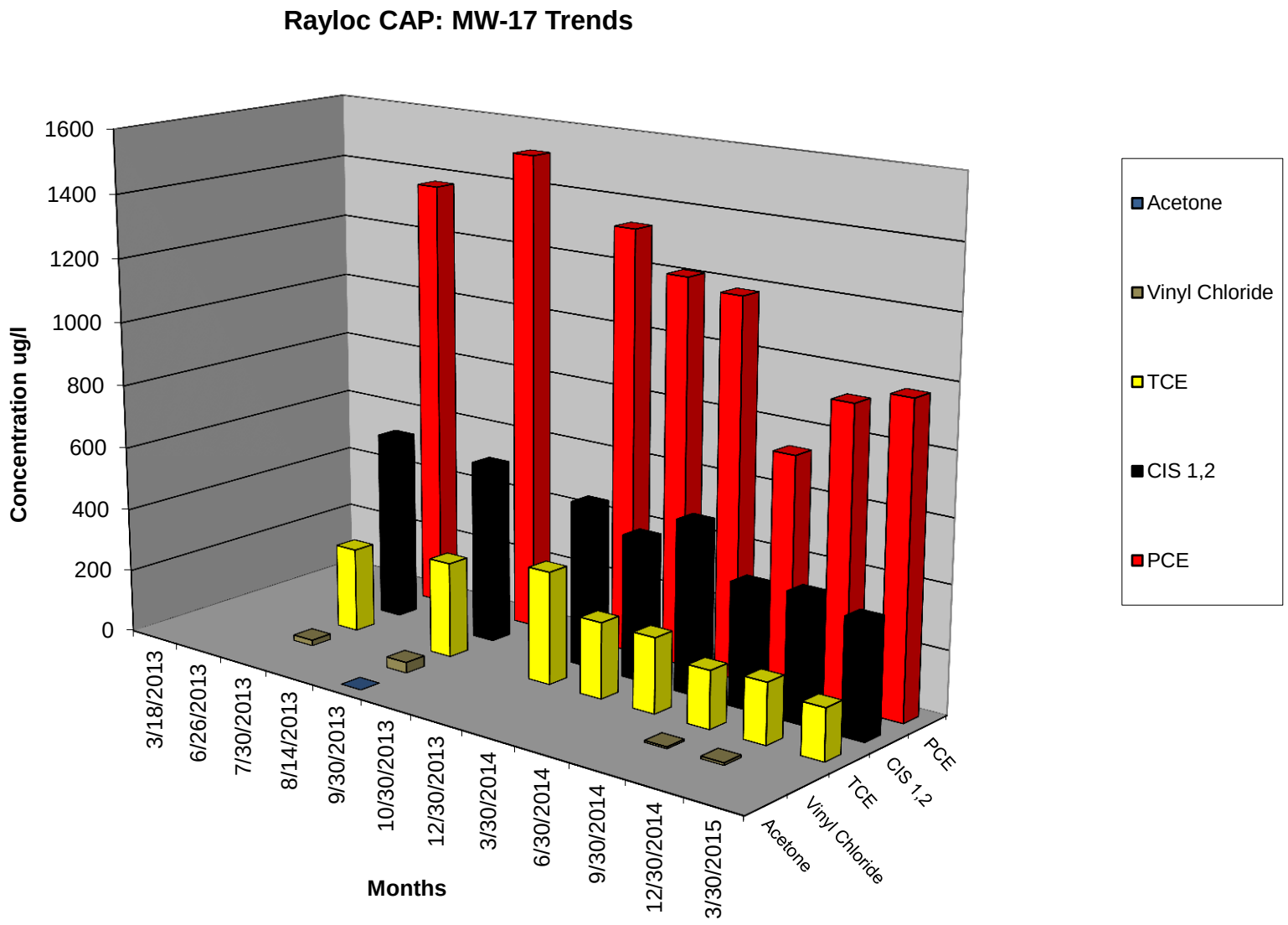
Concentration ug/l
1200
1000
800
600
400
200
0
3/18/2013
6/26/2013
7/30/2013
8/14/2013
9/30/2013
10/30/2013
12/30/2013
3/30/2014
6/30/2014
9/30/2014
12/30/2014
3/30/2015
Months
PCE
CIS 1,2
TCE
Vinyl Chloride
Acetone
Acetone
Vinyl Chloride
TCE
CIS 1,2
PCE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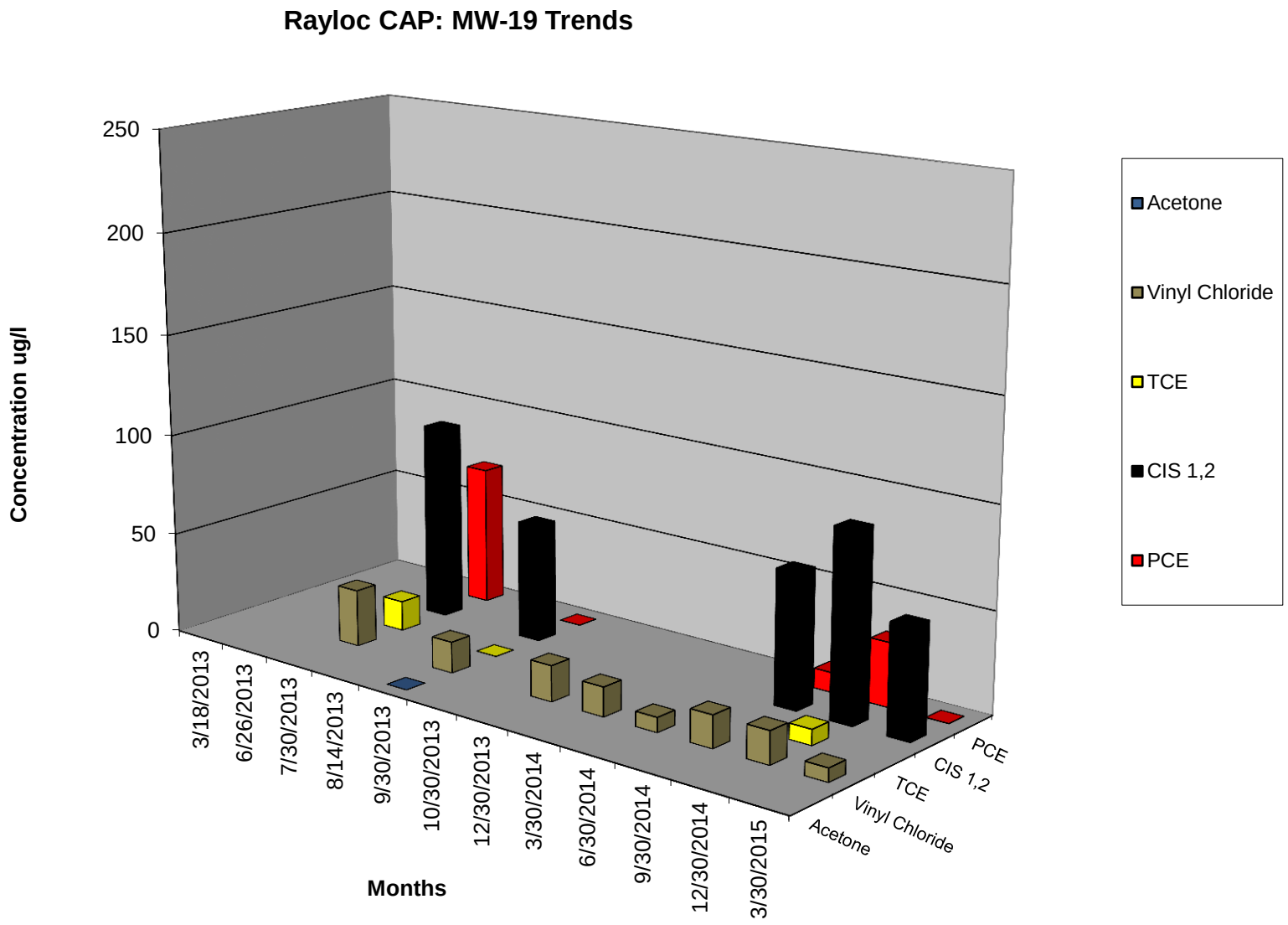
Concentration ug/l
1600
1400
1200
1000
800
600
400
200
0
3/18/2013
6/26/2013
7/30/2013
8/14/2013
9/30/2013
10/30/2013
12/30/2013
3/30/2014
6/30/2014
9/30/2014
12/30/2014
3/30/2015
Months
Acetone
Vinyl Chloride
TCE
CIS 1,2
PCE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Concentration ug/l
250
200
150
100
50
0
3/18/2013
6/26/2013
7/30/2013
8/14/2013
9/30/2013
10/30/2013
12/30/2013
3/30/2014
6/30/2014
9/30/2014
12/30/2014
3/30/2015
Months
Acetone
Vinyl Chloride
TCE
CIS 1,2
PCE