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

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

Document Submittal Form

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

Name of Document:	Semi-Annual Progress Report No. 8, Voluntary Remediation Program
Date of Document:	October 4, 2017
Site Name:	Rayloc Facility
Site ID Number:	10547

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

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

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☒ 3. The electronic copies are complete, virus free, and identical to the paper copy except as described in Item 4 below.

☐ 4. (Optional) To reduce the size of the paper copy, certain voluminous information has been omitted from the paper copy and is included only with the electronic copies:

☐ laboratory data sheets ☐ manifests

☐ other: NA

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

Signature: Jack A. Wintle

Name (printed):	Jack A. Wintle
Date:	10/4/2017
Organization:	Clearwater Env Resources, LLC
Phone:	678 491-4601
Email:	Jack.wintle@clearwaterenv.net

Receipt Date
(for EPD use only)

CLEARWATER ENVIRONMENTAL RESOURCES, LLC

SEMI-ANNUAL
PROGRESS REPORT NO. 8
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

OCTOBER 4, 2017

CLEARWATER ENVIRONMENTAL RESOURCES, LLC

October 4, 2017

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. 8**
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 8th Semi-Annual Progress Report for the Rayloc facility. This report describes the actions taken at the site since the 7th Semi-Annual VRP Progress Report was submitted on April 7, 2017.

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 INTRODUCTI ON

A Voluntary Remediation Plan 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.

Clearwater has operated an Air Sparge/Soil Vapor Extraction system using the gas-infusion technology and gravity fed In-Situ Chemical Oxidation (ISCO) to the only area of soil impact identified within the former Rayloc building with the objective of achieving Type 3 Risk Reduction Standards (RRS). Further, Clearwater has successfully completed excavation of impacted soils identified outside of the Rayloc building during the PPCAP investigation. Pilot studies are planned to provide more effective groundwater remediation and should be in place prior to the next VRP report.

1.1 Groundwater Sampling Protocol

Groundwater sampling activities at the Rayloc Facility are completed using Passive Diffusion Bags (PDBs) as approved by the Georgia EPD. Clearwater understands that PDBs can be used for periodic sampling but cannot be used to certify risk reduction standards.

PDB samplers are made of low density polyethylene (LDPE), which acts as a semi-permeable membrane. Volatile organic compounds (VOCs), excluding certain ketones, ethers and alcohols, diffuse readily through the membrane. An equilibrium is established between the VOCs in the bag and those in the groundwater. The PDB Sampler is filled with analyte-free water and is in the shape of a long cylindrical tube.

Clearwater completes field sampling logs for each well which include the trade name of the PDB, the date and water level when deployed and again when recovered, and finally the condition of the PDB when recovered.

Upon retrieval, usually at least 14 days after deployment, bags are opened to fill vials and returned to the laboratory for analysis. This method was selected based on the target depth of the samples and the objective of minimizing investigation-derived waste (IDW).

Following collection in laboratory-supplied containers, groundwater samples are stored on ice as a preservative and delivered to the designated lab under chain-of-custody protocols.

2.0 MILESTONES COMPLETED SINCE April 7, 2017

Although remedial activities are ongoing and under constant review for effectiveness, no milestones have been completed since April 7, 2017.

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 Source Area Remediation

Due to additional site work and contractual requirements necessary to prepare for the planned soil blending remediation of the source area discussed in the April 2017 VRP report, Clearwater has rescheduled the soil blending work for February/March 2018.

This work will include excavation and treatment of the top 30 to 35 feet of impacted soil and in-situ treatment of impacted soil from 30 or 35 to 45 feet with either a rotary drum blender or excavator bucket using either potassium permanganate or an enhanced reductive dechlorination product. Clearwater anticipates that this work will be completed within 2 to 3 months, weather permitting.

Clearwater has been performing a gravity fed in-situ chemical oxidation (ISCO) using sodium persulfate in six (6) existing injection wells in the source area in an to attempt to accelerate the groundwater remedial process. This work was initiated in order to best utilize the existing groundwater injection wells in the source area prior to losing them to the soil blending project when they will be removed to allow the soil blending activities. Clearwater will continue this source area remedial effort until the soil blending activities begin.

3.2 Former Parts Disassembly and Cleaning Area (PDA) Remedial System

Clearwater has operated an Air Sparge/Soil Vapor Extraction (AS/SVE) system in the former PDA area since April 2015 which utilizes gas-infusion technology.

Environmental X_2 Contracting, Inc. (X2) is a remedial contractor at Rayloc and has an active remedial system in the PDA area.

Since March 2016, 90% of the PCE mass in the treatment area has been reduced. To expedite the remaining PCE, a gravity fed in-situ chemical oxidation (ISCO) using sodium persulfate and hydrogen in existing injection wells was initiated in January 2017 in 7 injection wells instead of just 3. Effluent from the activated carbon exhaust was non-detect or only had minimal detections for VOCs from May to September after a breakthrough in April. The carbon was changed out in April. Please refer to Table 4 for the Monthly Effluent Air Effluent Sampling Results.

Clearwater has continued to collect verification soil samples from the same locations within the PDA area quarterly to compare results allowing X_2 to adjust injection or extraction flows and/or gas concentrations to provide more effective remediation of the impact. Please refer to Table 1 for a summary of historical PDA sampling results and

Figure 2 for a figure showing the PDA sampling locations and September 2017 sampling event results. June and September 2017 PDA laboratory data are located in Appendix A.

3.3 Groundwater Remedial System

In early October 2015, as part of the November 12, 2015 Performance Management Plan (PMP), Clearwater collected groundwater samples from the twenty (20) compliance wells at the Rayloc facility. These compliance wells are scheduled to be sampled again in October 2017 (every other October). Therefore the October 2015 Compliance Groundwater Sampling (Figure 4), Potentiometric Surface (Figure 5) and Isoconcentration map (Figure 6) are again included in this report although the associated tables, laboratory data, and field logs from the VRP Semi-Annual Progress Report #6 are not included.

Clearwater has terminated the X2 Groundwater Remedial System due to a lack of effectiveness mostly due to the tight geologic formation and is in the process of performing pilot studies to determine a more effective solution, possibly using a gravity fed system.

Please refer to Table 2 for a summary of the Historical X2 Remedial System Sampling Results, Figure 3 for a figure showing the June 2017 X2 Remedial System Sampling Results, and Figure 7 for a figure showing the December 2016 X2 Remedial System Isoconcentration Map. March and June 2017 laboratory data is located in Appendix B, Sampling Logs for the March and June 2017 sampling events are located in Appendix C.

3.4 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 at the Rayloc property. The soil impact within the Rayloc building (PDA Area) is being addressed as previously discussed.

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 currently used areas. The only area currently being consistently used is the high-ceilinged warehouse where 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."

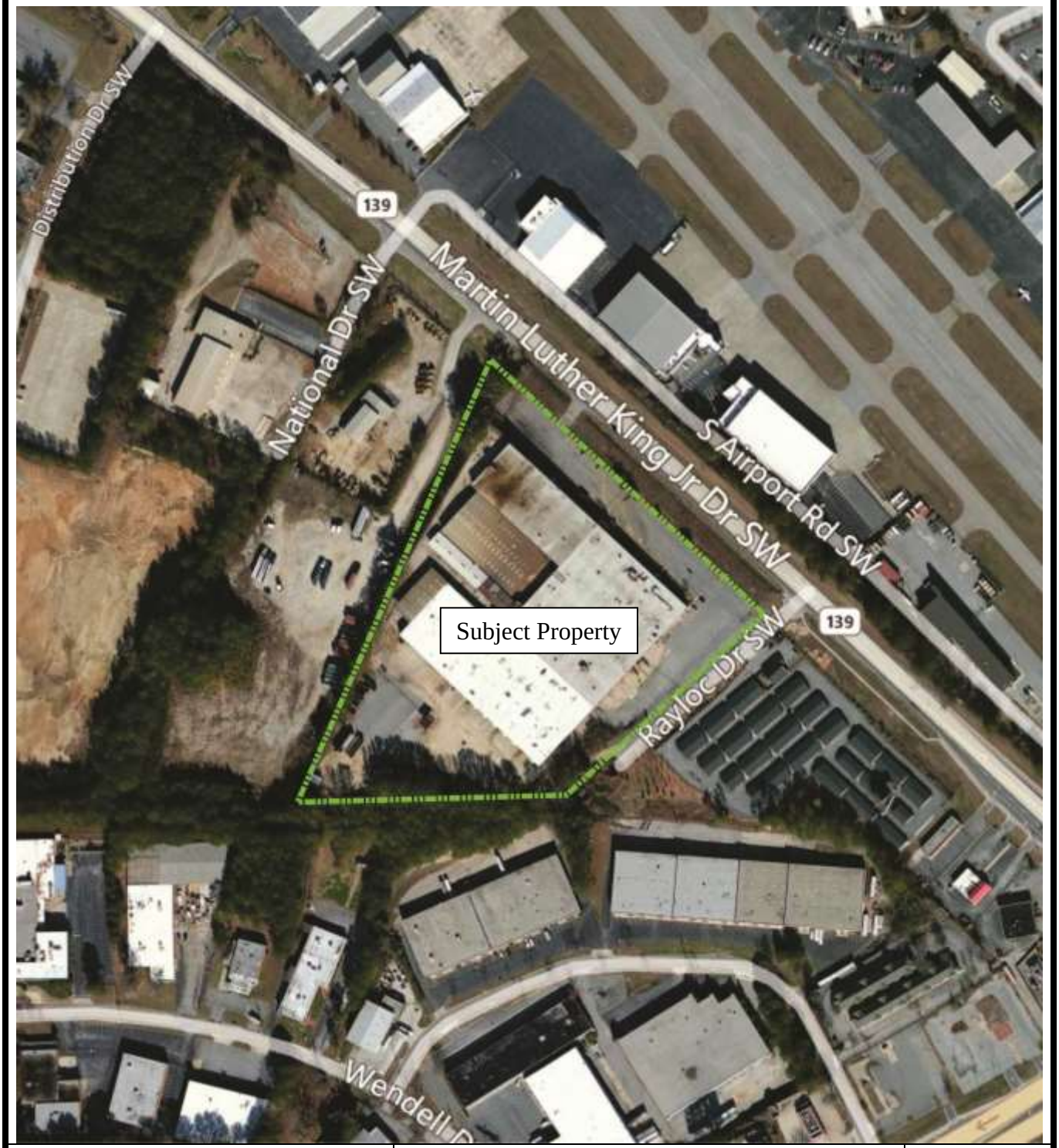
Please refer to Table 3 for a Summary of Professional Oversight Hours.

Jack A. Wintle P.G.
Senior Environmental Geologist

Date: October 4, 2017

Geologist Seal

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		

ADD-2	5'	10'
Cis -	3.32	5.20
PCE -	31.4	11.5
TCE -	1.79	3.55
VC -	<0.221	0.222

ADD-1	6'	10'
Cis -	9.83	2.51
PCE -	56.2	24.6
TCE -	2.60	4.26
VC -	<0.444	<0.186

WD-11 @ 10'	
Cis -	0.28
PCE -	3.19
TCE -	<0.203
VC -	<0.203

WD-8 @ 5'	
Cis -	2.89
PCE -	22.2
TCE -	0.552
VC -	<0.227

WD-4 @ 10'	
Cis -	0.79
PCE -	3.04
TCE -	0.482
VC -	<0.187

WD-2 @ 10'	
Cis -	<0.211
PCE -	0.55
TCE -	<0.211
VC -	<0.211

PD-2 @ 10'	
Cis -	<0.209
PCE -	0.427
TCE -	<0.209
VC -	<0.209

PDA-E-7
ADD-2
WD-9
PDA-I-6
PDA-E-6
ADD-1
PDA-E-10
PDA-I-8
PDA-E-11
WD-1
WD-4
PDA-I-5
WD-11
WD-8
PDA-E-5
PD-1
PDA-E-9
PDA-I-7
PDA-I-4
WD-2
WD-10
PDA-E-4
WD-5
WD-12
PDA-I-3
PDA-E-8
PD-2
PDA-E-3
WD-3
PDA-I-2
WD-6
PD-3
PDA-E-2
PDA-I-1
WD-7
PDA-E-1

LOCATION OF FORMER
PARTS DISASSEMBLY
AND CLEANING AREA

LEGEND

- Soil Sample Boring
- Injection/Extraction Well

MW-##	
Cis -	##
PCE -	##
TCE -	##
VC -	##

Monitoring Well Identification Tag
Cis - Cis-1-2-Dichloroethene
PCE - Tetrachloroethene
TCE - Trichloroethene
VC - Vinyl chloride

Results in ppm

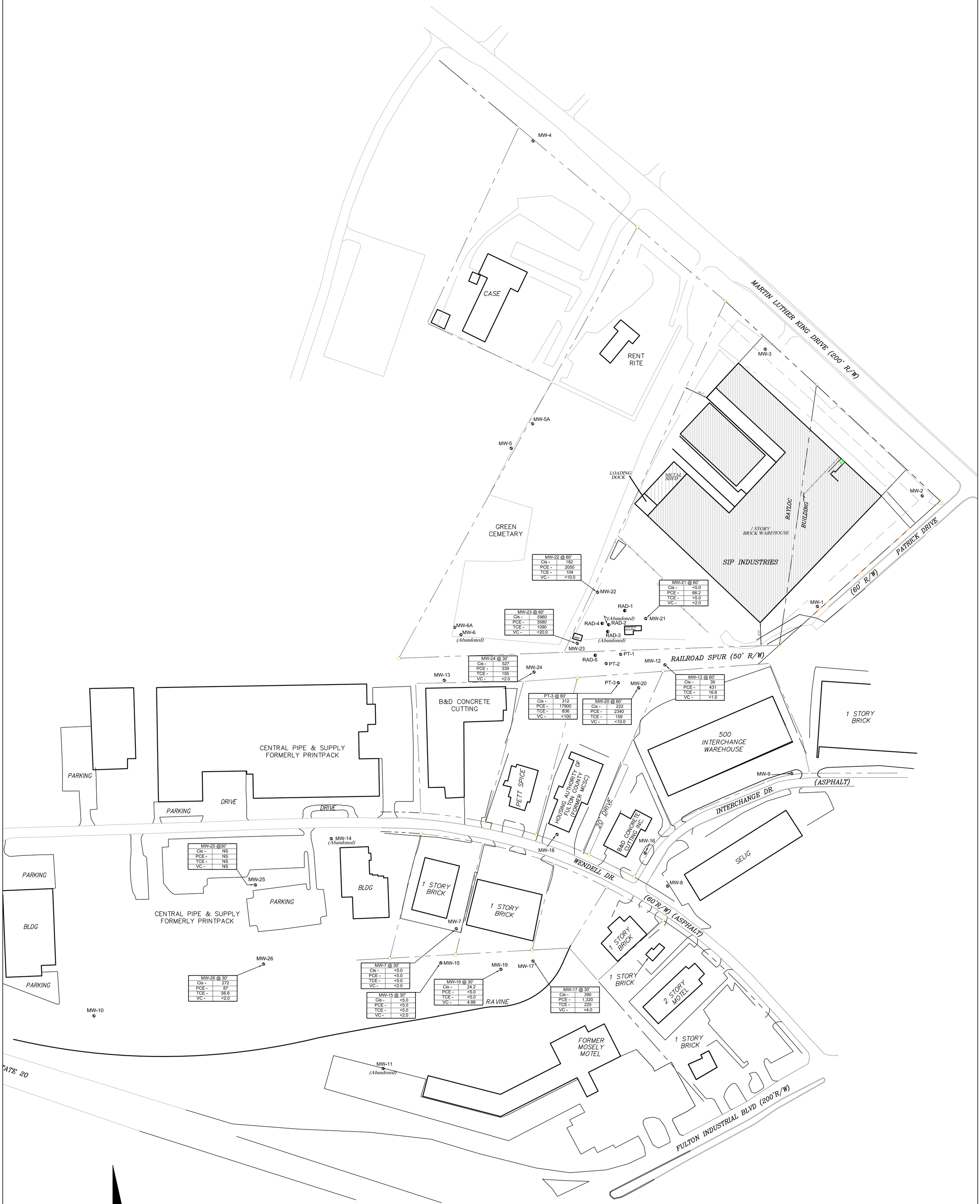
0 5' 10'
Approximate Scale In Feet

N

Note: PDA Sampling Results (September 2017)

CLEARWATER ENVIRONMENTAL RESOURCES, LLC	*Drawing:* Rayloc_PDA 9-26-2017.dwg	FIGURE 2
	Revision #: 0	September 2017 PDA Sampling Results
	Date: 09/2017	RAYLOC FACILITY
	Project #: 1502-1-3	SEPTEMBER 2017

Rayloc_PDA 9-26-2017.dwg



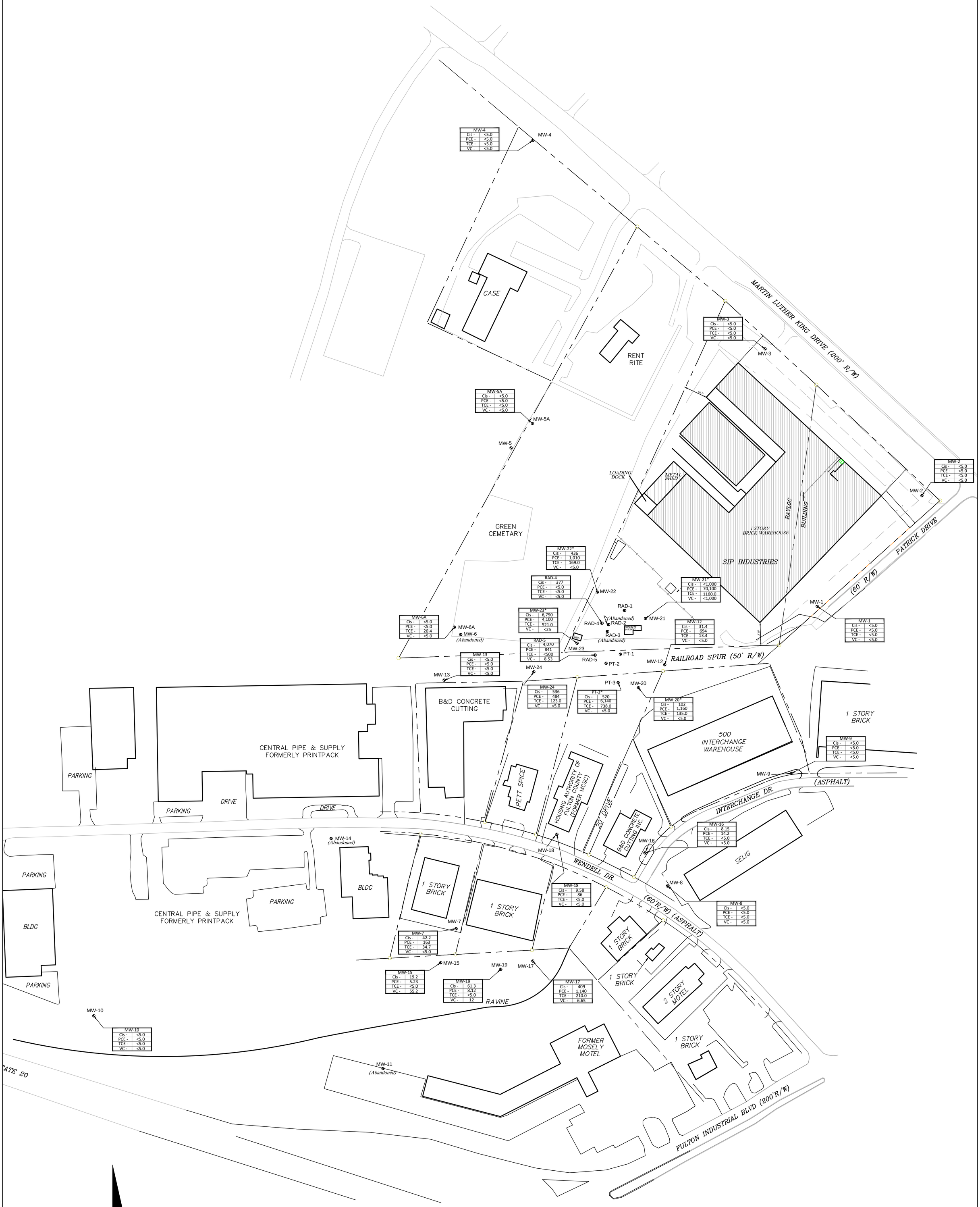
Rayloc 9-26-2017.dwg

CLEARWATER ENVIRONMENTAL RESOURCES, LLC

Drawing:	Rayloc 9-26-2017.dwg	FIGURE 3
Revision #:	0	JUNE 2017 REMEDIAL SYSTEM SAMPLING RESULTS
Date:	09/2017	RAYLOC FACILITY
Project #:	1502-1-3	SEPTEMBER 2017

Clearwater Environmental Resources, LLC
October 2015

Genuine Parts Company
Atlanta, GA



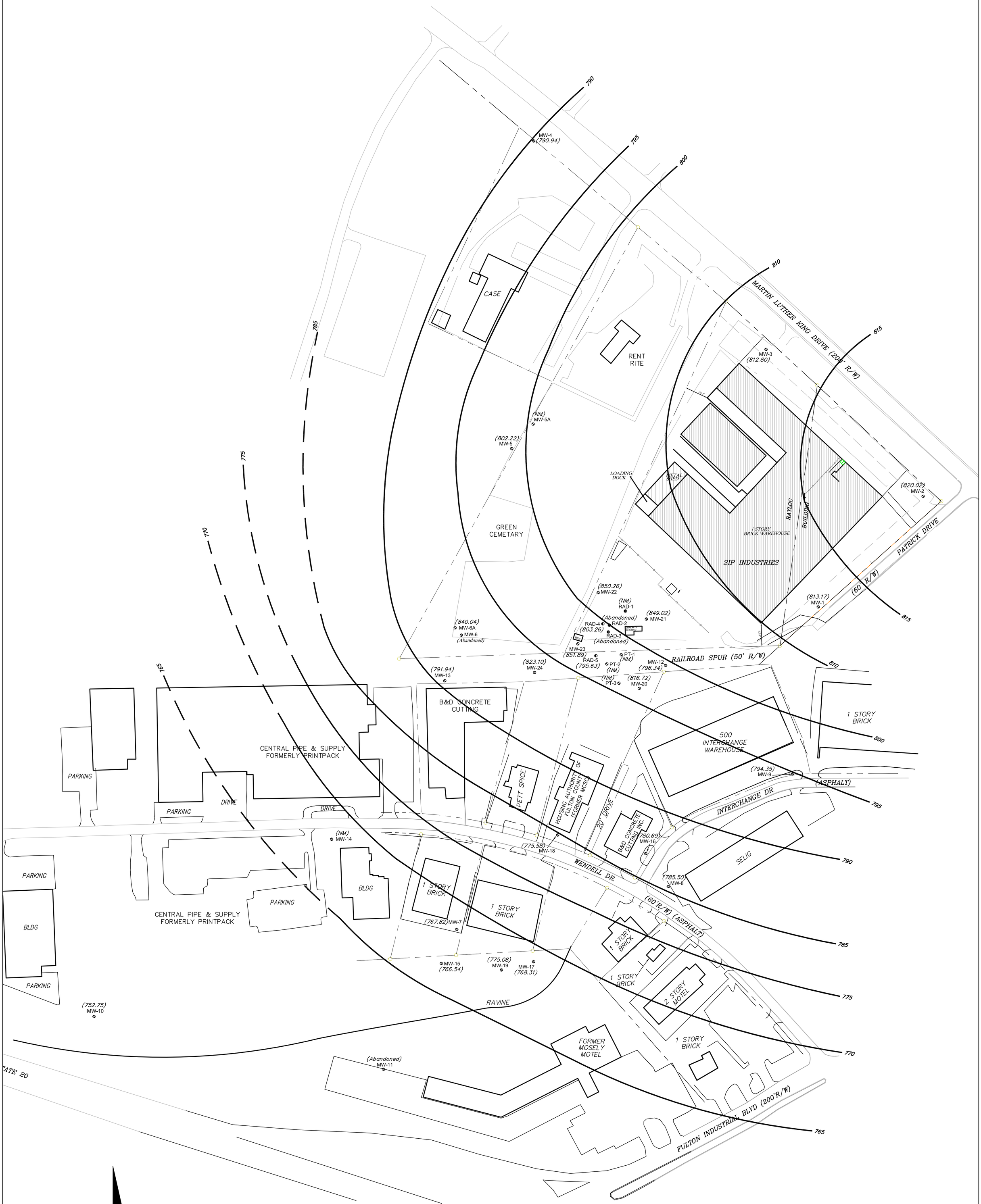
Rayloc Sept2016.dwg

CLEARWATER ENVIRONMENTAL RESOURCES, LLC

Drawing:	Rayloc Sept2016.dwg	FIGURE 4
Revision #:	0	OCTOBER 2015 COMPLIANCE WELL SAMPLING RESULTS
Date:	09/2016	RAYLOC FACILITY
Project #:	1502-1-3	SEPTEMBER 2016

Clearwater Environmental Resources, LLC
October 2015

Genuine Parts Company
Atlanta, GA



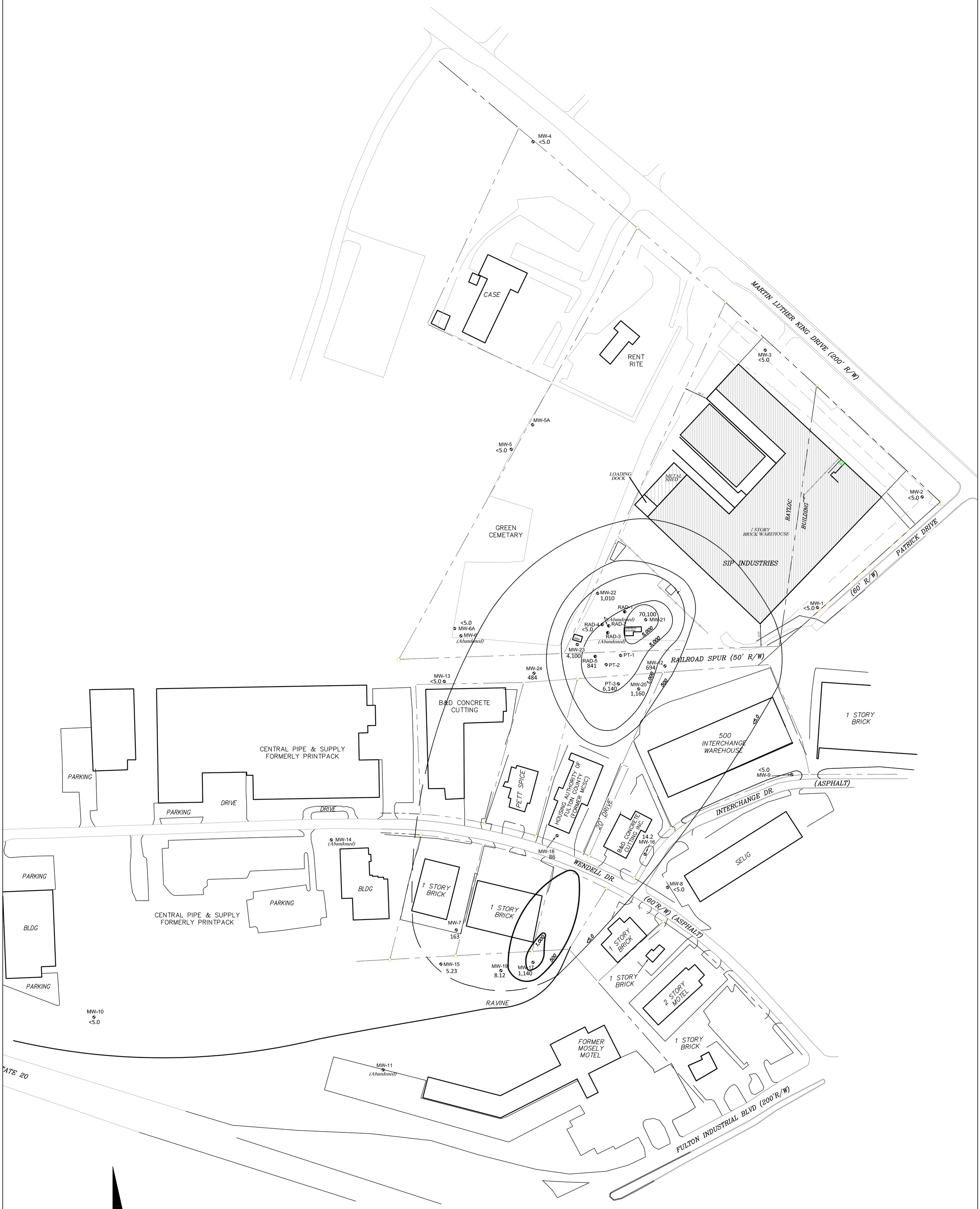
CLEARWATER ENVIRONMENTAL RESOURCES, LLC

Drawing:	Rayloc 4-1-2017.dwg	FIGURE 5
Revision #:	0	OCTOBER 2015 POTENTIOMETRIC-SURFACE MAP
Date:	03/2017	RAYLOC FACILITY
Project #:	1502-1-3	MARCH 2017

Rayloc 4-1-2017.dwg

Clearwater Environmental Resources, LLC
October 2015

Genuine Parts Company
Atlanta, GA

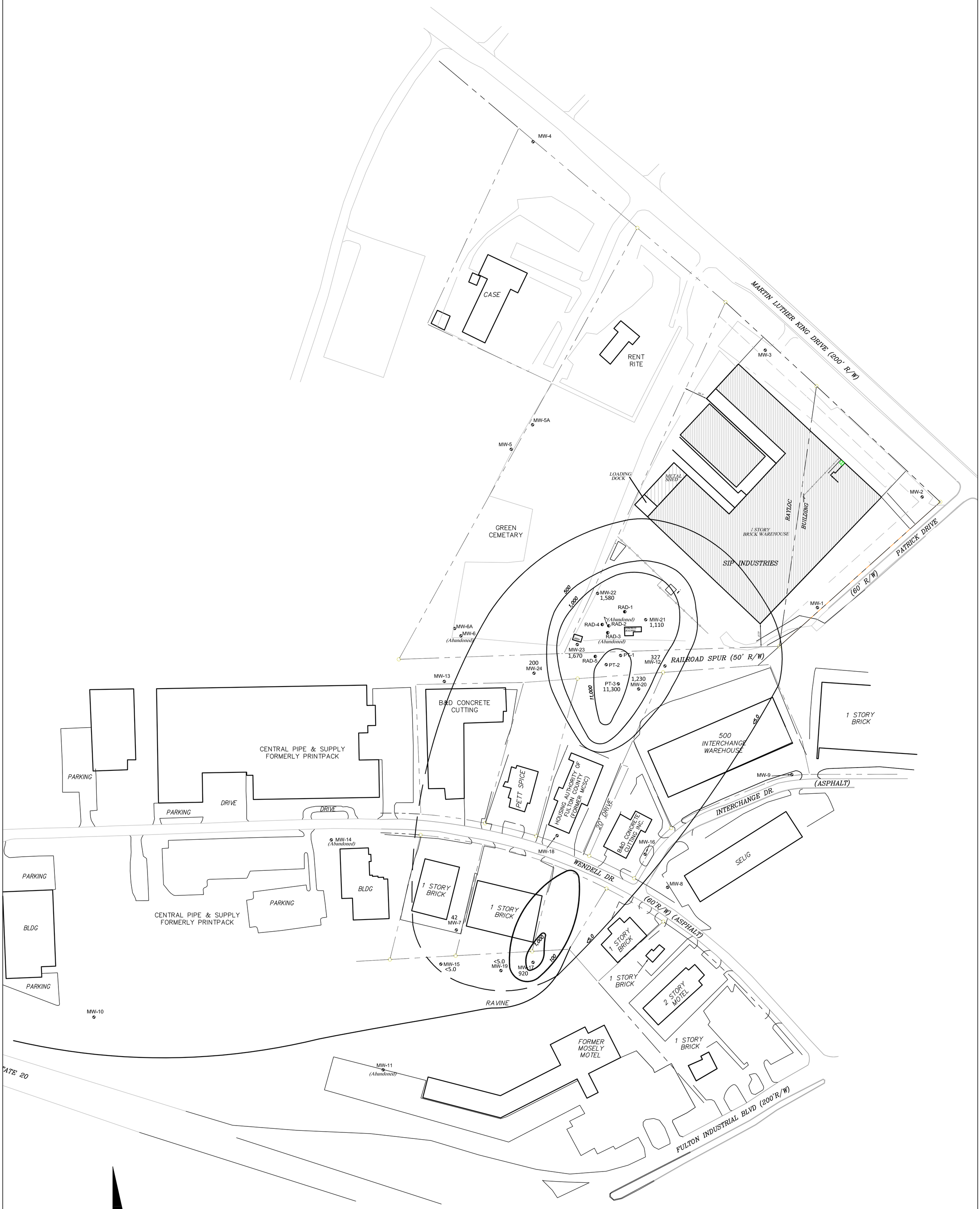


Rayloc 4-1-2017.dwg

CLEARWATER ENVIRONMENTAL RESOURCES, LLC	*Drawing:* Rayloc 4-1-2017.dwg	FIGURE 6
	Revision #: 0	OCTOBER 2015 PCE ISOCONCENTRATION MAP
	Date: 03/2017	RAYLOC FACILITY
	Project #: 1502-1-3	MARCH 2017

Sage Environmental Consulting, L.P.
October 2015

Genuine Parts Company
Atlanta, GA



Rayloc 4-6-2017.dwg

CLEARWATER ENVIRONMENTAL RESOURCES, LLC

Drawing:	Rayloc 4-6-2017.dwg	FIGURE 7
Revision #:	0	DECEMBER 2016 PCE ISOCONCENTRATION MAP
Date:	03/2017	RAYLOC FACILITY
Project #:	1502-1-3	MARCH 2017

Sage Environmental Consulting, L.P.
October 2015

Genuine Parts Company
Atlanta, GA

TABLES

Table 1
Historical Quarterly PDA Sampling Results
Semi-Annual Progress Report #8

October 2017
Rayloc Facility
HSI# 10547

Sample Location	PD-2	PD-2	PD-2	PD-2	PD-2	PD-2	PD-2	PD-2	PD-2	PD-2	PD-2
Sample Date	1/14/2014	6/26/2015	8/20/2015	10/19/2015	12/14/2015	3/10/2016	6/8/2016	12/13/2016	3/9/2017	6/21/2017	8/30/2017
Sample Depth	10	10	10	10	10	10	10	10	10	10	10
1,2,4-Trimethylbenzene	0.404	<0.238	<0.193	<2.43	<0.183	<0.233	<0.187	<0.004	<0.196	<0.005	<0.209
1,2-Dichlorobenzene	--	<0.238	<0.193	<2.43	<0.183	<0.233	<0.187	<0.004	<0.196	<0.005	<0.209
1,2-Dichloroethane	0.404	<0.238	<0.193	<2.43	<0.183	<0.233	<0.187	<0.004	<0.196	<0.005	<0.209
1,2-Dichloroethene (Total)	--	<0.476	<0.193	<2.43	<0.183	<0.233	0.591	<0.004	<0.196	<0.005	<0.209
1,3,5-Trimethylbenzene	0.404	<0.238	<0.193	<2.43	<0.183	<0.233	<0.187	<0.004	<0.196	<0.005	<0.209
1,4-Dichlorobenzene	0.404	<0.238	<0.193	<2.43	<0.183	<0.233	<0.187	<0.004	<0.196	<0.005	<0.209
2-Butanone	0.404	<0.238	<0.193	<2.43	<0.183	<0.233	<0.187	<0.004	<0.196	<0.005	<0.209
Acetone	2.02	<1.19	<0.967	<1.03	<0.913	<1.16	<0.934	<0.019	<0.980	0.37	<1.04
Benzene	0.404	<0.238	<0.193	<2.43	<0.183	<0.233	<0.187	<0.004	<0.196	<0.005	<0.209
Bromomethane	--	<0.238	<0.193	<2.43	<0.183	<0.233	<0.187	<0.004	<0.196	<0.005	<0.209
Carbon Disulfide	--	<0.238	<0.193	<2.43	<0.183	<0.233	<0.187	<0.004	<0.196	<0.005	<0.209
Cis-1,2-dichloroethene	1.73	0.312	0.197	2.35	0.366	<0.233	0.572	0.006	<0.196	0.026	<0.209
Ethylbenzene	0.404	<0.238	<0.193	<2.43	<0.183	<0.233	<0.187	<0.004	<0.196	<0.005	<0.209
m,p-Xylene	--	<0.476	<0.193	<2.43	<0.183	<0.233	<0.187	<0.004	<0.196	<0.005	<0.209
o-Xylene	--	<0.238	<0.193	<2.43	<0.183	<0.233	<0.187	<0.004	<0.196	<0.005	<0.209
Naphthalene	0.404	<0.238	<0.193	<2.43	<0.183	<0.233	<0.187	<0.004	<0.196	<0.005	<0.209
Styrene	0.404	<0.238	<0.193	<2.43	<0.183	<0.233	<0.187	<0.004	<0.196	<0.005	<0.209
Tetrachloroethene	**115**	**4.32**	**1.00**	**13.30**	**4.76**	**1.11**	**3.57**	0.047	**2.59**	**0.706**	0.427
Toluene	0.404	<0.238	<0.193	<2.43	<0.183	<0.233	<0.187	<0.004	<0.196	<0.005	<0.209
Trichloroethene	**1.69**	0.445	0.415	**2.33**	0.259	<0.233	0.477	<0.004	<0.196	0.019	<0.209
Vinyl Chloride	**0.404**	<0.238	<0.193	<2.43	<0.183	<0.233	<0.187	<0.004	<0.196	<0.005	<0.209
Xylenes, Total	0.807	<0.714	<0.580	<0.618	<0.548	<0.699	<0.560	<0.011	<0.588	<0.016	<0.626

Notes:
NS - Not Sampled
Matrix: soil
Units: mg/kg
Indicates detection of compound greater than Type 3 HSRA RRS .

Table 2 (continued)

WD-2	WD-2	WD-2	WD-2	WD-2	WD-2	WD-2	WD-2	WD-2	WD-2	WD-2	WD-2
8/28/2014	6/26/2015	8/20/2015	10/19/2015	12/14/2015	3/10/2016	6/8/2016	9/7/2016	12/13/2016	3/9/2017	6/21/2017	8/30/2017
10	10	10	10	10	10	10	10	10	10	10	10
< 33.6	<0.209	<0.246	<0.265	<0.380	<0.525	<0.230	<0.201	<0.279	<0.197	<0.269	<0.211
< 33.6	<0.209	<0.246	<0.265	<0.380	<0.525	<0.230	<0.201	<0.279	<0.197	<0.269	<0.211
< 33.6	<0.209	<0.246	<0.265	<0.380	<0.525	<0.230	<0.201	<0.279	<0.197	<0.269	<0.211
< 67.2	<0.419	<0.246	<0.265	<0.380	4.55	<0.460	<0.402	<0.279	<0.197	<0.269	<0.211
< 33.6	<0.209	<0.246	<0.265	<0.380	<0.525	<0.230	<0.201	<0.279	<0.197	<0.269	<0.211
< 33.6	<0.209	<0.246	<0.265	<0.380	<0.525	<0.230	<0.201	<0.279	<0.197	<0.269	<0.211
< 33.6	<0.209	<0.246	<0.265	<0.380	<0.525	<0.230	<0.201	<0.279	<0.197	<0.269	<0.211
< 168	<1.05	<1.23	<1.33	<1.90	<2.63	<1.15	<0.201	<1.40	<0.984	<1.34	<1.06
< 33.6	<0.209	<0.246	<0.265	<0.380	<0.525	<0.230	<0.201	<0.279	<0.197	<0.269	<0.211
< 33.6	<0.209	<0.246	<0.265	<0.380	<0.525	<0.230	<0.201	<0.279	<0.197	<0.269	<0.211
< 33.6	<0.209	<0.246	<0.265	<0.380	<0.525	<0.230	<0.201	<0.279	<0.197	<0.269	<0.211
< 33.6	0.242	<0.246	<0.265	0.737	4.55	<0.230	0.298	<0.279	0.263	<0.269	<0.211
< 33.6	<0.209	<0.246	<0.265	<0.380	<0.525	<0.230	<0.201	<0.279	<0.197	<0.269	<0.211
< 33.6	<0.419	<0.246	<0.265	<0.380	<0.525	<0.230	<0.201	<0.279	<0.197	<0.269	<0.211
< 33.6	<0.209	<0.246	<0.265	<0.380	<0.525	<0.230	<0.201	<0.279	<0.197	<0.269	<0.211
< 33.6	<0.209	<0.246	<0.265	<0.380	<0.525	<0.230	<0.201	<0.279	<0.197	<0.269	<0.211
< 33.6	<0.209	<0.246	<0.265	<0.380	<0.525	<0.230	<0.201	<0.279	<0.197	<0.269	<0.211
1,670	**15**	**42.2**	**3.46**	**33.9**	**38.3**	**3.13**	**3.95**	**2.71**	**5.30**	**4.09**	**0.55**
< 33.6	<0.209	<0.246	<0.265	<0.380	<0.525	<0.230	<0.201	<0.279	<0.197	<0.269	<0.211
< 33.6	0.214		<0.265	**0.589**	**1.52**	<0.230	<0.201	<0.279	<0.197	<0.269	<0.211
< 33.6	<0.209	<0.246	<0.265	<0.380	<0.525	<0.230	<0.201	<0.279	<0.197	<0.269	<0.211
< 67.2	<0.628	<0.739	<0.796	<1.14	<1.58	<0.690	<0.604	<0.838	<0.588	<0.807	<0.634

Table 2 (continued)

WD-4	WD-4	WD-4	WD-4	WD-4	WD-4	WD-4	WD-4	WD-4	WD-4	WD-4	WD-4
8/28/2014	6/26/2015	8/20/2015	10/19/2015	12/14/2015	3/10/2016	6/8/2016	9/7/2016	12/13/2016	3/9/2017	6/21/2017	8/30/2017
10	10	10	10	10	10	10	10	10	10	10	10
< 46.5	<0.812	<0.205	<3.93	<4.04	<22.0	<2.17	3.38	<1.84	<4.37	<9.62	<0.187
< 46.5	<0.812	<0.205	<3.93	<4.04	<22.0	<2.17	<0.725	<1.84	<4.37	<9.62	<0.187
< 46.5	<0.812	<0.205	<3.93	<4.04	<22.0	<2.17	<0.725	<1.84	<4.37	<9.62	<0.187
< 93.0	1.94	<0.205	<3.93	<4.04	<22.0	<4.33	6.01	<1.84	<4.37	<9.62	<0.187
< 46.5	<0.812	<0.205	<3.93	<4.04	<22.0	<2.17	0.833	<1.84	<4.37	<9.62	<0.187
< 46.5	<0.812	<0.205	<3.93	<4.04	<22.0	<2.17	<0.725	<1.84	<4.37	<9.62	<0.187
< 46.5	<0.812	<0.205	<3.93	<4.04	<22.0	<2.17	<0.725	<1.84	<4.37	<9.62	<0.187
< 232	<4.06	<10.2	<3.93	<20.0	<110	<10.8	<3.62	<9.19	<21.8	<48.1	<0.933
< 46.5	<0.812	<0.205	<3.93	<4.04	<22.0	<2.17	<0.725	<1.84	<4.37	<9.62	<0.187
< 46.5	<0.812	<0.205	<3.93	<4.04	<22.0	<2.17	<0.725	<1.84	<4.37	<9.62	<0.187
< 46.5	<0.812	<0.205	<3.93	<4.04	<22.0	<2.17	<0.725	<1.84	<4.37	<9.62	<0.187
< 46.5	1.94	<0.205	**7.08**	6.51	<22.0	<2.17	5.74	2.98	<4.37	**14**	0.79
< 46.5	<0.812	<0.205	<3.93	<4.04	<22.0	<2.17	<0.725	<1.84	<4.37	<9.62	<0.187
< 46.5	<1.62	<0.205	<3.93	<4.04	<22.0	<2.17	<0.725	<1.84	<4.37	<9.62	<0.187
< 46.5	<0.812	<0.205	<3.93	<4.04	<22.0	<2.17	<0.725	<1.84	<4.37	<9.62	<0.187
< 46.5	<0.812	<0.205	<3.93	<4.04	<22.0	<2.17	<0.725	<1.84	<4.37	<9.62	<0.187
< 46.5	<0.812	<0.205	<3.93	<4.04	<22.0	<2.17	<0.725	<1.84	<4.37	<9.62	<0.187
2,190	**142**	**61.3**	**317**	**619**	**1280**	**137**	**99.2**	**218**	**487**	**1,060**	**3.04**
< 46.5	<0.812	<0.205	<3.93	<4.04	<22.0	<2.17	<0.725	<1.84	<4.37	<9.62	<0.187
< 46.5	4.89	<0.205	**6.12**	**9.24**	**<22.0**	**2.28**	**3.91**	**3.39**	**33.2**	**16.3**	0.482
< 46.5	<0.812	<0.205	<3.93	<4.04	<22.0	<2.17	<0.725	<1.84	<4.37	<9.62	<0.187
< 93.0	<2.43	<6.14	<11.8	<12.1	<66.0	<6.50	<2.17	<5.51	<13.1	<28.8	<0.560

Table 2 (continued)

WD-8	WD-8	WD-8	WD-8	WD-8	WD-8	WD-8	WD-8	WD-8	WD-8	WD-8	WD-8
11/17/2014	6/26/2015	8/20/2015	10/19/2015	12/14/2015	3/10/2016	6/8/2016	9/7/2016	12/13/2016	3/9/2017	6/21/2017	8/30/2017
5	5	5	5	5	5	5	5	5	5	5	5
<1.26	<17.5	<24.7	<0.996	<0.474	<27.1	<0.251	<0.232	<23.6	<7.24	<0.317	<0.227
<1.26	<17.5	<24.7	<0.996	<0.474	<27.1	<0.251	<0.232	<23.6	<7.24	<0.317	<0.227
<1.26	<17.5	<24.7	<0.996	<0.474	<27.1	<0.251	<0.232	<23.6	<7.24	<0.317	<0.227
<2.53	<35.1	<24.7	<0.996	<0.474	<27.1	6.31	6.50	<23.6	<7.24	<0.317	<0.227
<1.26	<17.5	<24.7	<0.996	<0.474	<27.1	<0.251	<0.232	<23.6	<7.24	<0.317	<0.227
<1.26	<17.5	<24.7	<0.996	<0.474	<27.1	<0.251	<0.232	<23.6	<7.24	<0.317	<0.227
<1.26	<17.5	<24.7	<0.996	<0.474	<27.1	<0.251	<0.232	<23.6	<7.24	<0.317	<0.227
<6.32	<87.6	<123	<0.996	<2.37	<135	<1.26	<1.16	<118	<36.2	<1.59	<1.14
<1.26	<17.5	<24.7	<0.996	<0.474	<27.1	<0.251	<0.232	<23.6	<7.24	<0.317	<0.227
<1.26	<17.5	<24.7	<0.996	<0.474	<27.1	<0.251	<0.232	<23.6	<7.24	<0.317	<0.227
<1.26	<17.5	<24.7	<0.996	<0.474	<27.1	<0.251	<0.232	<23.6	<7.24	<0.317	<0.227
<1.26	<17.5	<24.7	**8.74**	**11.1**	**30.6**	6.28	6.47	<23.6	<7.24	3.20	2.89
<1.26	<17.5	<24.7	<0.996	<0.474	<27.1	<0.251	<0.232	<23.6	<7.24	<0.317	<0.227
<1.26	<35.1	<24.7	<0.996	<0.474	<27.1	<0.251	<0.232	<23.6	<7.24	<0.317	<0.227
<1.26	<17.5	<24.7	<0.996	<0.474	<27.1	<0.251	<0.232	<23.6	<7.24	<0.317	<0.227
<1.26	<17.5	<24.7	<0.996	<0.474	<27.1	<0.251	<0.232	<23.6	<7.24	<0.317	<0.227
<1.26	<17.5	<24.7	<0.996	<0.474	<27.1	<0.251	<0.232	<23.6	<7.24	<0.317	<0.227
60.6	**1,660**	**1,920**	**43**	**52**	**2,590**	**34.8**	**29**	**2,880**	**526**	**26**	**22.2**
<1.26	<17.5	<24.7	<0.996	<0.474	<27.1	<0.251	<0.232	<23.6	<7.24	<0.317	<0.227
<1.26	**<17.5**	**<24.7**	**1.87**	**2.29**	**<27.1**	**1.21**	**1.25**	**<23.6**	<7.24	**0.66**	**0.552**
<1.26	<17.5	<24.7	<0.996	<0.474	<27.1	<0.251	<0.232	<23.6	<7.24	<0.317	<0.227
<2.53	<52.6	<74	<2.99	<1.42	<81.2	<0.754	<0.697	<70.8	<21.7	<0.951	<0.682

Table 2 (continued)

WD-11	WD-11	WD-11	WD-11	WD-11	WD-11	WD-11	WD-11	WD-11	WD-11	WD-11	WD-11
11/17/2014	6/26/2015	8/20/2015	10/19/2015	12/14/2015	3/10/2016	6/8/2016	9/7/2016	12/13/2016	3/9/2017	6/21/2017	8/30/2017
10	10	10	10	10	10	10	10	10	10	10	10
<0.925	<0.832	<20.3	<4.21	<0.414	<4.51	<0.460	<0.282	<0.880	<2.18	<1.93	<0.203
<0.925	<0.832	<20.3	<4.21	<0.414	<4.51	<0.460	<0.282	<0.880	<2.18	<1.93	<0.203
<0.925	<0.832	<20.3	<4.21	<0.414	<4.51	<0.460	<0.282	<0.880	<2.18	<1.93	<0.203
<1.85	<3.61	<20.3	<8.43	<0.414	<4.51	2.21	<0.563	<0.880	<2.18	<1.93	<0.203
<0.925	<0.832	<20.3	<4.21	<0.414	<4.51	<0.460	<0.282	<0.880	<2.18	<1.93	<0.203
<0.925	<0.832	<20.3	<4.21	<0.414	<4.51	<0.460	<0.282	<0.880	<2.18	<1.93	<0.203
<0.925	<0.832	<20.3	<4.21	<0.414	<4.51	<0.460	<0.282	<0.880	<2.18	<1.93	<0.203
<4.62	<4.16	<101	<21.1	<2.07	<22.6	<2.30	<1.41	<0.880	<10.9	<9.64	<1.01
<0.925	<0.832	<20.3	<4.21	<0.414	<4.51	<0.460	<0.282	<4.40	<2.18	<1.93	<0.203
<0.925	<0.832	<20.3	<4.21	<0.414	<4.51	<0.460	<0.282	<0.880	<2.18	<1.93	<0.203
<0.925	<0.832	<20.3	<4.21	<0.414	<4.51	<0.460	<0.282	<0.880	<2.18	<1.93	<0.203
1.57	3.61	<20.3	<4.21	1.2	<4.51	2.21	<0.282	1.67	2.80	<1.93	0.278
<0.925	<0.832	<20.3	<4.21	<0.414	<4.51	<0.460	<0.282	<0.880	<2.18	<1.93	<0.203
<0.925	<1.66	<20.3	<4.21	<0.414	<4.51	<0.460	<0.282	<0.880	<2.18	<1.93	<0.203
<0.925	<0.832	<20.3	<4.21	<0.414	<4.51	<0.460	<0.282	<0.880	<2.18	<1.93	<0.203
<0.925	<0.832	<20.3	<4.21	<0.414	<4.51	<0.460	<0.282	<0.880	<2.18	<1.93	<0.203
<0.925	<0.832	<20.3	<4.21	<0.414	<4.51	<0.460	<0.282	<0.880	<2.18	<1.93	<0.203
150.0	**108**	**<20.3**	**381**	**56.2**	**238**	**68.8**	**10.1**	**140**	**141**	**173**	**3.19**
<0.925	<0.832	<20.3	<4.21	<0.414	<4.51	<0.460	<0.282	<0.880	<2.18	<1.93	<0.203
2.2	**2.53**	**<20.3**	**<4.21**	**1.08**	**<4.51**	**1.26**	<0.282	**1.4**	**2.79**	<1.93	<0.203
<0.925	<0.832	<20.3	<4.21	<0.414	<4.51	<0.460	<0.282	<0.880	<2.18	<1.93	<0.203
<1.85	<2.50	<60.9	<12.6	<1.24	<13.5	<1.38	<0.845	<2.64	<6.53	<5.79	<0.608

Table 2 (continued)

ADD-1	ADD-1	ADD-1	ADD-1	ADD-1	ADD-1	ADD-1	ADD-1	ADD-1
10/19/2015	12/14/2015	3/10/2016	6/8/2016	9/7/2016	12/13/2016	3/9/2017	6/21/2017	8/30/2017
6	6	6	6	6	6	6	6	6
<0.476	<0.389	<0.468	<0.275	<0.192	<0.338	<0.212	<0.443	<0.444
<0.476	<0.389	<0.468	<0.275	<0.192	<0.338	<0.212	<0.443	<0.444
<0.476	<0.389	<0.468	<0.275	<0.192	<0.338	<0.212	<0.443	<0.444
9.05	11.4	11.9	10.4	12.9	<0.338	<0.212	<0.443	<0.444
<0.476	<0.389	<0.468	<0.275	<0.192	<0.338	<0.212	<0.443	<0.444
<0.476	<0.389	<0.468	<0.275	<0.192	<0.338	<0.212	<0.443	<0.444
<0.476	<0.389	<0.468	<0.275	<0.192	<0.338	<0.212	<0.443	<0.444
<2.38	<1.95	<2.34	<1.38	<0.961	<0.338	<0.212	<2.21	<2.22
<0.476	<0.389	<0.468	<0.275	<0.192	<1.69	<0.212	<0.443	<0.444
<0.476	<0.389	<0.468	<0.275	<0.192	<0.338	<0.212	<0.443	<0.444
<0.476	<0.389	<0.468	<0.275	<0.192	<0.338	<0.212	<0.443	<0.444
9.05	**11.4**	**11.8**	**10.3**	**12.1**	4.1	5.14	**10.4**	**9.83**
<0.476	<0.389	<0.468	<0.275	<0.192	<0.338	<0.212	<0.443	<0.444
<0.476	<0.389	<0.468	<0.275	<0.192	<0.338	<0.212	<0.443	<0.444
<0.476	<0.389	<0.468	<0.275	<0.192	<0.338	<0.212	<0.443	<0.444
<0.476	<0.389	<0.468	<0.275	<0.192	<0.338	<0.212	<0.443	<0.444
<0.476	<0.389	<0.468	<0.275	<0.192	<0.338	<0.212	<0.443	<0.444
30.4	**46.1**	**22.5**	**44.4**	**27.2**	**16**	**22.2**	**56.3**	**56.2**
<0.476	<0.389	<0.468	<0.275	<0.192	<0.338	<0.212	<0.443	<0.444
2.19	**3.74**	**3.09**	**2.67**	**3.15**	**1.10**	**1.63**	**3.31**	**2.60**
<0.476	<0.389	<0.468	<0.275	<0.192	<0.338	<0.212	<0.443	<0.444
<1.43	<1.17	<1.40	<0.825	<0.577	<1.01	<0.635	<1.33	<1.33

ADD-1	ADD-1	ADD-1	ADD-1	ADD-1	ADD-1	ADD-1	ADD-1	ADD-1
10/19/2015	12/14/2015	3/10/2016	6/8/2016	9/7/2016	12/13/2016	3/9/2017	6/21/2017	8/30/2017
10	10	10	10	10	10	10	10	10
<0.500	<0.392	<0.223	<0.217	<0.276	<2.06	<0.430	<2.51	<0.186
<0.500	<0.392	<0.223	<0.217	<0.276	<2.06	<0.430	<2.51	<0.186
<0.500	<0.392	<0.223	<0.217	<0.276	<2.06	<0.430	<2.51	<0.186
<0.500	5.53	3.88	7.12	1.02	<2.06	<0.430	<2.51	<0.186
<0.500	<0.392	<0.223	<0.217	<0.276	<2.06	<0.430	<2.51	<0.186
<0.500	<0.392	<0.223	<0.217	<0.276	<2.06	<0.430	<2.51	<0.186
<0.500	<0.392	<0.223	<0.217	<0.276	<2.06	<0.430	<2.51	<0.186
<2.50	<1.96	<1.12	<1.09	<1.38	<2.06	<2.15	<12.6	<0.928
<0.500	<0.392	<0.223	<0.217	<0.276	<1.03	<0.430	<2.51	<0.186
<0.500	<0.392	<0.223	<0.217	<0.276	<2.06	<0.430	<2.51	<0.186
<0.500	<0.392	<0.223	<0.217	<0.276	<2.06	<0.430	<2.51	<0.186
<0.500	5.21	3.81	6.98	1.02	0.661	2.34	3.35	2.51
<0.500	<0.392	<0.223	<0.217	<0.276	<2.06	<0.430	<2.51	<0.186
<0.500	<0.392	<0.223	<0.217	<0.276	<2.06	<0.430	<2.51	<0.186
<0.500	<0.392	<0.223	<0.217	<0.276	<2.06	<0.430	<2.51	<0.186
<0.500	<0.392	<0.223	<0.217	<0.276	<2.06	<0.430	<2.51	<0.186
<0.500	<0.392	<0.223	<0.217	<0.276	<2.06	<0.430	<2.51	<0.186
54.9	**31.7**	**13.7**	**29.7**	**40.2**	**53.3**	**56.9**	**162**	**24.6**
<0.500	<0.392	<0.223	<0.217	<0.276	<2.06	<0.430	<2.51	<0.186
5.36	**3.73**	**2.92**	**4.92**	**1.81**	**0.699**	**1.79**	**6.33**	**4.26**
<0.500	<0.392	<0.223	<0.217	<0.276	<2.06	<0.430	<2.51	<0.186
<1.50	<1.18	<0.670	<0.651	<0.829	<0.617	<1.29	<7.53	<0.557

Table 2 (continued)

ADD-2	ADD-2	ADD-2	ADD-2	ADD-2	ADD-2	ADD-2	ADD-2	ADD-2
10/19/2015	12/14/2015	3/10/2016	6/8/2016	9/7/2016	12/13/2016	3/9/2017	6/21/2017	8/30/2017
5	5	5	5	5	5	5	5	5
<44.9	<4.26	<47.2	<0.210	<8.77	<0.697	<0.216	<24.5	<0.221
<44.9	<4.26	<47.2	<0.210	<8.77	<0.697	<0.216	<24.5	<0.221
<44.9	<4.26	<47.2	<0.210	<8.77	<0.697	<0.216	<24.5	<0.221
<89.8	24.5	<47.2	4.7	<17.5	<0.697	<0.216	<24.5	<0.221
<44.9	<4.26	<47.2	<0.210	<8.77	<0.697	<0.216	<24.5	<0.221
<44.9	<4.26	<47.2	<0.210	<8.77	<0.697	<0.216	<24.5	<0.221
<44.9	<4.26	<47.2	<0.210	<8.77	<0.697	<0.216	<24.5	<0.221
<225	<21.3	<236	<1.05	<43.8	<0.697	<1.08	<123	<1.11
<44.9	<4.26	<47.2	<0.210	<8.77	<3.49	<0.216	<24.5	<0.221
<44.9	<4.26	<47.2	<0.210	<8.77	<0.697	<0.216	<24.5	<0.221
<44.9	<4.26	<47.2	<0.210	<8.77	<0.697	<0.216	<24.5	<0.221
<44.9	**24.5**	**<47.2**	4.7	**10.6**	4.11	4.22	<24.5	3.32
<44.9	<4.26	<47.2	<0.210	<8.77	<0.697	<0.216	<24.5	<0.221
<44.9	<4.26	<47.2	<0.210	<8.77	<0.697	<0.216	<24.5	<0.221
<44.9	<4.26	<47.2	<0.210	<8.77	<0.697	<0.216	<24.5	<0.221
<44.9	<4.26	<47.2	<0.210	<8.77	<0.697	<0.216	<24.5	<0.221
<44.9	<4.26	<47.2	<0.210	<8.77	<0.697	<0.216	<24.5	<0.221
3100	**455**	**3830**	**39.6**	**1690**	**51.6**	**26.2**	**2320**	**31.4**
<44.9	<4.26	<47.2	<0.210	<8.77	<0.697	<0.216	<24.5	<0.221
48.7	**37.4**	**72.1**	**1.63**	**22.7**	**2.18**	**1.61**	**32.3**	**1.79**
<44.9	<4.26	<47.2	<0.210	<8.77	<0.697	<0.216	<24.5	<0.221
<135	<12.8	<141	<0.631	<26.3	<2.09	<0.647	<73.5	<0.663

ADD-2	ADD-2	ADD-2	ADD-2	ADD-2	ADD-2	ADD-2	ADD-2	ADD-2	Type 3 RRS
10/19/2015	12/14/2015	3/10/2016	6/8/2016	9/7/2016	12/13/2016	3/9/2017	6/21/2017	8/30/2017	
10	10	10	10	10	10	10	10	10	
<2.68	<10.5	<12.4	<0.207	<0.198	NS	<0.201	<0.249	<0.222	NA[2]
<2.68	<10.5	<12.4	<0.207	<0.198	NS	<0.201	<0.249	<0.222	NA[2]
<2.68	<10.5	<12.4	<0.207	<0.198	NS	<0.201	<0.249	<0.222	NA[2]
6.01	22.8	<12.4	7.55	9.92	NS	<0.201	<0.249	<0.222	NA[2]
<2.68	<10.5	<12.4	<0.207	<0.198	NS	<0.201	<0.249	<0.222	NA[2]
<2.68	<10.5	<12.4	<0.207	<0.198	NS	<0.201	<0.249	<0.222	NA[2]
<2.68	<10.5	<12.4	<0.207	<0.198	NS	<0.201	<0.249	<0.222	200
<2.68	<52.4	<62.1	<1.04	<0.988	NS	<1.00	<1.25	<1.11	400
<2.68	<10.5	<12.4	<0.207	<0.198	NS	<0.201	<0.249	<0.222	NA[2]
<2.68	<10.5	<12.4	<0.207	<0.198	NS	<0.201	<0.249	<0.222	NA[2]
<2.68	<10.5	<12.4	<0.207	<0.198	NS	<0.201	<0.249	<0.222	NA[2]
6.01	**22.8**	**14.7**	**7.50**	**9.08**	NS	**7.10**	**7.35**	5.20	7
<2.68	**<10.5**	<12.4	<0.207	<0.198	NS	<0.201	<0.249	<0.222	70
<2.68	<10.5	<12.4	<0.207	<0.198	NS	<0.201	<0.249	<0.222	NA[2]
<2.68	<10.5	<12.4	<0.207	<0.198	NS	<0.201	<0.249	<0.222	NA[2]
<2.68	<10.5	<12.4	<0.207	<0.198	NS	<0.201	<0.249	<0.222	NA[2]
<2.68	<10.5	<12.4	<0.207	<0.198	NS	<0.201	<0.249	<0.222	14
198	**1830**	**764**	**21.7**	**11.4**	NS	**8.89**	**15.2**	**11.5**	0.5
<2.68	<10.5	<12.4	<0.207	<0.198	NS	<0.201	<0.249	<0.222	100
6.26	**61.6**	**35.7**	**3.61**	**4.26**	NS	**3.52**	**4.43**	**3.55**	0.5
<2.68	<10.5	<12.4	<0.207	<0.198	NS	<0.201	<0.249	<0.222	0.2
<8.03	<31.4	<37.3	<0.622	<0.593	NS	<0.602	<0.748	<0.666	1,000

Table 2

Summary of X² Remedial System Sampling Results
Semi-Annual Progress Report #8

October 2017

HSI Site Numbers 10547

Atlanta, Georgia

Sample Location	Date	1,1-Dichloroethane	1,1-Dichloroethene	Acetone	Benzene	cis-1,2-DCE	Dichloroflouromethane	Methylene Chloride	Tetrachloroethene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Xylenes (Total)	1,2-Dichlorobenzene	Chlorobenzene	Chloroform	Ethylbenzene	Isopropylbenzene	Styrene	Toluene	Trans-1,2-dichloroethene	Carbon Disulfide
MW-7 @ 30'	Mar-15	<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	<5.0	<5.0	<5.0
	Jun-15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**8.01**	<5.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Sep-15	<5.0	<5.0	<5.0	<5.0	**9.72**	<5.0	<5.0	**28.6**	7.75	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Dec-15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**10.3**	<5.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Feb-16	<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	<5.0	<5.0	<5.0
	Jun-16	<5.0	<5.0	<5.0	<5.0	6.9	<5.0	<5.0	**8**	<5.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Sep-16	<5.0	<5.0	<5.0	<5.0	**7.87**	<5.0	<5.0	**26.6**	**5.69**	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Dec-16	<5.0	<5.0	<5.0	<5.0	**16.2**	<5.0	<5.0	**42**	**9.85**	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Mar-17	<5.0	<5.0	**12.5**	<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	<5.0	<5.0	<5.0
	Jun-17	<5.0	<5.0	**11.7**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-12 @ 60'	Mar-15	<10.0	<10.0	<10.0	<10.0	**34.3**	<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	<10.0	<10.0	<10.0
	Jun-15	<25.0	<25.0	<25.0	<25.0	**87.9**	<25.0	<25.0	**1600**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
	Sep-15	<25.0	<25.0	<25.0	<25.0	**17.7**	<25.0	<25.0	**538**	12.6	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
	Dec-15	<25.0	<25.0	<25.0	<25.0	**19.5**	<25.0	<25.0	**667**	10.9	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
	Feb-16	<10.0	<10.0	<10.0	<10.0	**29.8**	<10.0	<10.0	**867**	<10.0	<10.0	<4.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
	Jun-16	<10.0	<10.0	<10.0	<10.0	**90**	<10.0	<10.0	**1400**	**19**	<10.0	<4.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
	Sep-16	<10.0	<10.0	<10.0	<10.0	**28.5**	<10.0	<10.0	**563**	**17.5**	<10.0	<4.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
	Dec-16	<5.0	<5.0	<5.0	<5.0	**24.2**	<5.0	<5.0	**327**	**16.4**	<5.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Mar-17	<5.0	<5.0	**18.1**	<5.0	**29.8**	<5.0	<5.0	**1490**	**16.2**	<5.0	<2.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Jun-17	<5.0	<5.0	**7.5**	<5.0	**39**	<5.0	<5.0	**431**	**16.8**	<5.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-15 @ 30'	Mar-15	<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	<5.0	<5.0	<5.0
	Jun-15	<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	<5.0	<5.0	<5.0
	Sep-15	<5.0	<5.0	<5.0	<5.0	16.9	<5.0	<5.0	<5.0	<5.0	<5.0	**97.7**	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Dec-15	<5.0	<5.0	**5.34**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**2.18**	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Feb-16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Jun-16	<5.0	<5.0	<5.0	<5.0	18	<5.0	<5.0	<5.0	<5.0	<5.0	24	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Sep-16	<5.0	<5.0	<5.0	<5.0	**83.7**	<5.0	<5.0	<5.0	<5.0	<5.0	**194**	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Dec-16	<5.0	<5.0	<5.0	<5.0	**132**	<5.0	<5.0	<5.0	<5.0	<5.0	**147**	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Mar-17	<5.0	<5.0	**26.2**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Jun-17	<5.0	<5.0	**11.4**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-17 @ 25'	Mar-17	<5.0	<5.0	<5.0	<5.0	**361**	<5.0	<5.0	**969**	**161**	<5.0	<10.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Jun-15	<10.0	<10.0	<10.0	<10.0	**383**	<10.0	<10.0	**916**	**235**	<10.0	<10.0	<30.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
	Sep-15	<10.0	<10.0	<10.0	<10.0	**409**	<10.0	<10.0	**1090**	**219**	<10.0	<10.0	<30.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
	Dec-15	<10.0	<10.0	<10.0	<10.0	**377**	<10.0	<10.0	**952**	**206**	<10.0	**3.56**	<30.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
	Feb-16	<10.0	<10.0	<10.0	<10.0	**392**	<10.0	<10.0	**978**	**179**	<10.0	<4.0	<30.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
	Jun-16	<10.0	<10.0	<10.0	<10.0	**470**	<10.0	<10.0	**1,300**	**280**	<10.0	<4.0	<30.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
	Sep-16	<10.0	<10.0	<10.0	<10.0	**375**	<10.0	<10.0	**862**	**189**	<10.0	<4.0	<30.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
	Dec-16	<10.0	<10.0	<10.0	<10.0	**399**	<10.0	<10.0	**920**	**172**	<10.0	<4.0	<30.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
	Mar-17	<5.0	<5.0	**16.7**	<5.0	**399**	<5.0	<5.0	**1,590**	**251**	<5.0	<2.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Jun-17	<10.0	<10.0	<10.0	<10.0	**390**	<10.0	<10.0	**1,320**	**225**	<10.0	<4.0	<30.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
MW-19 @ 30'	Mar-17	<5.0	<5.0	<5.0	<5.0	**53.9**	<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	<5.0	<5.0	<5.0
	Jun-15	<5.0	<5.0	<5.0	<5.0	**36.5**	<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	<5.0	<5.0	<5.0
	Sep-15	<5.0	<5.0	<5.0	<5.0	**31.7**	<5.0	<5.0	<5.0	<5.0	<5.0	**7.49**	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Dec-15	<5.0	<5.0	<5.0	<5.0	**62.8**	<5.0	<5.0	<5.0	<5.0	<5.0	**6.62**	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Feb-16	<5.0	<5.0	<5.0	<5.0	**33.7**	<5.0	<5.0	<5.0	<5.0	<5.0	**2.84**	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Jun-16	<5.0	<5.0	<5.0	<5.0	**27**	<5.0	<5.0	<5.0	<5.0	<5.0	**3**	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Sep-16	<5.0	<5.0	<5.0	<5.0	**81.6**	<5.0	<5.0	**49.8**	<5.0	<5.0	**14.8**	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Dec-16	<5.0	<5.0	<5.0	<5.0	**59.7**	<5.0	<5.0	<5.0	<5.0	<5.0	**9.5**	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Mar-17	<5.0	<5.0	**28.7**	<5.0	**56.2**	<5.0	<5.0	<5.0	<5.0	<5.0	**9.1**	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Jun-17	<5.0	<5.0	**11.7**	<5.0	**24.2**	<5.0	<5.0	<5.0	<5.0	<5.0	**4.88**	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0

Notes:

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

ug/L = micrograms per Liter

NS = Not Sampled

Table 2 (continued)

Analyte		1,1-Dichloroethane	1,1-Dichloroethene	Acetone	Benzene	cis-1,2-DCE	Dichloroflouromethane	Methylene Chloride	Tetrachloroethene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Xylenes (Total)	1,2-Dichlorobenzene	Chlorobenzene	Chloroform	Ethylbenzene	Isopropylbenzene	Styrene	Toluene	Trans-1,2-dichloroethene	Carbon Disulfide
Sample Location	**Date**																					
MW-20 @ 60'	Mar-15	<25.0	<25.0	<25.0	<25.0	**1,380**	<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	<25.0	<25.0	<25.0
	Jun-15	<10.0	<10.0	<10.0	<10.0	**383**	<10.0	<10.0	**1,220**	**153**	<10.0	<10.0	<30.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
	Sep-15	<10.0	<10.0	<10.0	<10.0	**102**	<10.0	<10.0	**1,160**	**133**	<10.0	<10.0	<30.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
	Dec-15	<10.0	<10.0	<10.0	<10.0	**152**	<10.0	<10.0	**1,460**	**113**	<10.0	<10.0	<30.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
	Feb-16	<25.0	<25.0	<25.0	<25.0	**1,200**	<25.0	<25.0	**2,360**	**330**	<25.0	<10.0	<75.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
	Jun-16	<25.0	<25.0	<25.0	<25.0	**99**	<25.0	<25.0	**2,000**	**170**	<25.0	<10.0	<75.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
	Sep-16	<25.0	<25.0	<25.0	<25.0	**61.2**	<25.0	<25.0	**1,600**	**113**	<25.0	<10.0	<75.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
	Dec-16	<10.0	<10.0	<10.0	<10.0	**72.3**	<10.0	<10.0	**1,230**	**102**	<10.0	<10.0	<30.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
	Mar-17	<10.0	<10.0	**19.2**	<10.0	**92.0**	<10.0	<10.0	**2,120**	**144**	<10.0	<4.0	<30.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
	Jun-17	<10.0	<10.0	<10.0	<10.0	**222**	<10.0	<10.0	**2,340**	**159**	<10.0	<10.0	<30.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
MW-21 @ 60'	Mar-15	<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	<50.0	<50.0	<50.0
	Jun-15	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	**4,900**	**88.3**	<25.0	<25.0	<75.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
	Sep-15	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	**70,100**	**1610**	<25.0	<25.0	<75.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
	Dec-15	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	**6,180**	**169**	<25.0	<25.0	<75.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
	Feb-16	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	**2,700**	**53.2**	<50.0	<20.0	<150.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0
	Jun-16	<50.0	<50.0	<50.0	<50.0	**10**	<50.0	<50.0	**4,100**	**240**	<50.0	<20.0	<150.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0
	Sep-16	<250	<250	<250	<250	<250	<250	<250	**16,100**	<250	<250	<100.0	<750.0	<250	<250	<250	<250	<250	<250	<250	<250	<250
	Dec-16	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	**1,110**	<25.0	<25.0	<25.0	<75.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
	Mar-17	<5.0	<5.0	**16.4**	<5.0	<5.0	<5.0	<5.0	**340**	<5.0	<5.0	<2.00	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Jun-17	<5.0	<5.0	**14.2**	<5.0	<5.0	<5.0	<5.0	**66.2**	<5.0	<5.0	<2.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-22 @ 60'	Mar-15	<50.0	<50.0	<50.0	<50.0	**4,600**	<50.0	<50.0	**921**	**357**	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0
	Jun-15	<10.0	<10.0	<10.0	<10.0	**2,730**	<10.0	<10.0	**892**	**139**	<10.0	<10.0	<30.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
	Sep-15	<10.0	<10.0	<10.0	<10.0	**436**	<10.0	<10.0	**1,010**	**169**	<10.0	<10.0	<30.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
	Dec-15	<10.0	<10.0	<10.0	<10.0	**2,550**	<10.0	<10.0	**1,150**	**292**	<10.0	<10.0	<30.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
	Feb-16	<50.0	<50.0	<50.0	<50.0	**4,440**	<50.0	<50.0	**395**	**306**	<50.0	**28.7**	<150.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0
	Jun-16	<50.0	<50.0	<50.0	<50.0	**250**	<50.0	<50.0	**1,500**	**150**	<50.0	<2.0	<150.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0
	Sep-16	<5.0	<5.0	<25.0	<5.0	**167**	<10	<5.0	**1,090**	**113**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<10	<5.0	<5.0
	Dec-16	<25.0	<25.0	<25.0	<25.0	**491**	<25.0	<25.0	**1,580**	**140**	<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-17	<5.0	<5.0	**27.6**	<5.0	**197**	<5.0	<5.0	**1,130**	**99.8**	<5.0	<2.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Jun-17	<25.0	<25.0	<25.0	<25.0	**182**	<25.0	<25.0	**2,050**	**104**	<25.0	<10.0	<50.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
MW-23 @ 60'	Mar-15	<25.0	<25.0	<25.0	<25.0	**3,220**	<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	<25.0	<25.0	<25.0
	Jun-15	<25.0	<25.0	<25.0	<25.0	**2,730**	<25.0	<25.0	**2,050**	**618**	<25.0	<25.0	<75.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
	Sep-15	<25.0	<25.0	<25.0	<25.0	**6,790**	<25.0	<25.0	**4,100**	**521**	<25.0	<25.0	<75.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
	Dec-15	<25.0	<25.0	<25.0	<25.0	**3,480**	<25.0	<25.0	**1,880**	**547**	<25.0	<25.0	<75.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
	Feb-16	<25.0	<25.0	<25.0	<25.0	**1,570**	<25.0	<25.0	**1,170**	**306**	<25.0	<10.0	<75.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
	Jun-16	<25.0	<25.0	<25.0	<25.0	**1,900**	<25.0	<25.0	**2,600**	**490**	<25.0	<10.0	<75.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
	Sep-16	<25.0	<25.0	<25.0	<25.0	**2,500**	<25.0	<25.0	**2,920**	**597**	<25.0	<10.0	<75.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
	Dec-16	<25.0	<25.0	<25.0	<25.0	**1,780**	<25.0	<25.0	**1,670**	**397**	<25.0	<10.0	<75.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
	Mar-17	<50.0	<50.0	<50.0	<50.0	**5,980**	<50.0	<50.0	**3,760**	**898**	<50.0	<20.0	<150.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0
	Jun-17	<50.0	<50.0	<50.0	<50.0	**5,960**	<50.0	<50.0	**3,580**	**1090**	<50.0	<20.0	<150.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0
MW-24 @ 30'	Mar-15	<5.0	<5.0	<5.0	<5.0	**599**	<5.0	<5.0	**392**	**116**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Jun-15	<5.0	<5.0	<5.0	<5.0	**575**	<5.0	<5.0	**386**	**166**	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Sep-15	<5.0	<5.0	<5.0	<5.0	**196**	<5.0	<5.0	**150**	**40.6**	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Dec-15	<5.0	<5.0	<5.0	<5.0	**399**	<5.0	<5.0	**280**	**94.1**	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Feb-16	<5.0	<5.0	<5.0	<5.0	**512**	<5.0	<5.0	**347**	**104**	<5.0	<2.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Jun-16	<5.0	<5.0	<5.0	<5.0	**310**	<5.0	<5.0	**220**	**67**	<5.0	<2.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Sep-16	<5.0	<5.0	<5.0	<5.0	**175**	<5.0	<5.0	**162**	**36.2**	<5.0	<2.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Dec-16	<5.0	<5.0	<5.0	<5.0	**271**	<5.0	<5.0	**200**	**56.8**	<5.0	<2.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Mar-17	<5.0	<5.0	**27.3**	<5.0	**306**	<5.0	<5.0	**344**	**73.5**	<5.0	<2.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Jun-17	<5.0	<5.0	**6.84**	<5.0	**527**	<5.0	<5.0	**339**	**155**	<5.0	<2.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-25 @ 30'	Jun-17	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-26 @ 30'	Jun-17	<5.0	<5.0	**8.44**	<5.0	**272**	<5.0	<5.0	**87**	**56.6**	<5.0	<2.0	<15.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
PT-3 @ 60'	Mar-15	<250	<250	**1,460**	<250	**27,300**	<250	<250	**5,140**	**895**	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250
	Jun-15	<100	<100	**923**	<100	**27,300**	<100	<100	**11,300**	**811**	<100	<100	<300	<100	<100	<100	<100	<100	<100	<100	<100	<100
	Sep-15	<100	<100	<100	<100	**520**	<100	<100	**6,140**	**520**	<100	<100	<300	<100	<100	<100	<100	<100	<100	<100	<100	<100
	Dec-15	<100	<100	**5.34**	<100	**418**	<100	<100	**9,320**	**680**	<100	<100	<300	<100	<100	<100	<100	<100	<100	<100	<100	<100
	Feb-16	<100	<100	<100	<100	**2,240**	<100	<100	**8,100**	**741**	<100	<40.0	<300	<100	<100	<100	<100	<100	<100	<100	<100	<100
	Jun-16	<100	<100	<50	<100	**980**	<100	<100	**18,000**	**1,500**	<100	**3.5**	<300	<100	<100	<100	<100	<100	<100	<100	<100	<100
	Sep-16	<250	<250	<250	<250	**684**	<250	<250	**16,200**	**1,020**	<250	**<250**	<750	<250	<250	<250	<250	<250	<250	<250	<250	<250
	Dec-16	<100	<100	<100	<100	**473**	<100	<100	**11,300**	**742**	<100	<100	<200	<100	<100	<100	<100	<100	<100	<100	<100	<100
	Mar-17	<250	<250	<250	<250	**323**	<250	<250	**16,500**	**796**	<250	<100	<750	<250	<250	<250	<250	<250	<250	<250	<250	<250
	Jun-17	<250	<250	<250	<250	**312**	<250	<250	**17,900**	**836**	<250	<100	<750	<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

TABLE 3

Summary of Professional Oversight Hours

Semi-Annual Progress Report #8

October 2017

Rayloc Facility

HSI# 10547

Month	Hours
May	54
June	48
July	54
August	46
September	42
October	20

TABLE 4

Monthly PDA Area Effluent Sampling Results

Semi-Annual Progress Report #8

October 2017

Rayloc Facility

HSI# 10547

Sample Date	VOC ppm
4/12/2017	296.77
5/17/2017	0
6/19/2017	0.1
7/11/2017	0.8
8/18/2017	0.6
9/21/2017	1.1

APPENDIX A
JUNE & SEPTEMBER 2017
PDA LABORATORY REPORTS

ANALYTICAL RESULTS

PERFORMED BY

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

Report Date 06/30/2017

GCAL Report 217062742

Project Rayloc

Deliver To	***Additional Recipients***
Jack Wintle Clearwater Env. Resources Peachtree Industrial blvd Duluth, GA 30096 678-491-4601	NONE

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
NO	Indicates the sample did not ignite when preliminary test performed for EPA Method 1030
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
DL	Detection Limit
DL	Diluted analysis – when appended to Client Sample ID
LOD	Limit of Detection
LOQ	Limit of Quantitation
RE	Re-analysis
CF	HPLC or GC Confirmation
00:01	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
J	DOD flag on analyte in the parent sample for MS/MSD outside acceptance criteria
U	Indicates the compound was analyzed for but not detected
B or V	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 – see narrative
E	The result is estimated because it exceeded the instrument calibration range
E	Metals - % diference for the serial dilution is > 10%
P	RPD between primary and confirmation result is greater than 40

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 Institute (TNI) Standard 2009 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 217062742

Certifications

Certification	Certification Number
DOD ELAP	L14-243
Alabama	01955
Arkansas	12-060-0
Colorado	01955
Delaware	01955
Florida	E87854
Georgia	01955
Hawaii	01955
Idaho	01955
Illinois	200048
Indiana	01955
Kansas	E-10354
Kentucky	95
Louisiana	01955
Maryland	01955
Massachusetts	01955
Michigan	01955
Mississippi	01955
Missouri	01955
Montana	N/A
Nebraska	01955
New Mexico	01955
North Carolina	618
North Dakota	R-195
Oklahoma	9403
South Carolina	73006001
South Dakota	01955
Tennessee	01955
Texas	T104704178
Vermont	01955
Virginia	460215
USDA Soil Permit	P330-10-00117

Case Narrative

Client: Clearwater Environmental Resources **Report:** 217062742

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 21706274202 (WD-2 @ 10), 21706274203 (WD-4 @ 10), 21706274204 (WD-8 @ 5), 21706274205 (WD-11 @ 10), 21706274206 (ADD-1 @ 6), 21706274207 (ADD-1 @ 10), 21706274208 (ADD-2 @ 5), 5), and 21706274209 (ADD-2 @ 10) had to be diluted due to the presence of non-target background. The dilutions are reflected in elevated detection limits. Additional dilutions were required to bracket the concentration of target analytes within the calibration range of the instrument.

Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21706274201	PD-2 @ 10	Solid	06/21/2017 08:34	06/27/2017 10:20
21706274202	WD-2 @ 10	Solid	06/21/2017 08:46	06/27/2017 10:20
21706274203	WD-4 @ 10	Solid	06/21/2017 09:17	06/27/2017 10:20
21706274204	WD-8 @ 5	Solid	06/21/2017 08:56	06/27/2017 10:20
21706274205	WD-11 @ 10	Solid	06/21/2017 09:04	06/27/2017 10:20
21706274206	ADD-1 @ 6	Solid	06/21/2017 09:24	06/27/2017 10:20
21706274207	ADD-1 @ 10	Solid	06/21/2017 09:27	06/27/2017 10:20
21706274208	ADD-2 @ 5	Solid	06/21/2017 09:35	06/27/2017 10:20
21706274209	ADD-2 @ 10	Solid	06/21/2017 09:38	06/27/2017 10:20
21706274210	TRIP BLANK	Water	06/21/2017 00:01	06/27/2017 10:20

Summary of Compounds Detected

PD-2 @ 10

Collect Date 06/21/2017 08:34 **GCAL ID** 21706274201
Receive Date 06/27/2017 10:20 **Matrix** Solid

EPA 8260B *Results Reported on Dry Weight Basis

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	0.026	0.011	mg/kg
67-64-1	Acetone	0.037	0.026	mg/kg
156-59-2	cis-1,2-Dichloroethene	0.026	0.00526	mg/kg
127-18-4	Tetrachloroethene	0.706	0.290	mg/kg
79-01-6	Trichloroethene	0.019	0.00526	mg/kg

WD-2 @ 10

Collect Date 06/21/2017 08:46 **GCAL ID** 21706274202
Receive Date 06/27/2017 10:20 **Matrix** Solid

EPA 8260B *Results Reported on Dry Weight Basis

CAS#	Parameter	Result	LOQ	Units
127-18-4	Tetrachloroethene	4.09	0.269	mg/kg

WD-4 @ 10

Collect Date 06/21/2017 09:17 **GCAL ID** 21706274203
Receive Date 06/27/2017 10:20 **Matrix** Solid

EPA 8260B *Results Reported on Dry Weight Basis

CAS#	Parameter	Result	LOQ	Units
156-59-2	cis-1,2-Dichloroethene	13.6	9.62	mg/kg
127-18-4	Tetrachloroethene	1060	96.2	mg/kg
79-01-6	Trichloroethene	16.3	9.62	mg/kg

WD-8 @ 5

Collect Date 06/21/2017 08:56 **GCAL ID** 21706274204
Receive Date 06/27/2017 10:20 **Matrix** Solid

EPA 8260B *Results Reported on Dry Weight Basis

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	3.20	0.634	mg/kg
156-59-2	cis-1,2-Dichloroethene	3.20	0.317	mg/kg
127-18-4	Tetrachloroethene	26.0	1.59	mg/kg

Summary of Compounds Detected

WD-8 @ 5

Collect Date 06/21/2017 08:56 **GCAL ID** 21706274204
Receive Date 06/27/2017 10:20 **Matrix** Solid

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

CAS#	Parameter	Result	LOQ	Units
79-01-6	Trichloroethene	0.662	0.317	mg/kg

WD-11 @ 10

Collect Date 06/21/2017 09:04 **GCAL ID** 21706274205
Receive Date 06/27/2017 10:20 **Matrix** Solid

EPA 8260B *Results Reported on Dry Weight Basis

CAS#	Parameter	Result	LOQ	Units
127-18-4	Tetrachloroethene	173	38.6	mg/kg

ADD-1 @ 6

Collect Date 06/21/2017 09:24 **GCAL ID** 21706274206
Receive Date 06/27/2017 10:20 **Matrix** Solid

EPA 8260B *Results Reported on Dry Weight Basis

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	10.4	0.885	mg/kg
156-59-2	cis-1,2-Dichloroethene	10.4	0.443	mg/kg
127-18-4	Tetrachloroethene	56.3	4.43	mg/kg
79-01-6	Trichloroethene	3.31	0.443	mg/kg

ADD-1 @ 10

Collect Date 06/21/2017 09:27 **GCAL ID** 21706274207
Receive Date 06/27/2017 10:20 **Matrix** Solid

EPA 8260B *Results Reported on Dry Weight Basis

CAS#	Parameter	Result	LOQ	Units
156-59-2	cis-1,2-Dichloroethene	3.35	2.51	mg/kg
127-18-4	Tetrachloroethene	162	25.1	mg/kg
79-01-6	Trichloroethene	6.33	2.51	mg/kg

Summary of Compounds Detected

ADD-2 @ 5

Collect Date 06/21/2017 09:35 **GCAL ID** 21706274208
Receive Date 06/27/2017 10:20 **Matrix** Solid

EPA 8260B *Results Reported on Dry Weight Basis

CAS#	Parameter	Result	LOQ	Units
127-18-4	Tetrachloroethene	2320	490	mg/kg
79-01-6	Trichloroethene	32.3	24.5	mg/kg

ADD-2 @ 10

Collect Date 06/21/2017 09:38 **GCAL ID** 21706274209
Receive Date 06/27/2017 10:20 **Matrix** Solid

EPA 8260B *Results Reported on Dry Weight Basis

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	7.40	0.499	mg/kg
156-59-2	cis-1,2-Dichloroethene	7.35	0.249	mg/kg
127-18-4	Tetrachloroethene	15.2	1.25	mg/kg
79-01-6	Trichloroethene	4.43	0.249	mg/kg

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Collect Date 06/21/2017 00:01 **GCAL ID** 21706274210
Receive Date 06/27/2017 10:20 **Matrix** Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
67-64-1	Acetone	5.92	5.00	ug/L

Sample Results

PD-2 @ 10	**Collect Date**	06/21/2017 08:34	**GCAL ID**	21706274201
	Receive Date	06/27/2017 10:20	**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	06/30/2017 01:28	JCK	613131

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.00526	mg/kg
71-55-6	1,1,1-Trichloroethane	ND	0.00526	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.00526	mg/kg
79-00-5	1,1,2-Trichloroethane	ND	0.00526	mg/kg
75-34-3	1,1-Dichloroethane	ND	0.00526	mg/kg
75-35-4	1,1-Dichloroethene	ND	0.00526	mg/kg
563-58-6	1,1-Dichloropropene	ND	0.00526	mg/kg
96-18-4	1,2,3-Trichloropropane	ND	0.00526	mg/kg
120-82-1	1,2,4-Trichlorobenzene	ND	0.00526	mg/kg
95-63-6	1,2,4-Trimethylbenzene	ND	0.00526	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.00526	mg/kg
106-93-4	1,2-Dibromoethane	ND	0.00526	mg/kg
95-50-1	1,2-Dichlorobenzene	ND	0.00526	mg/kg
107-06-2	1,2-Dichloroethane	ND	0.00526	mg/kg
540-59-0	**1,2-Dichloroethene(Total)**	**0.026**	**0.011**	**mg/kg**
78-87-5	1,2-Dichloropropane	ND	0.00526	mg/kg
108-67-8	1,3,5-Trimethylbenzene	ND	0.00526	mg/kg
541-73-1	1,3-Dichlorobenzene	ND	0.00526	mg/kg
142-28-9	1,3-Dichloropropane	ND	0.00526	mg/kg
106-46-7	1,4-Dichlorobenzene	ND	0.00526	mg/kg
594-20-7	2,2-Dichloropropane	ND	0.00526	mg/kg
78-93-3	2-Butanone	ND	0.00526	mg/kg
95-49-8	2-Chlorotoluene	ND	0.00526	mg/kg
591-78-6	2-Hexanone	ND	0.00526	mg/kg
106-43-4	4-Chlorotoluene	ND	0.00526	mg/kg
99-87-6	4-Isopropyltoluene	ND	0.00526	mg/kg
108-10-1	4-Methyl-2-pentanone	ND	0.00526	mg/kg
67-64-1	**Acetone**	**0.037**	**0.026**	**mg/kg**
71-43-2	Benzene	ND	0.00526	mg/kg
108-86-1	Bromobenzene	ND	0.00526	mg/kg
74-97-5	Bromochloromethane	ND	0.00526	mg/kg
75-27-4	Bromodichloromethane	ND	0.00526	mg/kg
75-25-2	Bromoform	ND	0.00526	mg/kg
74-83-9	Bromomethane	ND	0.00526	mg/kg
75-15-0	Carbon disulfide	ND	0.00526	mg/kg
56-23-5	Carbon tetrachloride	ND	0.00526	mg/kg
108-90-7	Chlorobenzene	ND	0.00526	mg/kg
75-00-3	Chloroethane	ND	0.00526	mg/kg
67-66-3	Chloroform	ND	0.00526	mg/kg
74-87-3	Chloromethane	ND	0.00526	mg/kg
156-59-2	**cis-1,2-Dichloroethene**	**0.026**	**0.00526**	**mg/kg**
10061-01-5	cis-1,3-Dichloropropene	ND	0.00526	mg/kg
124-48-1	Dibromochloromethane	ND	0.00526	mg/kg
74-95-3	Dibromomethane	ND	0.00526	mg/kg
75-71-8	Dichlorodifluoromethane	ND	0.00526	mg/kg
100-41-4	Ethylbenzene	ND	0.00526	mg/kg
87-68-3	Hexachlorobutadiene	ND	0.00526	mg/kg

Sample Results

PD-2 @ 10	**Collect Date**	06/21/2017 08:34	**GCAL ID**	21706274201
	Receive Date	06/27/2017 10:20	**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	06/30/2017 01:28	JCK	613131

CAS#	Parameter	Result	LOQ	Units
98-82-8	Isopropylbenzene (Cumene)	ND	0.00526	mg/kg
136777-61-2	m,p-Xylene	ND	0.011	mg/kg
75-09-2	Methylene chloride	ND	0.011	mg/kg
91-20-3	Naphthalene	ND	0.00526	mg/kg
104-51-8	n-Butylbenzene	ND	0.00526	mg/kg
103-65-1	n-Propylbenzene	ND	0.00526	mg/kg
95-47-6	o-Xylene	ND	0.00526	mg/kg
135-98-8	sec-Butylbenzene	ND	0.00526	mg/kg
100-42-5	Styrene	ND	0.00526	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	0.00526	mg/kg
98-06-6	tert-Butylbenzene	ND	0.00526	mg/kg
108-88-3	Toluene	ND	0.00526	mg/kg
156-60-5	trans-1,2-Dichloroethene	ND	0.00526	mg/kg
10061-02-6	trans-1,3-Dichloropropene	ND	0.00526	mg/kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	0.00526	mg/kg
79-01-6	**Trichloroethene**	**0.019**	**0.00526**	**mg/kg**
75-69-4	Trichlorofluoromethane	ND	0.00526	mg/kg
76-13-1	Trichlorotrifluoroethane	ND	0.00526	mg/kg
75-01-4	Vinyl chloride	ND	0.00526	mg/kg
1330-20-7	Xylene (total)	ND	0.016	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	0.0380	.038	ug/Kg	99	62 - 127
1868-53-7	Dibromofluoromethane	0.0380	.04	ug/Kg	105	65 - 130
2037-26-5	Toluene d8	0.0380	.037	ug/Kg	96	71 - 132
17060-07-0	1,2-Dichloroethane-d4	0.0380	.044	ug/Kg	115	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	06/29/2017 11:26	IXE	613176

CAS#	Parameter	Result	LOQ	Units
127-18-4	**Tetrachloroethene**	**0.706**	**0.290**	**mg/kg**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2.11	2.25	ug/Kg	107	62 - 127
1868-53-7	Dibromofluoromethane	2.11	2.31	ug/Kg	109	65 - 130
2037-26-5	Toluene d8	2.11	2.38	ug/Kg	113	71 - 132
17060-07-0	1,2-Dichloroethane-d4	2.11	2.23	ug/Kg	106	62 - 125

Sample Results

WD-2 @ 10	**Collect Date**	06/21/2017 08:46	**GCAL ID**	21706274202
	Receive Date	06/27/2017 10:20	**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	06/29/2017 11:47	IXE	613176

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.269	mg/kg
71-55-6	1,1,1-Trichloroethane	ND	0.269	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.269	mg/kg
79-00-5	1,1,2-Trichloroethane	ND	0.269	mg/kg
75-34-3	1,1-Dichloroethane	ND	0.269	mg/kg
75-35-4	1,1-Dichloroethene	ND	0.269	mg/kg
563-58-6	1,1-Dichloropropene	ND	0.269	mg/kg
96-18-4	1,2,3-Trichloropropane	ND	0.269	mg/kg
120-82-1	1,2,4-Trichlorobenzene	ND	0.269	mg/kg
95-63-6	1,2,4-Trimethylbenzene	ND	0.269	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.269	mg/kg
106-93-4	1,2-Dibromoethane	ND	0.269	mg/kg
95-50-1	1,2-Dichlorobenzene	ND	0.269	mg/kg
107-06-2	1,2-Dichloroethane	ND	0.269	mg/kg
540-59-0	1,2-Dichloroethene(Total)	ND	0.538	mg/kg
78-87-5	1,2-Dichloropropane	ND	0.269	mg/kg
108-67-8	1,3,5-Trimethylbenzene	ND	0.269	mg/kg
541-73-1	1,3-Dichlorobenzene	ND	0.269	mg/kg
142-28-9	1,3-Dichloropropane	ND	0.269	mg/kg
106-46-7	1,4-Dichlorobenzene	ND	0.269	mg/kg
594-20-7	2,2-Dichloropropane	ND	0.269	mg/kg
78-93-3	2-Butanone	ND	0.269	mg/kg
95-49-8	2-Chlorotoluene	ND	0.269	mg/kg
591-78-6	2-Hexanone	ND	0.269	mg/kg
106-43-4	4-Chlorotoluene	ND	0.269	mg/kg
99-87-6	4-Isopropyltoluene	ND	0.269	mg/kg
108-10-1	4-Methyl-2-pentanone	ND	0.269	mg/kg
67-64-1	Acetone	ND	1.34	mg/kg
71-43-2	Benzene	ND	0.269	mg/kg
108-86-1	Bromobenzene	ND	0.269	mg/kg
74-97-5	Bromochloromethane	ND	0.269	mg/kg
75-27-4	Bromodichloromethane	ND	0.269	mg/kg
75-25-2	Bromoform	ND	0.269	mg/kg
74-83-9	Bromomethane	ND	0.269	mg/kg
75-15-0	Carbon disulfide	ND	0.269	mg/kg
56-23-5	Carbon tetrachloride	ND	0.269	mg/kg
108-90-7	Chlorobenzene	ND	0.269	mg/kg
75-00-3	Chloroethane	ND	0.269	mg/kg
67-66-3	Chloroform	ND	0.269	mg/kg
74-87-3	Chloromethane	ND	0.269	mg/kg
156-59-2	cis-1,2-Dichloroethene	ND	0.269	mg/kg
10061-01-5	cis-1,3-Dichloropropene	ND	0.269	mg/kg
124-48-1	Dibromochloromethane	ND	0.269	mg/kg
74-95-3	Dibromomethane	ND	0.269	mg/kg
75-71-8	Dichlorodifluoromethane	ND	0.269	mg/kg
100-41-4	Ethylbenzene	ND	0.269	mg/kg
87-68-3	Hexachlorobutadiene	ND	0.269	mg/kg

Sample Results

WD-2 @ 10

Collect Date	06/21/2017 08:46	**GCAL ID**	21706274202
Receive Date	06/27/2017 10:20	**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	06/29/2017 11:47	IXE	613176

CAS#	Parameter	Result	LOQ	Units
98-82-8	Isopropylbenzene (Cumene)	ND	0.269	mg/kg
136777-61-2	m,p-Xylene	ND	0.538	mg/kg
75-09-2	Methylene chloride	ND	0.538	mg/kg
91-20-3	Naphthalene	ND	0.269	mg/kg
104-51-8	n-Butylbenzene	ND	0.269	mg/kg
103-65-1	n-Propylbenzene	ND	0.269	mg/kg
95-47-6	o-Xylene	ND	0.269	mg/kg
135-98-8	sec-Butylbenzene	ND	0.269	mg/kg
100-42-5	Styrene	ND	0.269	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	0.269	mg/kg
98-06-6	tert-Butylbenzene	ND	0.269	mg/kg
127-18-4	**Tetrachloroethene**	**4.09**	**0.269**	**mg/kg**
108-88-3	Toluene	ND	0.269	mg/kg
156-60-5	trans-1,2-Dichloroethene	ND	0.269	mg/kg
10061-02-6	trans-1,3-Dichloropropene	ND	0.269	mg/kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	0.269	mg/kg
79-01-6	Trichloroethene	ND	0.269	mg/kg
75-69-4	Trichlorofluoromethane	ND	0.269	mg/kg
76-13-1	Trichlorotrifluoroethane	ND	0.269	mg/kg
75-01-4	Vinyl chloride	ND	0.269	mg/kg
1330-20-7	Xylene (total)	ND	0.807	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2.30	2.47	ug/Kg	107	62 - 127
1868-53-7	Dibromofluoromethane	2.30	2.5	ug/Kg	109	65 - 130
2037-26-5	Toluene d8	2.30	2.61	ug/Kg	114	71 - 132
17060-07-0	1,2-Dichloroethane-d4	2.30	2.44	ug/Kg	106	62 - 125

WD-4 @ 10

Collect Date	06/21/2017 09:17	**GCAL ID**	21706274203
Receive Date	06/27/2017 10:20	**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	2000	06/29/2017 13:54	IXE	613176

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	9.62	mg/kg
71-55-6	1,1,1-Trichloroethane	ND	9.62	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	9.62	mg/kg
79-00-5	1,1,2-Trichloroethane	ND	9.62	mg/kg
75-34-3	1,1-Dichloroethane	ND	9.62	mg/kg

Sample Results

WD-4 @ 10	**Collect Date**	06/21/2017 09:17	**GCAL ID**	21706274203
	Receive Date	06/27/2017 10:20	**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	2000	06/29/2017 13:54	IXE	613176

CAS#	Parameter	Result	LOQ	Units
75-35-4	1,1-Dichloroethene	ND	9.62	mg/kg
563-58-6	1,1-Dichloropropene	ND	9.62	mg/kg
96-18-4	1,2,3-Trichloropropane	ND	9.62	mg/kg
120-82-1	1,2,4-Trichlorobenzene	ND	9.62	mg/kg
95-63-6	1,2,4-Trimethylbenzene	ND	9.62	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	ND	9.62	mg/kg
106-93-4	1,2-Dibromoethane	ND	9.62	mg/kg
95-50-1	1,2-Dichlorobenzene	ND	9.62	mg/kg
107-06-2	1,2-Dichloroethane	ND	9.62	mg/kg
540-59-0	1,2-Dichloroethene(Total)	ND	19.2	mg/kg
78-87-5	1,2-Dichloropropane	ND	9.62	mg/kg
108-67-8	1,3,5-Trimethylbenzene	ND	9.62	mg/kg
541-73-1	1,3-Dichlorobenzene	ND	9.62	mg/kg
142-28-9	1,3-Dichloropropane	ND	9.62	mg/kg
106-46-7	1,4-Dichlorobenzene	ND	9.62	mg/kg
594-20-7	2,2-Dichloropropane	ND	9.62	mg/kg
78-93-3	2-Butanone	ND	9.62	mg/kg
95-49-8	2-Chlorotoluene	ND	9.62	mg/kg
591-78-6	2-Hexanone	ND	9.62	mg/kg
106-43-4	4-Chlorotoluene	ND	9.62	mg/kg
99-87-6	4-Isopropyltoluene	ND	9.62	mg/kg
108-10-1	4-Methyl-2-pentanone	ND	9.62	mg/kg
67-64-1	Acetone	ND	48.1	mg/kg
71-43-2	Benzene	ND	9.62	mg/kg
108-86-1	Bromobenzene	ND	9.62	mg/kg
74-97-5	Bromochloromethane	ND	9.62	mg/kg
75-27-4	Bromodichloromethane	ND	9.62	mg/kg
75-25-2	Bromoform	ND	9.62	mg/kg
74-83-9	Bromomethane	ND	9.62	mg/kg
75-15-0	Carbon disulfide	ND	9.62	mg/kg
56-23-5	Carbon tetrachloride	ND	9.62	mg/kg
108-90-7	Chlorobenzene	ND	9.62	mg/kg
75-00-3	Chloroethane	ND	9.62	mg/kg
67-66-3	Chloroform	ND	9.62	mg/kg
74-87-3	Chloromethane	ND	9.62	mg/kg
156-59-2	**cis-1,2-Dichloroethene**	**13.6**	**9.62**	**mg/kg**
10061-01-5	cis-1,3-Dichloropropene	ND	9.62	mg/kg
124-48-1	Dibromochloromethane	ND	9.62	mg/kg
74-95-3	Dibromomethane	ND	9.62	mg/kg
75-71-8	Dichlorodifluoromethane	ND	9.62	mg/kg
100-41-4	Ethylbenzene	ND	9.62	mg/kg
87-68-3	Hexachlorobutadiene	ND	9.62	mg/kg
98-82-8	Isopropylbenzene (Cumene)	ND	9.62	mg/kg
136777-61-2	m,p-Xylene	ND	19.2	mg/kg
75-09-2	Methylene chloride	ND	19.2	mg/kg
91-20-3	Naphthalene	ND	9.62	mg/kg
104-51-8	n-Butylbenzene	ND	9.62	mg/kg

Sample Results

WD-4 @ 10	**Collect Date**	06/21/2017 09:17	**GCAL ID**	21706274203
	Receive Date	06/27/2017 10:20	**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	2000	06/29/2017 13:54	IXE	613176

CAS#	Parameter	Result	LOQ	Units
103-65-1	n-Propylbenzene	ND	9.62	mg/kg
95-47-6	o-Xylene	ND	9.62	mg/kg
135-98-8	sec-Butylbenzene	ND	9.62	mg/kg
100-42-5	Styrene	ND	9.62	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	9.62	mg/kg
98-06-6	tert-Butylbenzene	ND	9.62	mg/kg
108-88-3	Toluene	ND	9.62	mg/kg
156-60-5	trans-1,2-Dichloroethene	ND	9.62	mg/kg
10061-02-6	trans-1,3-Dichloropropene	ND	9.62	mg/kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	9.62	mg/kg
79-01-6	**Trichloroethene**	**16.3**	**9.62**	**mg/kg**
75-69-4	Trichlorofluoromethane	ND	9.62	mg/kg
76-13-1	Trichlorotrifluoroethane	ND	9.62	mg/kg
75-01-4	Vinyl chloride	ND	9.62	mg/kg
1330-20-7	Xylene (total)	ND	28.8	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	74.30	85	ug/Kg	114	62 - 127
1868-53-7	Dibromofluoromethane	74.30	87	ug/Kg	117	65 - 130
2037-26-5	Toluene d8	74.30	73.5	ug/Kg	99	71 - 132
17060-07-0	1,2-Dichloroethane-d4	74.30	83.5	ug/Kg	112	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	06/29/2017 12:50	IXE	613176

CAS#	Parameter	Result	LOQ	Units
127-18-4	**Tetrachloroethene**	**1060**	**96.2**	**mg/kg**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	743	781	ug/Kg	105	62 - 127
1868-53-7	Dibromofluoromethane	743	833	ug/Kg	112	65 - 130
2037-26-5	Toluene d8	743	817	ug/Kg	110	71 - 132
17060-07-0	1,2-Dichloroethane-d4	743	791	ug/Kg	106	62 - 125

Sample Results

WD-8 @ 5

Collect Date	06/21/2017 08:56	**GCAL ID**	21706274204
Receive Date	06/27/2017 10:20	**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	06/29/2017 13:11	IXE	613176

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.317	mg/kg
71-55-6	1,1,1-Trichloroethane	ND	0.317	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.317	mg/kg
79-00-5	1,1,2-Trichloroethane	ND	0.317	mg/kg
75-34-3	1,1-Dichloroethane	ND	0.317	mg/kg
75-35-4	1,1-Dichloroethene	ND	0.317	mg/kg
563-58-6	1,1-Dichloropropene	ND	0.317	mg/kg
96-18-4	1,2,3-Trichloropropane	ND	0.317	mg/kg
120-82-1	1,2,4-Trichlorobenzene	ND	0.317	mg/kg
95-63-6	1,2,4-Trimethylbenzene	ND	0.317	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.317	mg/kg
106-93-4	1,2-Dibromoethane	ND	0.317	mg/kg
95-50-1	1,2-Dichlorobenzene	ND	0.317	mg/kg
107-06-2	1,2-Dichloroethane	ND	0.317	mg/kg
540-59-0	**1,2-Dichloroethene(Total)**	**3.20**	**0.634**	**mg/kg**
78-87-5	1,2-Dichloropropane	ND	0.317	mg/kg
108-67-8	1,3,5-Trimethylbenzene	ND	0.317	mg/kg
541-73-1	1,3-Dichlorobenzene	ND	0.317	mg/kg
142-28-9	1,3-Dichloropropane	ND	0.317	mg/kg
106-46-7	1,4-Dichlorobenzene	ND	0.317	mg/kg
594-20-7	2,2-Dichloropropane	ND	0.317	mg/kg
78-93-3	2-Butanone	ND	0.317	mg/kg
95-49-8	2-Chlorotoluene	ND	0.317	mg/kg
591-78-6	2-Hexanone	ND	0.317	mg/kg
106-43-4	4-Chlorotoluene	ND	0.317	mg/kg
99-87-6	4-Isopropyltoluene	ND	0.317	mg/kg
108-10-1	4-Methyl-2-pentanone	ND	0.317	mg/kg
67-64-1	Acetone	ND	1.59	mg/kg
71-43-2	Benzene	ND	0.317	mg/kg
108-86-1	Bromobenzene	ND	0.317	mg/kg
74-97-5	Bromochloromethane	ND	0.317	mg/kg
75-27-4	Bromodichloromethane	ND	0.317	mg/kg
75-25-2	Bromoform	ND	0.317	mg/kg
74-83-9	Bromomethane	ND	0.317	mg/kg
75-15-0	Carbon disulfide	ND	0.317	mg/kg
56-23-5	Carbon tetrachloride	ND	0.317	mg/kg
108-90-7	Chlorobenzene	ND	0.317	mg/kg
75-00-3	Chloroethane	ND	0.317	mg/kg
67-66-3	Chloroform	ND	0.317	mg/kg
74-87-3	Chloromethane	ND	0.317	mg/kg
156-59-2	**cis-1,2-Dichloroethene**	**3.20**	**0.317**	**mg/kg**
10061-01-5	cis-1,3-Dichloropropene	ND	0.317	mg/kg
124-48-1	Dibromochloromethane	ND	0.317	mg/kg
74-95-3	Dibromomethane	ND	0.317	mg/kg
75-71-8	Dichlorodifluoromethane	ND	0.317	mg/kg
100-41-4	Ethylbenzene	ND	0.317	mg/kg
87-68-3	Hexachlorobutadiene	ND	0.317	mg/kg

Sample Results

WD-8 @ 5

Collect Date	06/21/2017 08:56	**GCAL ID**	21706274204
Receive Date	06/27/2017 10:20	**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	06/29/2017 13:11	IXE	613176

CAS#	Parameter	Result	LOQ	Units
98-82-8	Isopropylbenzene (Cumene)	ND	0.317	mg/kg
136777-61-2	m,p-Xylene	ND	0.634	mg/kg
75-09-2	Methylene chloride	ND	0.634	mg/kg
91-20-3	Naphthalene	ND	0.317	mg/kg
104-51-8	n-Butylbenzene	ND	0.317	mg/kg
103-65-1	n-Propylbenzene	ND	0.317	mg/kg
95-47-6	o-Xylene	ND	0.317	mg/kg
135-98-8	sec-Butylbenzene	ND	0.317	mg/kg
100-42-5	Styrene	ND	0.317	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	0.317	mg/kg
98-06-6	tert-Butylbenzene	ND	0.317	mg/kg
108-88-3	Toluene	ND	0.317	mg/kg
156-60-5	trans-1,2-Dichloroethene	ND	0.317	mg/kg
10061-02-6	trans-1,3-Dichloropropene	ND	0.317	mg/kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	0.317	mg/kg
79-01-6	**Trichloroethene**	**0.662**	**0.317**	**mg/kg**
75-69-4	Trichlorofluoromethane	ND	0.317	mg/kg
76-13-1	Trichlorotrifluoroethane	ND	0.317	mg/kg
75-01-4	Vinyl chloride	ND	0.317	mg/kg
1330-20-7	Xylene (total)	ND	0.951	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2.23	2.36	ug/Kg	106	62 - 127
1868-53-7	Dibromofluoromethane	2.23	2.45	ug/Kg	110	65 - 130
2037-26-5	Toluene d8	2.23	2.43	ug/Kg	109	71 - 132
17060-07-0	1,2-Dichloroethane-d4	2.23	2.37	ug/Kg	106	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	250	06/29/2017 12:08	IXE	613176

CAS#	Parameter	Result	LOQ	Units
127-18-4	**Tetrachloroethene**	**26.0**	**1.59**	**mg/kg**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	11.20	11.2	ug/Kg	100	62 - 127
1868-53-7	Dibromofluoromethane	11.20	12.4	ug/Kg	111	65 - 130
2037-26-5	Toluene d8	11.20	11.9	ug/Kg	107	71 - 132
17060-07-0	1,2-Dichloroethane-d4	11.20	11.8	ug/Kg	106	62 - 125

Sample Results

WD-11 @ 10	**Collect Date**	06/21/2017 09:04	**GCAL ID**	21706274205
	Receive Date	06/27/2017 10:20	**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	500	06/28/2017 15:56	IXE	613105

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.93	mg/kg
71-55-6	1,1,1-Trichloroethane	ND	1.93	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.93	mg/kg
79-00-5	1,1,2-Trichloroethane	ND	1.93	mg/kg
75-34-3	1,1-Dichloroethane	ND	1.93	mg/kg
75-35-4	1,1-Dichloroethene	ND	1.93	mg/kg
563-58-6	1,1-Dichloropropene	ND	1.93	mg/kg
96-18-4	1,2,3-Trichloropropane	ND	1.93	mg/kg
120-82-1	1,2,4-Trichlorobenzene	ND	1.93	mg/kg
95-63-6	1,2,4-Trimethylbenzene	ND	1.93	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.93	mg/kg
106-93-4	1,2-Dibromoethane	ND	1.93	mg/kg
95-50-1	1,2-Dichlorobenzene	ND	1.93	mg/kg
107-06-2	1,2-Dichloroethane	ND	1.93	mg/kg
540-59-0	1,2-Dichloroethene(Total)	ND	3.86	mg/kg
78-87-5	1,2-Dichloropropane	ND	1.93	mg/kg
108-67-8	1,3,5-Trimethylbenzene	ND	1.93	mg/kg
541-73-1	1,3-Dichlorobenzene	ND	1.93	mg/kg
142-28-9	1,3-Dichloropropane	ND	1.93	mg/kg
106-46-7	1,4-Dichlorobenzene	ND	1.93	mg/kg
594-20-7	2,2-Dichloropropane	ND	1.93	mg/kg
78-93-3	2-Butanone	ND	1.93	mg/kg
95-49-8	2-Chlorotoluene	ND	1.93	mg/kg
591-78-6	2-Hexanone	ND	1.93	mg/kg
106-43-4	4-Chlorotoluene	ND	1.93	mg/kg
99-87-6	4-Isopropyltoluene	ND	1.93	mg/kg
108-10-1	4-Methyl-2-pentanone	ND	1.93	mg/kg
67-64-1	Acetone	ND	9.64	mg/kg
71-43-2	Benzene	ND	1.93	mg/kg
108-86-1	Bromobenzene	ND	1.93	mg/kg
74-97-5	Bromochloromethane	ND	1.93	mg/kg
75-27-4	Bromodichloromethane	ND	1.93	mg/kg
75-25-2	Bromoform	ND	1.93	mg/kg
74-83-9	Bromomethane	ND	1.93	mg/kg
75-15-0	Carbon disulfide	ND	1.93	mg/kg
56-23-5	Carbon tetrachloride	ND	1.93	mg/kg
108-90-7	Chlorobenzene	ND	1.93	mg/kg
75-00-3	Chloroethane	ND	1.93	mg/kg
67-66-3	Chloroform	ND	1.93	mg/kg
74-87-3	Chloromethane	ND	1.93	mg/kg
156-59-2	cis-1,2-Dichloroethene	ND	1.93	mg/kg
10061-01-5	cis-1,3-Dichloropropene	ND	1.93	mg/kg
124-48-1	Dibromochloromethane	ND	1.93	mg/kg
74-95-3	Dibromomethane	ND	1.93	mg/kg
75-71-8	Dichlorodifluoromethane	ND	1.93	mg/kg
100-41-4	Ethylbenzene	ND	1.93	mg/kg
87-68-3	Hexachlorobutadiene	ND	1.93	mg/kg

Sample Results

WD-11 @ 10	**Collect Date**	06/21/2017 09:04	**GCAL ID**	21706274205
	Receive Date	06/27/2017 10:20	**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	500	06/28/2017 15:56	IXE	613105

CAS#	Parameter	Result	LOQ	Units
98-82-8	Isopropylbenzene (Cumene)	ND	1.93	mg/kg
136777-61-2	m,p-Xylene	ND	3.86	mg/kg
75-09-2	Methylene chloride	ND	3.86	mg/kg
91-20-3	Naphthalene	ND	1.93	mg/kg
104-51-8	n-Butylbenzene	ND	1.93	mg/kg
103-65-1	n-Propylbenzene	ND	1.93	mg/kg
95-47-6	o-Xylene	ND	1.93	mg/kg
135-98-8	sec-Butylbenzene	ND	1.93	mg/kg
100-42-5	Styrene	ND	1.93	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	1.93	mg/kg
98-06-6	tert-Butylbenzene	ND	1.93	mg/kg
108-88-3	Toluene	ND	1.93	mg/kg
156-60-5	trans-1,2-Dichloroethene	ND	1.93	mg/kg
10061-02-6	trans-1,3-Dichloropropene	ND	1.93	mg/kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	1.93	mg/kg
79-01-6	Trichloroethene	ND	1.93	mg/kg
75-69-4	Trichlorofluoromethane	ND	1.93	mg/kg
76-13-1	Trichlorotrifluoroethane	ND	1.93	mg/kg
75-01-4	Vinyl chloride	ND	1.93	mg/kg
1330-20-7	Xylene (total)	ND	5.79	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	16.40	17.3	ug/Kg	106	62 - 127
1868-53-7	Dibromofluoromethane	16.40	18.6	ug/Kg	114	65 - 130
2037-26-5	Toluene d8	16.40	16.7	ug/Kg	102	71 - 132
17060-07-0	1,2-Dichloroethane-d4	16.40	18.3	ug/Kg	112	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	10000	06/28/2017 14:10	IXE	613105

CAS#	Parameter	Result	LOQ	Units
127-18-4	**Tetrachloroethene**	**173**	**38.6**	**mg/kg**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	328	338	ug/Kg	103	62 - 127
1868-53-7	Dibromofluoromethane	328	377	ug/Kg	115	65 - 130
2037-26-5	Toluene d8	328	354	ug/Kg	108	71 - 132
17060-07-0	1,2-Dichloroethane-d4	328	364	ug/Kg	111	62 - 125

Sample Results

ADD-1 @ 6	**Collect Date**	06/21/2017 09:24	**GCAL ID**	21706274206
	Receive Date	06/27/2017 10:20	**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	100	06/28/2017 16:17	IXE	613105

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.443	mg/kg
71-55-6	1,1,1-Trichloroethane	ND	0.443	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.443	mg/kg
79-00-5	1,1,2-Trichloroethane	ND	0.443	mg/kg
75-34-3	1,1-Dichloroethane	ND	0.443	mg/kg
75-35-4	1,1-Dichloroethene	ND	0.443	mg/kg
563-58-6	1,1-Dichloropropene	ND	0.443	mg/kg
96-18-4	1,2,3-Trichloropropane	ND	0.443	mg/kg
120-82-1	1,2,4-Trichlorobenzene	ND	0.443	mg/kg
95-63-6	1,2,4-Trimethylbenzene	ND	0.443	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.443	mg/kg
106-93-4	1,2-Dibromoethane	ND	0.443	mg/kg
95-50-1	1,2-Dichlorobenzene	ND	0.443	mg/kg
107-06-2	1,2-Dichloroethane	ND	0.443	mg/kg
540-59-0	**1,2-Dichloroethene(Total)**	**10.4**	**0.885**	**mg/kg**
78-87-5	1,2-Dichloropropane	ND	0.443	mg/kg
108-67-8	1,3,5-Trimethylbenzene	ND	0.443	mg/kg
541-73-1	1,3-Dichlorobenzene	ND	0.443	mg/kg
142-28-9	1,3-Dichloropropane	ND	0.443	mg/kg
106-46-7	1,4-Dichlorobenzene	ND	0.443	mg/kg
594-20-7	2,2-Dichloropropane	ND	0.443	mg/kg
78-93-3	2-Butanone	ND	0.443	mg/kg
95-49-8	2-Chlorotoluene	ND	0.443	mg/kg
591-78-6	2-Hexanone	ND	0.443	mg/kg
106-43-4	4-Chlorotoluene	ND	0.443	mg/kg
99-87-6	4-Isopropyltoluene	ND	0.443	mg/kg
108-10-1	4-Methyl-2-pentanone	ND	0.443	mg/kg
67-64-1	Acetone	ND	2.21	mg/kg
71-43-2	Benzene	ND	0.443	mg/kg
108-86-1	Bromobenzene	ND	0.443	mg/kg
74-97-5	Bromochloromethane	ND	0.443	mg/kg
75-27-4	Bromodichloromethane	ND	0.443	mg/kg
75-25-2	Bromoform	ND	0.443	mg/kg
74-83-9	Bromomethane	ND	0.443	mg/kg
75-15-0	Carbon disulfide	ND	0.443	mg/kg
56-23-5	Carbon tetrachloride	ND	0.443	mg/kg
108-90-7	Chlorobenzene	ND	0.443	mg/kg
75-00-3	Chloroethane	ND	0.443	mg/kg
67-66-3	Chloroform	ND	0.443	mg/kg
74-87-3	Chloromethane	ND	0.443	mg/kg
156-59-2	**cis-1,2-Dichloroethene**	**10.4**	**0.443**	**mg/kg**
10061-01-5	cis-1,3-Dichloropropene	ND	0.443	mg/kg
124-48-1	Dibromochloromethane	ND	0.443	mg/kg
74-95-3	Dibromomethane	ND	0.443	mg/kg
75-71-8	Dichlorodifluoromethane	ND	0.443	mg/kg
100-41-4	Ethylbenzene	ND	0.443	mg/kg
87-68-3	Hexachlorobutadiene	ND	0.443	mg/kg

Sample Results

ADD-1 @ 6

Collect Date	06/21/2017 09:24	**GCAL ID**	21706274206
Receive Date	06/27/2017 10:20	**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	100	06/28/2017 16:17	IXE	613105

CAS#	Parameter	Result	LOQ	Units
98-82-8	Isopropylbenzene (Cumene)	ND	0.443	mg/kg
136777-61-2	m,p-Xylene	ND	0.885	mg/kg
75-09-2	Methylene chloride	ND	0.885	mg/kg
91-20-3	Naphthalene	ND	0.443	mg/kg
104-51-8	n-Butylbenzene	ND	0.443	mg/kg
103-65-1	n-Propylbenzene	ND	0.443	mg/kg
95-47-6	o-Xylene	ND	0.443	mg/kg
135-98-8	sec-Butylbenzene	ND	0.443	mg/kg
100-42-5	Styrene	ND	0.443	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	0.443	mg/kg
98-06-6	tert-Butylbenzene	ND	0.443	mg/kg
108-88-3	Toluene	ND	0.443	mg/kg
156-60-5	trans-1,2-Dichloroethene	ND	0.443	mg/kg
10061-02-6	trans-1,3-Dichloropropene	ND	0.443	mg/kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	0.443	mg/kg
79-01-6	**Trichloroethene**	**3.31**	**0.443**	**mg/kg**
75-69-4	Trichlorofluoromethane	ND	0.443	mg/kg
76-13-1	Trichlorotrifluoroethane	ND	0.443	mg/kg
75-01-4	Vinyl chloride	ND	0.443	mg/kg
1330-20-7	Xylene (total)	ND	1.33	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	3.52	3.5	ug/Kg	100	62 - 127
1868-53-7	Dibromofluoromethane	3.52	3.93	ug/Kg	112	65 - 130
2037-26-5	Toluene d8	3.52	3.72	ug/Kg	106	71 - 132
17060-07-0	1,2-Dichloroethane-d4	3.52	3.82	ug/Kg	109	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	1000	06/28/2017 14:31	IXE	613105

CAS#	Parameter	Result	LOQ	Units
127-18-4	**Tetrachloroethene**	**56.3**	**4.43**	**mg/kg**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	35.20	35	ug/Kg	100	62 - 127
1868-53-7	Dibromofluoromethane	35.20	40.5	ug/Kg	115	65 - 130
2037-26-5	Toluene d8	35.20	37.4	ug/Kg	106	71 - 132
17060-07-0	1,2-Dichloroethane-d4	35.20	38.5	ug/Kg	109	62 - 125

Sample Results

ADD-1 @ 10	**Collect Date**	06/21/2017 09:27	**GCAL ID**	21706274207
	Receive Date	06/27/2017 10:20	**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	500	06/28/2017 16:39	IXE	613105

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.51	mg/kg
71-55-6	1,1,1-Trichloroethane	ND	2.51	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.51	mg/kg
79-00-5	1,1,2-Trichloroethane	ND	2.51	mg/kg
75-34-3	1,1-Dichloroethane	ND	2.51	mg/kg
75-35-4	1,1-Dichloroethene	ND	2.51	mg/kg
563-58-6	1,1-Dichloropropene	ND	2.51	mg/kg
96-18-4	1,2,3-Trichloropropane	ND	2.51	mg/kg
120-82-1	1,2,4-Trichlorobenzene	ND	2.51	mg/kg
95-63-6	1,2,4-Trimethylbenzene	ND	2.51	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.51	mg/kg
106-93-4	1,2-Dibromoethane	ND	2.51	mg/kg
95-50-1	1,2-Dichlorobenzene	ND	2.51	mg/kg
107-06-2	1,2-Dichloroethane	ND	2.51	mg/kg
540-59-0	1,2-Dichloroethene(Total)	ND	5.02	mg/kg
78-87-5	1,2-Dichloropropane	ND	2.51	mg/kg
108-67-8	1,3,5-Trimethylbenzene	ND	2.51	mg/kg
541-73-1	1,3-Dichlorobenzene	ND	2.51	mg/kg
142-28-9	1,3-Dichloropropane	ND	2.51	mg/kg
106-46-7	1,4-Dichlorobenzene	ND	2.51	mg/kg
594-20-7	2,2-Dichloropropane	ND	2.51	mg/kg
78-93-3	2-Butanone	ND	2.51	mg/kg
95-49-8	2-Chlorotoluene	ND	2.51	mg/kg
591-78-6	2-Hexanone	ND	2.51	mg/kg
106-43-4	4-Chlorotoluene	ND	2.51	mg/kg
99-87-6	4-Isopropyltoluene	ND	2.51	mg/kg
108-10-1	4-Methyl-2-pentanone	ND	2.51	mg/kg
67-64-1	Acetone	ND	12.6	mg/kg
71-43-2	Benzene	ND	2.51	mg/kg
108-86-1	Bromobenzene	ND	2.51	mg/kg
74-97-5	Bromochloromethane	ND	2.51	mg/kg
75-27-4	Bromodichloromethane	ND	2.51	mg/kg
75-25-2	Bromoform	ND	2.51	mg/kg
74-83-9	Bromomethane	ND	2.51	mg/kg
75-15-0	Carbon disulfide	ND	2.51	mg/kg
56-23-5	Carbon tetrachloride	ND	2.51	mg/kg
108-90-7	Chlorobenzene	ND	2.51	mg/kg
75-00-3	Chloroethane	ND	2.51	mg/kg
67-66-3	Chloroform	ND	2.51	mg/kg
74-87-3	Chloromethane	ND	2.51	mg/kg
156-59-2	**cis-1,2-Dichloroethene**	**3.35**	**2.51**	**mg/kg**
10061-01-5	cis-1,3-Dichloropropene	ND	2.51	mg/kg
124-48-1	Dibromochloromethane	ND	2.51	mg/kg
74-95-3	Dibromomethane	ND	2.51	mg/kg
75-71-8	Dichlorodifluoromethane	ND	2.51	mg/kg
100-41-4	Ethylbenzene	ND	2.51	mg/kg
87-68-3	Hexachlorobutadiene	ND	2.51	mg/kg

Sample Results

ADD-1 @ 10

Collect Date	06/21/2017 09:27	**GCAL ID**	21706274207
Receive Date	06/27/2017 10:20	**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	500	06/28/2017 16:39	IXE	613105

CAS#	Parameter	Result	LOQ	Units
98-82-8	Isopropylbenzene (Cumene)	ND	2.51	mg/kg
136777-61-2	m,p-Xylene	ND	5.02	mg/kg
75-09-2	Methylene chloride	ND	5.02	mg/kg
91-20-3	Naphthalene	ND	2.51	mg/kg
104-51-8	n-Butylbenzene	ND	2.51	mg/kg
103-65-1	n-Propylbenzene	ND	2.51	mg/kg
95-47-6	o-Xylene	ND	2.51	mg/kg
135-98-8	sec-Butylbenzene	ND	2.51	mg/kg
100-42-5	Styrene	ND	2.51	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	2.51	mg/kg
98-06-6	tert-Butylbenzene	ND	2.51	mg/kg
108-88-3	Toluene	ND	2.51	mg/kg
156-60-5	trans-1,2-Dichloroethene	ND	2.51	mg/kg
10061-02-6	trans-1,3-Dichloropropene	ND	2.51	mg/kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.51	mg/kg
79-01-6	**Trichloroethene**	**6.33**	**2.51**	**mg/kg**
75-69-4	Trichlorofluoromethane	ND	2.51	mg/kg
76-13-1	Trichlorotrifluoroethane	ND	2.51	mg/kg
75-01-4	Vinyl chloride	ND	2.51	mg/kg
1330-20-7	Xylene (total)	ND	7.53	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	19.30	19.9	ug/Kg	103	62 - 127
1868-53-7	Dibromofluoromethane	19.30	22.6	ug/Kg	117	65 - 130
2037-26-5	Toluene d8	19.30	18.9	ug/Kg	98	71 - 132
17060-07-0	1,2-Dichloroethane-d4	19.30	21.2	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	5000	06/28/2017 14:53	IXE	613105

CAS#	Parameter	Result	LOQ	Units
127-18-4	**Tetrachloroethene**	**162**	**25.1**	**mg/kg**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	193	195	ug/Kg	101	62 - 127
1868-53-7	Dibromofluoromethane	193	222	ug/Kg	115	65 - 130
2037-26-5	Toluene d8	193	207	ug/Kg	107	71 - 132
17060-07-0	1,2-Dichloroethane-d4	193	210	ug/Kg	109	62 - 125

Sample Results

ADD-2 @ 5	**Collect Date**	06/21/2017 09:35	**GCAL ID**	21706274208
	Receive Date	06/27/2017 10:20	**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	5000	06/28/2017 17:00	IXE	613105

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	24.5	mg/kg
71-55-6	1,1,1-Trichloroethane	ND	24.5	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	24.5	mg/kg
79-00-5	1,1,2-Trichloroethane	ND	24.5	mg/kg
75-34-3	1,1-Dichloroethane	ND	24.5	mg/kg
75-35-4	1,1-Dichloroethene	ND	24.5	mg/kg
563-58-6	1,1-Dichloropropene	ND	24.5	mg/kg
96-18-4	1,2,3-Trichloropropane	ND	24.5	mg/kg
120-82-1	1,2,4-Trichlorobenzene	ND	24.5	mg/kg
95-63-6	1,2,4-Trimethylbenzene	ND	24.5	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	ND	24.5	mg/kg
106-93-4	1,2-Dibromoethane	ND	24.5	mg/kg
95-50-1	1,2-Dichlorobenzene	ND	24.5	mg/kg
107-06-2	1,2-Dichloroethane	ND	24.5	mg/kg
540-59-0	1,2-Dichloroethene(Total)	ND	49.0	mg/kg
78-87-5	1,2-Dichloropropane	ND	24.5	mg/kg
108-67-8	1,3,5-Trimethylbenzene	ND	24.5	mg/kg
541-73-1	1,3-Dichlorobenzene	ND	24.5	mg/kg
142-28-9	1,3-Dichloropropane	ND	24.5	mg/kg
106-46-7	1,4-Dichlorobenzene	ND	24.5	mg/kg
594-20-7	2,2-Dichloropropane	ND	24.5	mg/kg
78-93-3	2-Butanone	ND	24.5	mg/kg
95-49-8	2-Chlorotoluene	ND	24.5	mg/kg
591-78-6	2-Hexanone	ND	24.5	mg/kg
106-43-4	4-Chlorotoluene	ND	24.5	mg/kg
99-87-6	4-Isopropyltoluene	ND	24.5	mg/kg
108-10-1	4-Methyl-2-pentanone	ND	24.5	mg/kg
67-64-1	Acetone	ND	123	mg/kg
71-43-2	Benzene	ND	24.5	mg/kg
108-86-1	Bromobenzene	ND	24.5	mg/kg
74-97-5	Bromochloromethane	ND	24.5	mg/kg
75-27-4	Bromodichloromethane	ND	24.5	mg/kg
75-25-2	Bromoform	ND	24.5	mg/kg
74-83-9	Bromomethane	ND	24.5	mg/kg
75-15-0	Carbon disulfide	ND	24.5	mg/kg
56-23-5	Carbon tetrachloride	ND	24.5	mg/kg
108-90-7	Chlorobenzene	ND	24.5	mg/kg
75-00-3	Chloroethane	ND	24.5	mg/kg
67-66-3	Chloroform	ND	24.5	mg/kg
74-87-3	Chloromethane	ND	24.5	mg/kg
156-59-2	cis-1,2-Dichloroethene	ND	24.5	mg/kg
10061-01-5	cis-1,3-Dichloropropene	ND	24.5	mg/kg
124-48-1	Dibromochloromethane	ND	24.5	mg/kg
74-95-3	Dibromomethane	ND	24.5	mg/kg
75-71-8	Dichlorodifluoromethane	ND	24.5	mg/kg
100-41-4	Ethylbenzene	ND	24.5	mg/kg
87-68-3	Hexachlorobutadiene	ND	24.5	mg/kg

Sample Results

ADD-2 @ 5

Collect Date	06/21/2017 09:35	**GCAL ID**	21706274208
Receive Date	06/27/2017 10:20	**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	5000	06/28/2017 17:00	IXE	613105

CAS#	Parameter	Result	LOQ	Units
98-82-8	Isopropylbenzene (Cumene)	ND	24.5	mg/kg
136777-61-2	m,p-Xylene	ND	49.0	mg/kg
75-09-2	Methylene chloride	ND	49.0	mg/kg
91-20-3	Naphthalene	ND	24.5	mg/kg
104-51-8	n-Butylbenzene	ND	24.5	mg/kg
103-65-1	n-Propylbenzene	ND	24.5	mg/kg
95-47-6	o-Xylene	ND	24.5	mg/kg
135-98-8	sec-Butylbenzene	ND	24.5	mg/kg
100-42-5	Styrene	ND	24.5	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	24.5	mg/kg
98-06-6	tert-Butylbenzene	ND	24.5	mg/kg
108-88-3	Toluene	ND	24.5	mg/kg
156-60-5	trans-1,2-Dichloroethene	ND	24.5	mg/kg
10061-02-6	trans-1,3-Dichloropropene	ND	24.5	mg/kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	24.5	mg/kg
79-01-6	**Trichloroethene**	**32.3**	**24.5**	**mg/kg**
75-69-4	Trichlorofluoromethane	ND	24.5	mg/kg
76-13-1	Trichlorotrifluoroethane	ND	24.5	mg/kg
75-01-4	Vinyl chloride	ND	24.5	mg/kg
1330-20-7	Xylene (total)	ND	73.5	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	210	226	ug/Kg	107	62 - 127
1868-53-7	Dibromofluoromethane	210	248	ug/Kg	118	65 - 130
2037-26-5	Toluene d8	210	201	ug/Kg	96	71 - 132
17060-07-0	1,2-Dichloroethane-d4	210	235	ug/Kg	112	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	100000	06/28/2017 15:14	IXE	613105

CAS#	Parameter	Result	LOQ	Units
127-18-4	**Tetrachloroethene**	**2320**	**490**	**mg/kg**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	4210	4310	ug/Kg	102	62 - 127
1868-53-7	Dibromofluoromethane	4210	4820	ug/Kg	115	65 - 130
2037-26-5	Toluene d8	4210	4420	ug/Kg	105	71 - 132
17060-07-0	1,2-Dichloroethane-d4	4210	4560	ug/Kg	108	62 - 125

Sample Results

ADD-2 @ 10

Collect Date	06/21/2017 09:38	**GCAL ID**	21706274209
Receive Date	06/27/2017 10:20	**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	06/29/2017 13:33	IXE	613176

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.249	mg/kg
71-55-6	1,1,1-Trichloroethane	ND	0.249	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.249	mg/kg
79-00-5	1,1,2-Trichloroethane	ND	0.249	mg/kg
75-34-3	1,1-Dichloroethane	ND	0.249	mg/kg
75-35-4	1,1-Dichloroethene	ND	0.249	mg/kg
563-58-6	1,1-Dichloropropene	ND	0.249	mg/kg
96-18-4	1,2,3-Trichloropropane	ND	0.249	mg/kg
120-82-1	1,2,4-Trichlorobenzene	ND	0.249	mg/kg
95-63-6	1,2,4-Trimethylbenzene	ND	0.249	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.249	mg/kg
106-93-4	1,2-Dibromoethane	ND	0.249	mg/kg
95-50-1	1,2-Dichlorobenzene	ND	0.249	mg/kg
107-06-2	1,2-Dichloroethane	ND	0.249	mg/kg
540-59-0	**1,2-Dichloroethene(Total)**	**7.40**	**0.499**	**mg/kg**
78-87-5	1,2-Dichloropropane	ND	0.249	mg/kg
108-67-8	1,3,5-Trimethylbenzene	ND	0.249	mg/kg
541-73-1	1,3-Dichlorobenzene	ND	0.249	mg/kg
142-28-9	1,3-Dichloropropane	ND	0.249	mg/kg
106-46-7	1,4-Dichlorobenzene	ND	0.249	mg/kg
594-20-7	2,2-Dichloropropane	ND	0.249	mg/kg
78-93-3	2-Butanone	ND	0.249	mg/kg
95-49-8	2-Chlorotoluene	ND	0.249	mg/kg
591-78-6	2-Hexanone	ND	0.249	mg/kg
106-43-4	4-Chlorotoluene	ND	0.249	mg/kg
99-87-6	4-Isopropyltoluene	ND	0.249	mg/kg
108-10-1	4-Methyl-2-pentanone	ND	0.249	mg/kg
67-64-1	Acetone	ND	1.25	mg/kg
71-43-2	Benzene	ND	0.249	mg/kg
108-86-1	Bromobenzene	ND	0.249	mg/kg
74-97-5	Bromochloromethane	ND	0.249	mg/kg
75-27-4	Bromodichloromethane	ND	0.249	mg/kg
75-25-2	Bromoform	ND	0.249	mg/kg
74-83-9	Bromomethane	ND	0.249	mg/kg
75-15-0	Carbon disulfide	ND	0.249	mg/kg
56-23-5	Carbon tetrachloride	ND	0.249	mg/kg
108-90-7	Chlorobenzene	ND	0.249	mg/kg
75-00-3	Chloroethane	ND	0.249	mg/kg
67-66-3	Chloroform	ND	0.249	mg/kg
74-87-3	Chloromethane	ND	0.249	mg/kg
156-59-2	**cis-1,2-Dichloroethene**	**7.35**	**0.249**	**mg/kg**
10061-01-5	cis-1,3-Dichloropropene	ND	0.249	mg/kg
124-48-1	Dibromochloromethane	ND	0.249	mg/kg
74-95-3	Dibromomethane	ND	0.249	mg/kg
75-71-8	Dichlorodifluoromethane	ND	0.249	mg/kg
100-41-4	Ethylbenzene	ND	0.249	mg/kg
87-68-3	Hexachlorobutadiene	ND	0.249	mg/kg

Sample Results

ADD-2 @ 10

Collect Date	06/21/2017 09:38	**GCAL ID**	21706274209
Receive Date	06/27/2017 10:20	**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	06/29/2017 13:33	IXE	613176

CAS#	Parameter	Result	LOQ	Units
98-82-8	Isopropylbenzene (Cumene)	ND	0.249	mg/kg
136777-61-2	m,p-Xylene	ND	0.499	mg/kg
75-09-2	Methylene chloride	ND	0.499	mg/kg
91-20-3	Naphthalene	ND	0.249	mg/kg
104-51-8	n-Butylbenzene	ND	0.249	mg/kg
103-65-1	n-Propylbenzene	ND	0.249	mg/kg
95-47-6	o-Xylene	ND	0.249	mg/kg
135-98-8	sec-Butylbenzene	ND	0.249	mg/kg
100-42-5	Styrene	ND	0.249	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	0.249	mg/kg
98-06-6	tert-Butylbenzene	ND	0.249	mg/kg
108-88-3	Toluene	ND	0.249	mg/kg
156-60-5	trans-1,2-Dichloroethene	ND	0.249	mg/kg
10061-02-6	trans-1,3-Dichloropropene	ND	0.249	mg/kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	0.249	mg/kg
79-01-6	**Trichloroethene**	**4.43**	**0.249**	**mg/kg**
75-69-4	Trichlorofluoromethane	ND	0.249	mg/kg
76-13-1	Trichlorotrifluoroethane	ND	0.249	mg/kg
75-01-4	Vinyl chloride	ND	0.249	mg/kg
1330-20-7	Xylene (total)	ND	0.748	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	1.86	1.86	ug/Kg	100	62 - 127
1868-53-7	Dibromofluoromethane	1.86	2.01	ug/Kg	108	65 - 130
2037-26-5	Toluene d8	1.86	2.01	ug/Kg	108	71 - 132
17060-07-0	1,2-Dichloroethane-d4	1.86	1.94	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	250	06/29/2017 12:29	IXE	613176

CAS#	Parameter	Result	LOQ	Units
127-18-4	**Tetrachloroethene**	**15.2**	**1.25**	**mg/kg**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	9.29	9.25	ug/Kg	100	62 - 127
1868-53-7	Dibromofluoromethane	9.29	10.5	ug/Kg	113	65 - 130
2037-26-5	Toluene d8	9.29	10	ug/Kg	108	71 - 132
17060-07-0	1,2-Dichloroethane-d4	9.29	9.87	ug/Kg	106	62 - 125

Sample Results

TRIP BLANK

Collect Date	06/21/2017 00:01	**GCAL ID**	21706274210
Receive Date	06/27/2017 10:20	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	06/28/2017 15:07	IXE	613083

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**	**5.92**	**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

Sample Results

TRIP BLANK	**Collect Date**	06/21/2017 00:01	**GCAL ID**	21706274210
	Receive Date	06/27/2017 10:20	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	06/28/2017 15:07	IXE	613083

CAS#	Parameter	Result	LOQ	Units
98-82-8	Isopropylbenzene (Cumene)	ND	5.00	ug/L
136777-61-2	m,p-Xylene	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	2.00	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	49.8	ug/L	100	78 - 130
1868-53-7	Dibromofluoromethane	50	54.4	ug/L	109	77 - 127
2037-26-5	Toluene d8	50	52.1	ug/L	104	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	51	ug/L	102	71 - 127

GC/MS Volatiles QC Summary

Analytical Batch 613105	Client ID	MB613105		LCS613105				LCSD613105				
	GCAL ID	1696965		1696966				1696967				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	06/28/2017 13:08		06/28/2017 10:20				06/28/2017 10:46				
	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	2.55	102	77 - 122	2.50	2.59	104	2	30
1,1,1-Trichloroethane	71-55-6	ND	0.250	2.50	2.49	100	70 - 130	2.50	2.60	104	4	30
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.250	2.50	2.54	102	66 - 129	2.50	2.40	96	6	30
1,1,2-Trichloroethane	79-00-5	ND	0.250	2.50	2.39	96	74 - 120	2.50	2.42	97	1	30
1,1-Dichloroethane	75-34-3	ND	0.250	2.50	2.50	100	71 - 126	2.50	2.38	95	5	30
1,1-Dichloroethene	75-35-4	ND	0.250	2.50	2.50	100	68 - 129	2.50	2.58	103	3	20
1,1-Dichloropropene	563-58-6	ND	0.250	2.50	2.54	102	70 - 138	2.50	2.61	104	3	30
1,2,3-Trichloropropane	96-18-4	ND	0.250	2.50	2.42	97	63 - 132	2.50	2.20	88	10	30
1,2,4-Trichlorobenzene	120-82-1	ND	0.250	2.50	2.52	101	64 - 135	2.50	2.58	103	2	30
1,2,4-Trimethylbenzene	95-63-6	ND	0.250	2.50	2.71	108	75 - 130	2.50	2.79	112	3	30
1,2-Dibromo-3-chloropropane	96-12-8	ND	0.250	2.50	2.50	100	60 - 123	2.50	2.35	94	6	30
1,2-Dibromoethane	106-93-4	ND	0.250	2.50	2.65	106	74 - 122	2.50	2.59	104	2	30
1,2-Dichlorobenzene	95-50-1	ND	0.250	2.50	2.51	100	76 - 125	2.50	2.52	101	0	30
1,2-Dichloroethane	107-06-2	ND	0.250	2.50	2.45	98	68 - 126	2.50	2.37	95	3	30
1,2-Dichloroethene(Total)	540-59-0	ND	0.500	5.00	4.81	96	72 - 129	5.00	5.11	102	6	30
1,2-Dichloropropane	78-87-5	ND	0.250	2.50	2.61	104	72 - 129	2.50	2.55	102	2	30
1,3,5-Trimethylbenzene	108-67-8	ND	0.250	2.50	2.62	105	74 - 136	2.50	2.75	110	5	30
1,3-Dichlorobenzene	541-73-1	ND	0.250	2.50	2.55	102	77 - 127	2.50	2.66	106	4	30
1,3-Dichloropropane	142-28-9	ND	0.250	2.50	2.31	92	77 - 121	2.50	2.33	93	1	30
1,4-Dichlorobenzene	106-46-7	ND	0.250	2.50	2.44	98	74 - 123	2.50	2.50	100	2	30
2,2-Dichloropropane	594-20-7	ND	0.250	2.50	2.65	106	74 - 129	2.50	2.85	114	7	30
2-Butanone	78-93-3	ND	0.250	2.50	2.98	119	47 - 142	2.50	2.77	111	7	30
2-Chlorotoluene	95-49-8	ND	0.250	2.50	2.42	97	75 - 132	2.50	2.54	102	5	30
2-Hexanone	591-78-6	ND	0.250	2.50	2.38	95	47 - 137	2.50	2.31	92	3	30
4-Chlorotoluene	106-43-4	ND	0.250	2.50	2.45	98	74 - 133	2.50	2.57	103	5	30
4-Isopropyltoluene	99-87-6	ND	0.250	2.50	2.35	94	71 - 136	2.50	2.52	101	7	30
4-Methyl-2-pentanone	108-10-1	ND	0.250	2.50	2.37	95	52 - 136	2.50	2.29	92	3	30
Acetone	67-64-1	ND	1.25	2.50	2.75	110	38 - 152	2.50	2.85	114	4	30
Benzene	71-43-2	ND	0.250	2.50	2.60	104	73 - 128	2.50	2.67	107	3	20
Bromobenzene	108-86-1	ND	0.250	2.50	2.24	90	73 - 124	2.50	2.31	92	3	30
Bromochloromethane	74-97-5	ND	0.250	2.50	2.83	113	73 - 127	2.50	2.73	109	4	30
Bromodichloromethane	75-27-4	ND	0.250	2.50	2.59	104	74 - 126	2.50	2.48	99	4	30
Bromoform	75-25-2	ND	0.250	2.50	2.84	114	67 - 122	2.50	2.80	112	1	30
Bromomethane	74-83-9	ND	0.250	2.50	2.77	111	48 - 139	2.50	2.80	112	1	30
Carbon disulfide	75-15-0	ND	0.250	2.50	2.51	100	68 - 133	2.50	2.68	107	7	30
Carbon tetrachloride	56-23-5	ND	0.250	2.50	2.62	105	71 - 133	2.50	2.80	112	7	30
Chlorobenzene	108-90-7	ND	0.250	2.50	2.53	101	75 - 121	2.50	2.70	108	7	20
Chloroethane	75-00-3	ND	0.250	2.50	2.50	100	57 - 144	2.50	2.54	102	2	30
Chloroform	67-66-3	ND	0.250	2.50	2.55	102	74 - 124	2.50	2.60	104	2	30
Chloromethane	74-87-3	ND	0.250	2.50	2.65	106	61 - 130	2.50	2.58	103	3	30
cis-1,2-Dichloroethene	156-59-2	ND	0.250	2.50	2.54	102	72 - 130	2.50	2.66	106	5	30
cis-1,3-Dichloropropene	10061-01-5	ND	0.250	2.50	2.69	108	72 - 129	2.50	2.63	105	2	30
Dibromochloromethane	124-48-1	ND	0.250	2.50	2.61	104	74 - 122	2.50	2.59	104	1	30
Dibromomethane	74-95-3	ND	0.250	2.50	2.60	104	72 - 125	2.50	2.56	102	2	30
Dichlorodifluoromethane	75-71-8	ND	0.250	2.50	2.60	104	59 - 138	2.50	2.72	109	5	30
Ethylbenzene	100-41-4	ND	0.250	2.50	2.77	111	74 - 130	2.50	2.93	117	6	30
Hexachlorobutadiene	87-68-3	ND	0.250	2.50	2.93	117	71 - 140	2.50	3.24	130	10	30
Isopropylbenzene (Cumene)	98-82-8	ND	0.250	2.50	2.40	96	74 - 125	2.50	2.60	104	8	30
m,p-Xylene	136777-61-2	ND	0.500	5.00	5.03	101	72 - 128	5.00	5.34	107	6	30
Methylene chloride	75-09-2	ND	0.500	2.50	2.71	108	66 - 130	2.50	2.60	104	4	30
Naphthalene	91-20-3	ND	0.250	2.50	2.23	89	54 - 132	2.50	2.19	88	2	35
n-Butylbenzene	104-51-8	ND	0.250	2.50	2.29	92	68 - 144	2.50	2.44	98	6	30
n-Propylbenzene	103-65-1	ND	0.250	2.50	2.37	95	73 - 137	2.50	2.53	101	7	30
o-Xylene	95-47-6	ND	0.250	2.50	2.43	97	69 - 133	2.50	2.60	104	7	30
sec-Butylbenzene	135-98-8	ND	0.250	2.50	2.60	104	72 - 141	2.50	2.79	112	7	30
Styrene	100-42-5	ND	0.250	2.50	2.53	101	72 - 128	2.50	2.59	104	2	30
tert-Butyl methyl ether (MTBE)	1634-04-4	ND	0.250	2.50	2.59	104	69 - 126	2.50	2.61	104	1	30
tert-Butylbenzene	98-06-6	ND	0.250	2.50	2.51	100	72 - 136	2.50	2.61	104	4	30

GC/MS Volatiles QC Summary

Analytical Batch 613105	Client ID	MB613105		LCS613105				LCSD613105				
	GCAL ID	1696965		1696966				1696967				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	06/28/2017 13:08		06/28/2017 10:20				06/28/2017 10:46				
	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
Tetrachloroethene	127-18-4	ND	0.250	2.50	2.47	99	70 - 127	2.50	2.74	110	10	30
Toluene	108-88-3	ND	0.250	2.50	2.34	94	74 - 121	2.50	2.52	101	7	20
trans-1,2-Dichloroethene	156-60-5	ND	0.250	2.50	2.26	90	67 - 134	2.50	2.45	98	8	30
trans-1,3-Dichloropropene	10061-02-6	ND	0.250	2.50	3.01	120	72 - 126	2.50	2.89	116	4	30
trans-1,4-Dichloro-2-butene	110-57-6	ND	0.250	2.50	2.26	90	44 - 146	2.50	1.98	79	13	30
Trichloroethene	79-01-6	ND	0.250	2.50	2.64	106	78 - 127	2.50	2.67	107	1	20
Trichlorofluoromethane	75-69-4	ND	0.250	2.50	2.56	102	64 - 141	2.50	2.66	106	4	30
Trichlorotrifluoroethane	76-13-1	ND	0.250	2.50	2.60	104	66 - 139	2.50	2.66	106	2	30
Vinyl chloride	75-01-4	ND	0.250	2.50	2.60	104	67 - 131	2.50	2.69	108	3	30
Xylene (total)	1330-20-7	ND	0.750	7.50	7.46	99	71 - 129	7.50	7.94	106	6	30
Surrogate												
1,2-Dichloroethane-d4	17060-07-0	2.59	104	2.5	2.46	98	62 - 125	2.5	2.38	95	NA	NA
4-Bromofluorobenzene	460-00-4	2.58	103	2.5	2.7	108	62 - 127	2.5	2.82	113	NA	NA
Dibromofluoromethane	1868-53-7	2.75	110	2.5	2.63	105	65 - 130	2.5	2.61	104	NA	NA
Toluene d8	2037-26-5	2.89	116	2.5	2.38	95	71 - 132	2.5	2.48	99	NA	NA

Analytical Batch 613131	Client ID	MB613131		LCS613131				LCSD613131				
	GCAL ID	1697076		1697077				1697078				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	06/29/2017 20:50		06/29/2017 19:17				06/29/2017 19:41				
	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	0.049	97	77 - 122	0.050	0.049	99	0	30
1,1,1-Trichloroethane	71-55-6	ND	0.00500	0.050	0.044	89	70 - 130	0.050	0.044	89	0	30
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.00500	0.050	0.046	92	66 - 129	0.050	0.046	91	0	30
1,1,2-Trichloroethane	79-00-5	ND	0.00500	0.050	0.046	91	74 - 120	0.050	0.046	91	0	30
1,1-Dichloroethane	75-34-3	ND	0.00500	0.050	0.043	87	71 - 126	0.050	0.043	86	0	30
1,1-Dichloroethene	75-35-4	ND	0.00500	0.050	0.047	93	68 - 129	0.050	0.046	92	2	20
1,1-Dichloropropene	563-58-6	ND	0.00500	0.050	0.045	90	70 - 138	0.050	0.047	93	4	30
1,2,3-Trichloropropane	96-18-4	ND	0.00500	0.050	0.047	94	63 - 132	0.050	0.047	95	0	30
1,2,4-Trichlorobenzene	120-82-1	ND	0.00500	0.050	0.050	100	64 - 135	0.050	0.050	101	0	30
1,2,4-Trimethylbenzene	95-63-6	ND	0.00500	0.050	0.050	100	75 - 130	0.050	0.051	102	2	30
1,2-Dibromo-3-chloropropane	96-12-8	ND	0.00500	0.050	0.049	98	60 - 123	0.050	0.050	99	2	30
1,2-Dibromoethane	106-93-4	ND	0.00500	0.050	0.047	93	74 - 122	0.050	0.048	96	2	30
1,2-Dichlorobenzene	95-50-1	ND	0.00500	0.050	0.049	97	76 - 125	0.050	0.048	97	2	30
1,2-Dichloroethane	107-06-2	ND	0.00500	0.050	0.044	88	68 - 126	0.050	0.042	85	5	30
1,2-Dichloroethene(Total)	540-59-0	ND	0.010	0.100	0.088	88	72 - 129	0.100	0.088	88	0	30
1,2-Dichloropropane	78-87-5	ND	0.00500	0.050	0.046	92	72 - 129	0.050	0.045	90	2	30
1,3,5-Trimethylbenzene	108-67-8	ND	0.00500	0.050	0.049	99	74 - 136	0.050	0.049	98	0	30
1,3-Dichlorobenzene	541-73-1	ND	0.00500	0.050	0.048	96	77 - 127	0.050	0.048	95	0	30
1,3-Dichloropropane	142-28-9	ND	0.00500	0.050	0.047	95	77 - 121	0.050	0.048	96	2	30
1,4-Dichlorobenzene	106-46-7	ND	0.00500	0.050	0.046	92	74 - 123	0.050	0.047	93	2	30
2,2-Dichloropropane	594-20-7	ND	0.00500	0.050	0.045	89	74 - 129	0.050	0.043	86	5	30
2-Butanone	78-93-3	ND	0.00500	0.050	0.045	90	47 - 142	0.050	0.047	93	4	30
2-Chlorotoluene	95-49-8	ND	0.00500	0.050	0.048	96	75 - 132	0.050	0.047	94	2	30
2-Hexanone	591-78-6	ND	0.00500	0.050	0.049	98	47 - 137	0.050	0.049	97	0	30
4-Chlorotoluene	106-43-4	ND	0.00500	0.050	0.050	99	74 - 133	0.050	0.049	97	2	30
4-Isopropyltoluene	99-87-6	ND	0.00500	0.050	0.050	100	71 - 136	0.050	0.051	101	2	30
4-Methyl-2-pentanone	108-10-1	ND	0.00500	0.050	0.051	102	52 - 136	0.050	0.052	104	2	30
Acetone	67-64-1	ND	0.025	0.050	0.048	96	38 - 152	0.050	0.052	104	8	30
Benzene	71-43-2	ND	0.00500	0.050	0.046	92	73 - 128	0.050	0.046	91	0	20
Bromobenzene	108-86-1	ND	0.00500	0.050	0.047	94	73 - 124	0.050	0.046	91	2	30
Bromochloromethane	74-97-5	ND	0.00500	0.050	0.048	95	73 - 127	0.050	0.049	98	2	30
Bromodichloromethane	75-27-4	ND	0.00500	0.050	0.045	90	74 - 126	0.050	0.045	90	0	30
Bromoform	75-25-2	ND	0.00500	0.050	0.049	97	67 - 122	0.050	0.049	98	0	30

GC/MS Volatiles QC Summary

Analytical Batch 613131	Client ID	MB613131		LCS613131				LCSD613131				
	GCAL ID	1697076		1697077				1697078				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	06/29/2017 20:50		06/29/2017 19:17				06/29/2017 19:41				
	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
Bromomethane	74-83-9	ND	0.00500	0.050	0.060	120	48 - 139	0.050	0.058	115	3	30
Carbon disulfide	75-15-0	ND	0.00500	0.050	0.044	89	68 - 133	0.050	0.042	85	5	30
Carbon tetrachloride	56-23-5	ND	0.00500	0.050	0.043	86	71 - 133	0.050	0.043	86	0	30
Chlorobenzene	108-90-7	ND	0.00500	0.050	0.047	94	75 - 121	0.050	0.047	93	0	20
Chloroethane	75-00-3	ND	0.00500	0.050	0.050	99	57 - 144	0.050	0.049	97	2	30
Chloroform	67-66-3	ND	0.00500	0.050	0.045	89	74 - 124	0.050	0.044	88	2	30
Chloromethane	74-87-3	ND	0.00500	0.050	0.045	89	61 - 130	0.050	0.043	86	5	30
cis-1,2-Dichloroethene	156-59-2	ND	0.00500	0.050	0.044	88	72 - 130	0.050	0.045	90	2	30
cis-1,3-Dichloropropene	10061-01-5	ND	0.00500	0.050	0.048	95	72 - 129	0.050	0.046	93	4	30
Dibromochloromethane	124-48-1	ND	0.00500	0.050	0.049	98	74 - 122	0.050	0.046	93	6	30
Dibromomethane	74-95-3	ND	0.00500	0.050	0.046	92	72 - 125	0.050	0.045	91	2	30
Dichlorodifluoromethane	75-71-8	ND	0.00500	0.050	0.044	89	59 - 138	0.050	0.043	86	2	30
Ethylbenzene	100-41-4	ND	0.00500	0.050	0.047	95	74 - 130	0.050	0.047	94	0	30
Hexachlorobutadiene	87-68-3	ND	0.00500	0.050	0.047	94	71 - 140	0.050	0.046	91	2	30
Isopropylbenzene (Cumene)	98-82-8	ND	0.00500	0.050	0.050	100	74 - 125	0.050	0.050	99	0	30
m,p-Xylene	136777-61-2	ND	0.010	0.100	0.099	99	72 - 128	0.100	0.098	98	1	30
Methylene chloride	75-09-2	ND	0.010	0.050	0.045	89	66 - 130	0.050	0.047	94	4	30
Naphthalene	91-20-3	ND	0.00500	0.050	0.053	106	54 - 132	0.050	0.054	108	2	35
n-Butylbenzene	104-51-8	ND	0.00500	0.050	0.048	96	68 - 144	0.050	0.047	94	2	30
n-Propylbenzene	103-65-1	ND	0.00500	0.050	0.047	95	73 - 137	0.050	0.047	94	0	30
o-Xylene	95-47-6	ND	0.00500	0.050	0.049	97	69 - 133	0.050	0.050	99	2	30
sec-Butylbenzene	135-98-8	ND	0.00500	0.050	0.048	97	72 - 141	0.050	0.047	94	2	30
Styrene	100-42-5	ND	0.00500	0.050	0.052	103	72 - 128	0.050	0.050	101	4	30
tert-Butyl methyl ether (MTBE)	1634-04-4	ND	0.00500	0.050	0.050	99	69 - 126	0.050	0.050	101	0	30
tert-Butylbenzene	98-06-6	ND	0.00500	0.050	0.048	96	72 - 136	0.050	0.047	94	2	30
Tetrachloroethene	127-18-4	ND	0.00500	0.050	0.049	98	70 - 127	0.050	0.050	99	2	30
Toluene	108-88-3	ND	0.00500	0.050	0.047	94	74 - 121	0.050	0.047	95	0	20
trans-1,2-Dichloroethene	156-60-5	ND	0.00500	0.050	0.045	89	67 - 134	0.050	0.043	86	5	30
trans-1,3-Dichloropropene	10061-02-6	ND	0.00500	0.050	0.048	96	72 - 126	0.050	0.050	100	4	30
trans-1,4-Dichloro-2-butene	110-57-6	ND	0.00500	0.050	0.046	93	44 - 146	0.050	0.049	98	6	30
Trichloroethene	79-01-6	ND	0.00500	0.050	0.046	91	78 - 127	0.050	0.046	93	0	20
Trichlorofluoromethane	75-69-4	ND	0.00500	0.050	0.047	93	64 - 141	0.050	0.047	95	0	30
Trichlorotrifluoroethane	76-13-1	ND	0.00500	0.050	0.050	99	66 - 139	0.050	0.048	95	4	30
Vinyl chloride	75-01-4	ND	0.00500	0.050	0.043	86	67 - 131	0.050	0.043	85	0	30
Xylene (total)	1330-20-7	ND	0.015	0.150	0.147	98	71 - 129	0.150	0.147	98	0	30
Surrogate												
1,2-Dichloroethane-d4	17060-07-0	.0493	99	.05	.0472	94	62 - 125	.05	.0474	95	NA	NA
4-Bromofluorobenzene	460-00-4	.0493	99	.05	.0505	101	62 - 127	.05	.0496	99	NA	NA
Dibromofluoromethane	1868-53-7	.0505	101	.05	.0487	97	65 - 130	.05	.0484	97	NA	NA
Toluene d8	2037-26-5	.0504	101	.05	.0515	103	71 - 132	.05	.0507	101	NA	NA

Analytical Batch 613176	Client ID	MB613176		LCS613176				LCSD613176				
	GCAL ID	1697376		1697377				1697378				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	06/29/2017 10:43		06/29/2017 08:57				06/29/2017 09:18				
	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	2.54	102	77 - 122	2.50	2.59	104	2	30
1,1,1-Trichloroethane	71-55-6	ND	0.250	2.50	2.60	104	70 - 130	2.50	2.53	101	3	30
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.250	2.50	2.31	92	66 - 129	2.50	2.40	96	4	30
1,1,2-Trichloroethane	79-00-5	ND	0.250	2.50	2.36	94	74 - 120	2.50	2.40	96	2	30
1,1-Dichloroethane	75-34-3	ND	0.250	2.50	2.62	105	71 - 126	2.50	2.52	101	4	30
1,1-Dichloroethene	75-35-4	ND	0.250	2.50	2.50	100	68 - 129	2.50	2.43	97	3	20
1,1-Dichloropropene	563-58-6	ND	0.250	2.50	2.53	101	70 - 138	2.50	2.47	99	2	30
1,2,3-Trichloropropane	96-18-4	ND	0.250	2.50	2.12	85	63 - 132	2.50	2.30	92	8	30

GC/MS Volatiles QC Summary

Analytical Batch 613176	Client ID	MB613176		LCS613176				LCSD613176				
	GCAL ID	1697376		1697377				1697378				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	06/29/2017 10:43		06/29/2017 08:57				06/29/2017 09:18				
	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
1,2,4-Trichlorobenzene	120-82-1	ND	0.250	2.50	2.22	89	64 - 135	2.50	2.37	95	7	30
1,2,4-Trimethylbenzene	95-63-6	ND	0.250	2.50	2.65	106	75 - 130	2.50	2.65	106	0	30
1,2-Dibromo-3-chloropropane	96-12-8	ND	0.250	2.50	2.14	86	60 - 123	2.50	2.31	92	8	30
1,2-Dibromoethane	106-93-4	ND	0.250	2.50	2.51	100	74 - 122	2.50	2.61	104	4	30
1,2-Dichlorobenzene	95-50-1	ND	0.250	2.50	2.44	98	76 - 125	2.50	2.49	100	2	30
1,2-Dichloroethane	107-06-2	ND	0.250	2.50	2.41	96	68 - 126	2.50	2.34	94	3	30
1,2-Dichloroethene(Total)	540-59-0	ND	0.500	5.00	4.87	97	72 - 129	5.00	4.86	97	0	30
1,2-Dichloropropane	78-87-5	ND	0.250	2.50	2.61	104	72 - 129	2.50	2.55	102	2	30
1,3,5-Trimethylbenzene	108-67-8	ND	0.250	2.50	2.59	104	74 - 136	2.50	2.60	104	0	30
1,3-Dichlorobenzene	541-73-1	ND	0.250	2.50	2.55	102	77 - 127	2.50	2.51	100	2	30
1,3-Dichloropropane	142-28-9	ND	0.250	2.50	2.28	91	77 - 121	2.50	2.24	90	2	30
1,4-Dichlorobenzene	106-46-7	ND	0.250	2.50	2.42	97	74 - 123	2.50	2.42	97	0	30
2,2-Dichloropropane	594-20-7	ND	0.250	2.50	2.70	108	74 - 129	2.50	2.58	103	5	30
2-Butanone	78-93-3	ND	0.250	2.50	2.71	108	47 - 142	2.50	2.77	111	2	30
2-Chlorotoluene	95-49-8	ND	0.250	2.50	2.38	95	75 - 132	2.50	2.39	96	0	30
2-Hexanone	591-78-6	ND	0.250	2.50	2.01	80	47 - 137	2.50	2.10	84	4	30
4-Chlorotoluene	106-43-4	ND	0.250	2.50	2.43	97	74 - 133	2.50	2.46	98	1	30
4-Isopropyltoluene	99-87-6	ND	0.250	2.50	2.31	92	71 - 136	2.50	2.30	92	0	30
4-Methyl-2-pentanone	108-10-1	ND	0.250	2.50	2.04	82	52 - 136	2.50	2.07	83	1	30
Acetone	67-64-1	ND	1.25	2.50	2.61	104	38 - 152	2.50	2.77	111	6	30
Benzene	71-43-2	ND	0.250	2.50	2.69	108	73 - 128	2.50	2.63	105	2	20
Bromobenzene	108-86-1	ND	0.250	2.50	2.25	90	73 - 124	2.50	2.29	92	2	30
Bromochloromethane	74-97-5	ND	0.250	2.50	3.08	123	73 - 127	2.50	2.90	116	6	30
Bromodichloromethane	75-27-4	ND	0.250	2.50	2.57	103	74 - 126	2.50	2.56	102	0	30
Bromoform	75-25-2	ND	0.250	2.50	2.74	110	67 - 122	2.50	2.75	110	0	30
Bromomethane	74-83-9	ND	0.250	2.50	2.80	112	48 - 139	2.50	2.89	116	3	30
Carbon disulfide	75-15-0	ND	0.250	2.50	2.62	105	68 - 133	2.50	2.49	100	5	30
Carbon tetrachloride	56-23-5	ND	0.250	2.50	2.71	108	71 - 133	2.50	2.60	104	4	30
Chlorobenzene	108-90-7	ND	0.250	2.50	2.62	105	75 - 121	2.50	2.58	103	2	20
Chloroethane	75-00-3	ND	0.250	2.50	2.61	104	57 - 144	2.50	2.52	101	4	30
Chloroform	67-66-3	ND	0.250	2.50	2.64	106	74 - 124	2.50	2.60	104	2	30
Chloromethane	74-87-3	ND	0.250	2.50	2.57	103	61 - 130	2.50	2.44	98	5	30
cis-1,2-Dichloroethene	156-59-2	ND	0.250	2.50	2.51	100	72 - 130	2.50	2.57	103	2	30
cis-1,3-Dichloropropene	10061-01-5	ND	0.250	2.50	2.52	101	72 - 129	2.50	2.52	101	0	30
Dibromochloromethane	124-48-1	ND	0.250	2.50	2.55	102	74 - 122	2.50	2.46	98	4	30
Dibromomethane	74-95-3	ND	0.250	2.50	2.65	106	72 - 125	2.50	2.64	106	0	30
Dichlorodifluoromethane	75-71-8	ND	0.250	2.50	2.54	102	59 - 138	2.50	2.43	97	4	30
Ethylbenzene	100-41-4	ND	0.250	2.50	2.80	112	74 - 130	2.50	2.74	110	2	30
Hexachlorobutadiene	87-68-3	ND	0.250	2.50	2.68	107	71 - 140	2.50	2.87	115	7	30
Isopropylbenzene (Cumene)	98-82-8	ND	0.250	2.50	2.45	98	74 - 125	2.50	2.36	94	4	30
m,p-Xylene	136777-61-2	ND	0.500	5.00	5.27	105	72 - 128	5.00	5.03	101	5	30
Methylene chloride	75-09-2	ND	0.500	2.50	2.44	98	66 - 130	2.50	2.44	98	0	30
Naphthalene	91-20-3	ND	0.250	2.50	1.84	74	54 - 132	2.50	2.00	80	8	35
n-Butylbenzene	104-51-8	ND	0.250	2.50	2.23	89	68 - 144	2.50	2.25	90	1	30
n-Propylbenzene	103-65-1	ND	0.250	2.50	2.39	96	73 - 137	2.50	2.38	95	0	30
o-Xylene	95-47-6	ND	0.250	2.50	2.38	95	69 - 133	2.50	2.32	93	3	30
sec-Butylbenzene	135-98-8	ND	0.250	2.50	2.62	105	72 - 141	2.50	2.58	103	2	30
Styrene	100-42-5	ND	0.250	2.50	2.53	101	72 - 128	2.50	2.48	99	2	30
tert-Butyl methyl ether (MTBE)	1634-04-4	ND	0.250	2.50	2.44	98	69 - 126	2.50	2.52	101	3	30
tert-Butylbenzene	98-06-6	ND	0.250	2.50	2.44	98	72 - 136	2.50	2.47	99	1	30
Tetrachloroethene	127-18-4	ND	0.250	2.50	2.65	106	70 - 127	2.50	2.55	102	4	30
Toluene	108-88-3	ND	0.250	2.50	2.46	98	74 - 121	2.50	2.39	96	3	20
trans-1,2-Dichloroethene	156-60-5	ND	0.250	2.50	2.36	94	67 - 134	2.50	2.29	92	3	30
trans-1,3-Dichloropropene	10061-02-6	ND	0.250	2.50	2.87	115	72 - 126	2.50	2.80	112	2	30
trans-1,4-Dichloro-2-butene	110-57-6	ND	0.250	2.50	2.05	82	44 - 146	2.50	2.12	85	3	30
Trichloroethene	79-01-6	ND	0.250	2.50	2.76	110	78 - 127	2.50	2.66	106	4	20
Trichlorofluoromethane	75-69-4	ND	0.250	2.50	2.63	105	64 - 141	2.50	2.53	101	4	30
Trichlorotrifluoroethane	76-13-1	ND	0.250	2.50	2.66	106	66 - 139	2.50	2.53	101	5	30

GC/MS Volatiles QC Summary

Analytical Batch 613176	Client ID	MB613176		LCS613176				LCSD613176				
	GCAL ID	1697376		1697377				1697378				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	06/29/2017 10:43		06/29/2017 08:57				06/29/2017 09:18				
	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
Vinyl chloride	75-01-4	ND	0.250	2.50	2.59	104	67 - 131	2.50	2.56	102	1	30
Xylene (total)	1330-20-7	ND	0.750	7.50	7.65	102	71 - 129	7.50	7.35	98	4	30
Surrogate												
1,2-Dichloroethane-d4	17060-07-0	2.64	106	2.5	2.55	102	62 - 125	2.5	2.52	101	NA	NA
4-Bromofluorobenzene	460-00-4	2.54	102	2.5	2.7	108	62 - 127	2.5	2.77	111	NA	NA
Dibromofluoromethane	1868-53-7	2.72	109	2.5	2.66	106	65 - 130	2.5	2.65	106	NA	NA
Toluene d8	2037-26-5	2.91	116	2.5	2.42	97	71 - 132	2.5	2.4	96	NA	NA

Analytical Batch 613083	Client ID	MB613083		LCS613083				LCSD613083				
	GCAL ID	1696868		1696869				1696870				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	06/28/2017 12:26		06/28/2017 09:58				06/28/2017 10:31				
	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	47.4	95	75 - 124	50.0	49.3	99	4	30
1,1,1-Trichloroethane	71-55-6	ND	5.00	50.0	44.6	89	76 - 126	50.0	45.8	92	3	30
1,1,2,2-Tetrachloroethane	79-34-5	ND	5.00	50.0	40.0	80	70 - 122	50.0	43.2	86	8	30
1,1,2-Trichloroethane	79-00-5	ND	5.00	50.0	46.1	92	72 - 121	50.0	48.4	97	5	30
1,1-Dichloroethane	75-34-3	ND	5.00	50.0	42.9	86	74 - 127	50.0	44.4	89	3	30
1,1-Dichloroethene	75-35-4	ND	5.00	50.0	56.1	112	69 - 129	50.0	56.9	114	1	20
1,1-Dichloropropene	563-58-6	ND	5.00	50.0	42.6	85	72 - 131	50.0	43.0	86	1	30
1,2,3-Trichloropropane	96-18-4	ND	5.00	50.0	40.7	81	70 - 120	50.0	43.7	87	7	30
1,2,4-Trichlorobenzene	120-82-1	ND	5.00	50.0	47.1	94	61 - 135	50.0	46.2	92	2	30
1,2,4-Trimethylbenzene	95-63-6	ND	5.00	50.0	47.9	96	74 - 125	50.0	48.1	96	0	30
1,2-Dibromo-3-chloropropane	96-12-8	ND	5.00	50.0	39.3	79	57 - 121	50.0	43.8	88	11	30
1,2-Dibromoethane	106-93-4	ND	5.00	50.0	49.2	98	70 - 124	50.0	52.3	105	6	30
1,2-Dichlorobenzene	95-50-1	ND	5.00	50.0	47.2	94	71 - 126	50.0	49.2	98	4	30
1,2-Dichloroethane	107-06-2	ND	5.00	50.0	44.4	89	71 - 129	50.0	47.0	94	6	30
1,2-Dichloroethene(Total)	540-59-0	ND	10.0	100	88.1	88	74 - 128	100	91.0	91	3	30
1,2-Dichloropropane	78-87-5	ND	5.00	50.0	40.3	81	72 - 128	50.0	42.4	85	5	30
1,3,5-Trimethylbenzene	108-67-8	ND	5.00	50.0	48.2	96	71 - 132	50.0	48.0	96	0	30
1,3-Dichlorobenzene	541-73-1	ND	5.00	50.0	49.0	98	74 - 126	50.0	49.6	99	1	30
1,3-Dichloropropane	142-28-9	ND	5.00	50.0	43.5	87	74 - 122	50.0	45.3	91	4	30
1,4-Dichlorobenzene	106-46-7	ND	5.00	50.0	49.1	98	72 - 122	50.0	50.1	100	2	30
2,2-Dichloropropane	594-20-7	ND	5.00	50.0	42.3	85	77 - 124	50.0	42.2	84	0	30
2-Butanone	78-93-3	ND	5.00	50.0	38.3	77	58 - 137	50.0	42.7	85	11	30
2-Chlorotoluene	95-49-8	ND	5.00	50.0	42.5	85	72 - 127	50.0	42.8	86	1	30
2-Hexanone	591-78-6	ND	5.00	50.0	36.3	73	50 - 135	50.0	40.5	81	11	30
4-Chlorotoluene	106-43-4	ND	5.00	50.0	43.2	86	75 - 126	50.0	43.6	87	1	30
4-Isopropyltoluene	99-87-6	ND	5.00	50.0	48.2	96	71 - 129	50.0	47.7	95	1	30
4-Methyl-2-pentanone	108-10-1	ND	5.00	50.0	37.0	74	57 - 132	50.0	40.8	82	10	30
Acetone	67-64-1	ND	5.00	50.0	44.2	88	44 - 156	50.0	48.2	96	9	30
Benzene	71-43-2	ND	5.00	50.0	44.6	89	70 - 129	50.0	46.8	94	5	20
Bromobenzene	108-86-1	ND	5.00	50.0	42.2	84	71 - 120	50.0	43.8	88	4	30
Bromochloromethane	74-97-5	ND	5.00	50.0	53.3	107	76 - 130	50.0	54.8	110	3	30
Bromodichloromethane	75-27-4	ND	5.00	50.0	47.1	94	74 - 125	50.0	49.3	99	5	30
Bromoform	75-25-2	ND	5.00	50.0	49.8	100	64 - 122	50.0	52.9	106	6	30
Bromomethane	74-83-9	ND	5.00	50.0	48.3	97	47 - 138	50.0	47.0	94	3	30
Carbon disulfide	75-15-0	ND	5.00	50.0	60.5	121	69 - 136	50.0	60.6	121	0	30
Carbon tetrachloride	56-23-5	ND	5.00	50.0	49.9	100	76 - 128	50.0	51.5	103	3	30
Chlorobenzene	108-90-7	ND	5.00	50.0	48.3	97	74 - 123	50.0	49.6	99	3	20
Chloroethane	75-00-3	ND	5.00	50.0	63.1	126	62 - 141	50.0	60.2	120	5	30
Chloroform	67-66-3	ND	5.00	50.0	45.1	90	75 - 122	50.0	47.8	96	6	30
Chloromethane	74-87-3	ND	5.00	50.0	36.0	72	59 - 132	50.0	36.4	73	1	30
cis-1,2-Dichloroethene	156-59-2	ND	5.00	50.0	42.8	86	73 - 130	50.0	44.4	89	4	30

GC/MS Volatiles QC Summary

Analytical Batch 613083	Client ID	MB613083		LCS613083				LCSD613083				
	GCAL ID	1696868		1696869				1696870				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	06/28/2017 12:26		06/28/2017 09:58				06/28/2017 10:31				
	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
cis-1,3-Dichloropropene	10061-01-5	ND	5.00	50.0	43.8	88	71 - 132	50.0	44.2	88	1	30
Dibromochloromethane	124-48-1	ND	5.00	50.0	47.4	95	71 - 123	50.0	50.0	100	5	30
Dibromomethane	74-95-3	ND	5.00	50.0	49.0	98	72 - 129	50.0	52.0	104	6	30
Dichlorodifluoromethane	75-71-8	ND	5.00	50.0	51.7	103	58 - 140	50.0	51.2	102	1	30
Ethylbenzene	100-41-4	ND	5.00	50.0	47.2	94	74 - 126	50.0	48.0	96	2	30
Hexachlorobutadiene	87-68-3	ND	5.00	50.0	49.2	98	61 - 144	50.0	47.1	94	4	30
Isopropylbenzene (Cumene)	98-82-8	ND	5.00	50.0	49.3	99	71 - 125	50.0	49.0	98	1	30
m,p-Xylene	136777-61-2	ND	10.0	100	97.9	98	74 - 126	100	98.7	99	1	30
Methylene chloride	75-09-2	ND	5.00	50.0	44.7	89	68 - 132	50.0	45.6	91	2	30
Naphthalene	91-20-3	ND	5.00	50.0	40.3	81	57 - 138	50.0	41.0	82	2	35
n-Butylbenzene	104-51-8	ND	5.00	50.0	49.5	99	69 - 134	50.0	47.7	95	4	30
n-Propylbenzene	103-65-1	ND	5.00	50.0	47.5	95	75 - 129	50.0	47.3	95	0	30
o-Xylene	95-47-6	ND	5.00	50.0	45.7	91	73 - 130	50.0	46.6	93	2	30
sec-Butylbenzene	135-98-8	ND	5.00	50.0	45.8	92	70 - 136	50.0	45.2	90	1	30
Styrene	100-42-5	ND	5.00	50.0	54.7	109	71 - 127	50.0	55.9	112	2	30
tert-Butyl methyl ether (MTBE)	1634-04-4	ND	5.00	50.0	38.6	77	71 - 125	50.0	40.6	81	5	30
tert-Butylbenzene	98-06-6	ND	5.00	50.0	42.9	86	72 - 126	50.0	43.0	86	0	30
Tetrachloroethene	127-18-4	ND	5.00	50.0	49.5	99	68 - 128	50.0	49.2	98	1	30
Toluene	108-88-3	ND	5.00	50.0	44.5	89	72 - 120	50.0	46.0	92	3	20
trans-1,2-Dichloroethene	156-60-5	ND	5.00	50.0	45.3	91	69 - 132	50.0	46.5	93	3	30
trans-1,3-Dichloropropene	10061-02-6	ND	5.00	50.0	46.9	94	71 - 131	50.0	48.4	97	3	30
trans-1,4-Dichloro-2-butene	110-57-6	ND	5.00	50.0	48.1	96	56 - 132	50.0	49.1	98	2	30
Trichloroethene	79-01-6	ND	5.00	50.0	47.7	95	76 - 129	50.0	50.9	102	6	20
Trichlorofluoromethane	75-69-4	ND	5.00	50.0	59.9	120	72 - 136	50.0	60.3	121	1	30
Trichlorotrifluoroethane	76-13-1	ND	5.00	50.0	60.6	121	72 - 136	50.0	59.9	120	1	30
Vinyl chloride	75-01-4	ND	2.00	50.0	46.6	93	68 - 132	50.0	47.5	95	2	30
Xylene (total)	1330-20-7	ND	15.0	150	144	96	74 - 127	150	145	97	1	30
Surrogate												
1,2-Dichloroethane-d4	17060-07-0	50.9	102	50	51.3	103	71 - 127	50	51.2	102	NA	NA
4-Bromofluorobenzene	460-00-4	49.5	99	50	53.1	106	78 - 130	50	53	106	NA	NA
Dibromofluoromethane	1868-53-7	53.8	108	50	53.1	106	77 - 127	50	53.8	108	NA	NA
Toluene d8	2037-26-5	52.5	105	50	49.7	99	76 - 134	50	49.4	99	NA	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: 4912 - Clearwater Environmental Resources
SDG: 217062742
PM: SAB3

Report to:
Client: Clearwater Env.
Address: 3870 P'Tree Ind Blvd
Duluth GA 30096
Contact: Jack Wintle
Phone: 678-491-4601
E-mail: jack.wintle@clearwaterenv.net

Bill to:
Client:
Address: Slk 34019
Contact: SAA
Phone:
E-mail:

P.O. Number
Project Name/Number: RAYLOC

Sampled By: Perry Frix

Analytical Requests & Method: VOCs via 8260B

GCAL use only:
Custody Seal used ☑ yes ☐ no
intact ☑ yes ☐ no
Temperature °C 2.3 E29
26 CPM

☐ Dissolved Analysis Requested
☐ Field filtered
☐ Lab filtered

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	No Containers	VOCs via 8260B	Preservative
S	6/21	0834		X	PD-2C 10'	4	X	1
		0846		X	WD-2C 10'	4	X	2
		0917		X	WD-4C 10'	4	X	3
		0856		X	WD-8C 5'	4	X	4
		0904		X	WD-11C 10'	4	X	5
		0924		X	ADD-1C 6'	4	X	6
		0927		X	ADD-1C 10'	4	X	7
		0935		X	ADD-2C 5'	4	X	8
		0938		X	ADD-2C 10'	4	X	9
* W		00:01			TRIP BLANK	2	X	10

Air Bill No: 7794 9105 0562

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:
	6/23/17	1130	Brad Luchini	6/23/17	11:30
Brad Luchini	6/23/17	1230	Fedex		
Fed Ex	6/27/17	1020	Tiffany Sanders	6/27/17	1020

Note: * Trip Blank info. updated. TBS 6/27/17

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

* 2 1 7 0 6 2 7 4 2 *

SAMPLE DELIVERY GROUP 217062742

Client PM SAB3 4912 - Clearwater Environmental Resources	**Transport Method** FED EX
Profile Number 259985	**Received By** Savage, Tiffany R
Line Item(s) 1 - VOC 2 - Soils	**Receive Date(s)** 06/27/17

CHECKLIST	YES	NO
Samples received with proper thermal and chemical preservation?	☑	☐
Radioactivity is <1600 cpm? If no, record cpm value in notes section.	☑	☐
When used, were custody seals intact?	☑	☐
COC relinquished and complete (including sampleIDs, collect dates/times, and sampler)?	☑	☐
All containers received in good condition and within hold time?	☑	☐
All sample labels and containers received match the chain of custody?	☑	☐
Preservation checked at receipt if necessary? Except: VOC, Coliform, TOC, O&G, DOC	☐	☑
Preservative added to any containers?	☐	☑
VOC water containers received with headspace < 6mm?	☑	☐
Samples collected in containers provided by GCAL?	☑	☐

COOLERS

Airbill	Thermometer ID: E29	Temp(°C)
7794 9105 0562		2.3

DISCREPANCIES

None

LAB PRESERVATIONS

None

NOTES

Revision 1.6

Page 1 of 1

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 08/30/2017

GCAL Report 217082520

Project Rayloc

Deliver To	***Additional Recipients***
Jack Wintle Clearwater Env. Resources Peachtree Industrial blvd Duluth, GA 30096 678-491-4601	NONE

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
NO	Indicates the sample did not ignite when preliminary test performed for EPA Method 1030
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
DL	Detection Limit
DL	Diluted analysis – when appended to Client Sample ID
LOD	Limit of Detection
LOQ	Limit of Quantitation
RE	Re-analysis
CF	HPLC or GC Confirmation
00:01	Reported as a time equivalent to 12:00 AM

Reporting Flags that may be Utilized in this Report

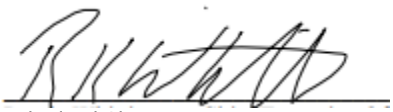
J or I	Indicates the result is between the MDL and LOQ
J	DOD flag on analyte in the parent sample for MS/MSD outside acceptance criteria
U	Indicates the compound was analyzed for but not detected
B or V	Indicates the analyte was detected in the associated Method Blank
Q	Indicates a non-compliant QC Result (See Q Flag Application Report)
*****	Indicates a non-compliant or not applicable QC recovery or RPD – see narrative
E	The result is estimated because it exceeded the instrument calibration range
E	Metals - % diference for the serial dilution is > 10%
P	RPD between primary and confirmation result is greater than 40

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 Institute (TNI) Standard 2009 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 217082520

Certifications

Certification	Certification Number
DOD ELAP	L14-243
Alabama	01955
Arkansas	12-060-0
Colorado	01955
Delaware	01955
Florida	E87854
Georgia	01955
Hawaii	01955
Idaho	01955
Illinois	200048
Indiana	01955
Kansas	E-10354
Kentucky	95
Louisiana	01955
Maryland	01955
Massachusetts	01955
Michigan	01955
Mississippi	01955
Missouri	01955
Montana	N/A
Nebraska	01955
New Mexico	01955
North Carolina	618
North Dakota	R-195
Oklahoma	9403
South Carolina	73006001
South Dakota	01955
Tennessee	01955
Texas	T104704178
Vermont	01955
Virginia	460215
USDA Soil Permit	P330-10-00117

Case Narrative

Client: Clearwater Environmental Resources **Report:** 217082520

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 21708252004 (WD-8 @ 5'), 21708252006 (ADD-1 @ 6'), 21708252007 (ADD-1 @ 10'), 21708252008 (APD-2 @ 5') and 21708252009 (ADD-2 @ 10') had to be diluted due to the presence of non-target background and to bracket the concentration of target analytes within the calibration range of the instrument. The dilutions are reflected in the elevated detection limits.

In the EPA 8260B analysis, samples 21708252001 (PD-2 @ 10'), 21708252002 (WD-2 @ 10'), 21708252003 (WD-4 @ 10'), and 21708252005 (WD-11 @ 10') had to be diluted to bracket the concentration of target analytes within the calibration range of the instrument. The dilutions are reflected in elevated detection limits.

Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21708252001	PD-2 @ 10'	Solid	08/24/2017 09:40	08/25/2017 10:00
21708252002	WD-2 @ 10'	Solid	08/24/2017 10:18	08/25/2017 10:00
21708252003	WD-4 @ 10'	Solid	08/24/2017 09:07	08/25/2017 10:00
21708252004	WD-8 @ 5'	Solid	08/24/2017 10:32	08/25/2017 10:00
21708252005	WD-11 @ 10'	Solid	08/24/2017 10:00	08/25/2017 10:00
21708252006	ADD-1 @ 6'	Solid	08/24/2017 09:19	08/25/2017 10:00
21708252007	ADD-1 @ 10'	Solid	08/24/2017 09:25	08/25/2017 10:00
21708252008	APD-2 @ 5'	Solid	08/24/2017 08:37	08/25/2017 10:00
21708252009	ADD-2 @ 10'	Solid	08/24/2017 08:45	08/25/2017 10:00
21708252010	TRIP BLANK	Water	08/24/2017 00:01	08/25/2017 10:00

Summary of Compounds Detected

PD-2 @ 10'

Collect Date 08/24/2017 09:40 **GCAL ID** 21708252001
Receive Date 08/25/2017 10:00 **Matrix** Solid

EPA 8260B *Results Reported on Dry Weight Basis

CAS#	Parameter	Result	LOQ	Units
127-18-4	Tetrachloroethene	0.427	0.209	mg/kg

WD-2 @ 10'

Collect Date 08/24/2017 10:18 **GCAL ID** 21708252002
Receive Date 08/25/2017 10:00 **Matrix** Solid

EPA 8260B *Results Reported on Dry Weight Basis

CAS#	Parameter	Result	LOQ	Units
127-18-4	Tetrachloroethene	0.551	0.211	mg/kg

WD-4 @ 10'

Collect Date 08/24/2017 09:07 **GCAL ID** 21708252003
Receive Date 08/25/2017 10:00 **Matrix** Solid

EPA 8260B *Results Reported on Dry Weight Basis

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	0.826	0.373	mg/kg
156-59-2	cis-1,2-Dichloroethene	0.789	0.187	mg/kg
127-18-4	Tetrachloroethene	3.04	0.187	mg/kg
79-01-6	Trichloroethene	0.482	0.187	mg/kg

WD-8 @ 5'

Collect Date 08/24/2017 10:32 **GCAL ID** 21708252004
Receive Date 08/25/2017 10:00 **Matrix** Solid

EPA 8260B *Results Reported on Dry Weight Basis

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	2.89	0.455	mg/kg
156-59-2	cis-1,2-Dichloroethene	2.89	0.227	mg/kg
127-18-4	Tetrachloroethene	22.2	1.14	mg/kg
79-01-6	Trichloroethene	0.552	0.227	mg/kg

Summary of Compounds Detected

WD-11 @ 10'

Collect Date 08/24/2017 10:00 **GCAL ID** 21708252005
Receive Date 08/25/2017 10:00 **Matrix** Solid

EPA 8260B *Results Reported on Dry Weight Basis

CAS#	Parameter	Result	LOQ	Units
156-59-2	cis-1,2-Dichloroethene	0.278	0.203	mg/kg
127-18-4	Tetrachloroethene	3.19	0.203	mg/kg

ADD-1 @ 6'

Collect Date 08/24/2017 09:19 **GCAL ID** 21708252006
Receive Date 08/25/2017 10:00 **Matrix** Solid

EPA 8260B *Results Reported on Dry Weight Basis

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	9.94	0.889	mg/kg
156-59-2	cis-1,2-Dichloroethene	9.83	0.444	mg/kg
127-18-4	Tetrachloroethene	56.2	4.44	mg/kg
79-01-6	Trichloroethene	2.60	0.444	mg/kg

ADD-1 @ 10'

Collect Date 08/24/2017 09:25 **GCAL ID** 21708252007
Receive Date 08/25/2017 10:00 **Matrix** Solid

EPA 8260B *Results Reported on Dry Weight Basis

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	2.63	0.371	mg/kg
156-59-2	cis-1,2-Dichloroethene	2.51	0.186	mg/kg
127-18-4	Tetrachloroethene	24.6	1.86	mg/kg
79-01-6	Trichloroethene	4.26	0.186	mg/kg

APD-2 @ 5'

Collect Date 08/24/2017 08:37 **GCAL ID** 21708252008
Receive Date 08/25/2017 10:00 **Matrix** Solid

EPA 8260B *Results Reported on Dry Weight Basis

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	3.32	0.442	mg/kg
156-59-2	cis-1,2-Dichloroethene	3.32	0.221	mg/kg
127-18-4	Tetrachloroethene	31.4	2.21	mg/kg
79-01-6	Trichloroethene	1.79	0.221	mg/kg

Summary of Compounds Detected

ADD-2 @ 10'

Collect Date	08/24/2017 08:45	**GCAL ID**	21708252009
Receive Date	08/25/2017 10:00	**Matrix**	Solid

EPA 8260B *Results Reported on Dry Weight Basis

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	5.25	0.444	mg/kg
156-59-2	cis-1,2-Dichloroethene	5.20	0.222	mg/kg
127-18-4	Tetrachloroethene	11.5	0.444	mg/kg
79-01-6	Trichloroethene	3.55	0.222	mg/kg

TRIP BLANK

Collect Date	08/24/2017 00:01	**GCAL ID**	21708252010
Receive Date	08/25/2017 10:00	**Matrix**	Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
67-64-1	Acetone	13.1	5.00	ug/L

Sample Results

PD-2 @ 10'	**Collect Date**	08/24/2017 09:40	**GCAL ID**	21708252001
	Receive Date	08/25/2017 10:00	**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	08/26/2017 18:24	GDG	616959

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.209	mg/kg
71-55-6	1,1,1-Trichloroethane	ND	0.209	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.209	mg/kg
79-00-5	1,1,2-Trichloroethane	ND	0.209	mg/kg
75-34-3	1,1-Dichloroethane	ND	0.209	mg/kg
75-35-4	1,1-Dichloroethene	ND	0.209	mg/kg
563-58-6	1,1-Dichloropropene	ND	0.209	mg/kg
96-18-4	1,2,3-Trichloropropane	ND	0.209	mg/kg
120-82-1	1,2,4-Trichlorobenzene	ND	0.209	mg/kg
95-63-6	1,2,4-Trimethylbenzene	ND	0.209	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.209	mg/kg
106-93-4	1,2-Dibromoethane	ND	0.209	mg/kg
95-50-1	1,2-Dichlorobenzene	ND	0.209	mg/kg
107-06-2	1,2-Dichloroethane	ND	0.209	mg/kg
540-59-0	1,2-Dichloroethene(Total)	ND	0.417	mg/kg
78-87-5	1,2-Dichloropropane	ND	0.209	mg/kg
108-67-8	1,3,5-Trimethylbenzene	ND	0.209	mg/kg
541-73-1	1,3-Dichlorobenzene	ND	0.209	mg/kg
142-28-9	1,3-Dichloropropane	ND	0.209	mg/kg
106-46-7	1,4-Dichlorobenzene	ND	0.209	mg/kg
594-20-7	2,2-Dichloropropane	ND	0.209	mg/kg
78-93-3	2-Butanone	ND	0.209	mg/kg
95-49-8	2-Chlorotoluene	ND	0.209	mg/kg
591-78-6	2-Hexanone	ND	0.209	mg/kg
106-43-4	4-Chlorotoluene	ND	0.209	mg/kg
99-87-6	4-Isopropyltoluene	ND	0.209	mg/kg
108-10-1	4-Methyl-2-pentanone	ND	0.209	mg/kg
67-64-1	Acetone	ND	1.04	mg/kg
71-43-2	Benzene	ND	0.209	mg/kg
108-86-1	Bromobenzene	ND	0.209	mg/kg
74-97-5	Bromochloromethane	ND	0.209	mg/kg
75-27-4	Bromodichloromethane	ND	0.209	mg/kg
75-25-2	Bromoform	ND	0.209	mg/kg
74-83-9	Bromomethane	ND	0.209	mg/kg
75-15-0	Carbon disulfide	ND	0.209	mg/kg
56-23-5	Carbon tetrachloride	ND	0.209	mg/kg
108-90-7	Chlorobenzene	ND	0.209	mg/kg
75-00-3	Chloroethane	ND	0.209	mg/kg
67-66-3	Chloroform	ND	0.209	mg/kg
74-87-3	Chloromethane	ND	0.209	mg/kg
156-59-2	cis-1,2-Dichloroethene	ND	0.209	mg/kg
10061-01-5	cis-1,3-Dichloropropene	ND	0.209	mg/kg
124-48-1	Dibromochloromethane	ND	0.209	mg/kg
74-95-3	Dibromomethane	ND	0.209	mg/kg
75-71-8	Dichlorodifluoromethane	ND	0.209	mg/kg
100-41-4	Ethylbenzene	ND	0.209	mg/kg
87-68-3	Hexachlorobutadiene	ND	0.209	mg/kg

Sample Results

PD-2 @ 10'

Collect Date	08/24/2017 09:40	**GCAL ID**	21708252001
Receive Date	08/25/2017 10:00	**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	08/26/2017 18:24	GDG	616959

CAS#	Parameter	Result	LOQ	Units
98-82-8	Isopropylbenzene (Cumene)	ND	0.209	mg/kg
136777-61-2	m,p-Xylene	ND	0.417	mg/kg
75-09-2	Methylene chloride	ND	0.417	mg/kg
91-20-3	Naphthalene	ND	0.209	mg/kg
104-51-8	n-Butylbenzene	ND	0.209	mg/kg
103-65-1	n-Propylbenzene	ND	0.209	mg/kg
95-47-6	o-Xylene	ND	0.209	mg/kg
135-98-8	sec-Butylbenzene	ND	0.209	mg/kg
100-42-5	Styrene	ND	0.209	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	0.209	mg/kg
98-06-6	tert-Butylbenzene	ND	0.209	mg/kg
127-18-4	**Tetrachloroethene**	**0.427**	**0.209**	**mg/kg**
108-88-3	Toluene	ND	0.209	mg/kg
156-60-5	trans-1,2-Dichloroethene	ND	0.209	mg/kg
10061-02-6	trans-1,3-Dichloropropene	ND	0.209	mg/kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	0.209	mg/kg
79-01-6	Trichloroethene	ND	0.209	mg/kg
75-69-4	Trichlorofluoromethane	ND	0.209	mg/kg
76-13-1	Trichlorotrifluoroethane	ND	0.209	mg/kg
75-01-4	Vinyl chloride	ND	0.209	mg/kg
1330-20-7	Xylene (total)	ND	0.626	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	1.73	1.84	ug/Kg	106	62 - 127
1868-53-7	Dibromofluoromethane	1.73	1.77	ug/Kg	102	65 - 130
2037-26-5	Toluene d8	1.73	1.8	ug/Kg	104	71 - 132
17060-07-0	1,2-Dichloroethane-d4	1.73	1.78	ug/Kg	103	62 - 125

WD-2 @ 10'

Collect Date	08/24/2017 10:18	**GCAL ID**	21708252002
Receive Date	08/25/2017 10:00	**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	08/26/2017 18:46	GDG	616959

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.211	mg/kg
71-55-6	1,1,1-Trichloroethane	ND	0.211	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.211	mg/kg
79-00-5	1,1,2-Trichloroethane	ND	0.211	mg/kg
75-34-3	1,1-Dichloroethane	ND	0.211	mg/kg

Sample Results

WD-2 @ 10'	**Collect Date**	08/24/2017 10:18	**GCAL ID**	21708252002
	Receive Date	08/25/2017 10:00	**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	08/26/2017 18:46	GDG	616959

CAS#	Parameter	Result	LOQ	Units
75-35-4	1,1-Dichloroethene	ND	0.211	mg/kg
563-58-6	1,1-Dichloropropene	ND	0.211	mg/kg
96-18-4	1,2,3-Trichloropropane	ND	0.211	mg/kg
120-82-1	1,2,4-Trichlorobenzene	ND	0.211	mg/kg
95-63-6	1,2,4-Trimethylbenzene	ND	0.211	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.211	mg/kg
106-93-4	1,2-Dibromoethane	ND	0.211	mg/kg
95-50-1	1,2-Dichlorobenzene	ND	0.211	mg/kg
107-06-2	1,2-Dichloroethane	ND	0.211	mg/kg
540-59-0	1,2-Dichloroethene(Total)	ND	0.423	mg/kg
78-87-5	1,2-Dichloropropane	ND	0.211	mg/kg
108-67-8	1,3,5-Trimethylbenzene	ND	0.211	mg/kg
541-73-1	1,3-Dichlorobenzene	ND	0.211	mg/kg
142-28-9	1,3-Dichloropropane	ND	0.211	mg/kg
106-46-7	1,4-Dichlorobenzene	ND	0.211	mg/kg
594-20-7	2,2-Dichloropropane	ND	0.211	mg/kg
78-93-3	2-Butanone	ND	0.211	mg/kg
95-49-8	2-Chlorotoluene	ND	0.211	mg/kg
591-78-6	2-Hexanone	ND	0.211	mg/kg
106-43-4	4-Chlorotoluene	ND	0.211	mg/kg
99-87-6	4-Isopropyltoluene	ND	0.211	mg/kg
108-10-1	4-Methyl-2-pentanone	ND	0.211	mg/kg
67-64-1	Acetone	ND	1.06	mg/kg
71-43-2	Benzene	ND	0.211	mg/kg
108-86-1	Bromobenzene	ND	0.211	mg/kg
74-97-5	Bromochloromethane	ND	0.211	mg/kg
75-27-4	Bromodichloromethane	ND	0.211	mg/kg
75-25-2	Bromoform	ND	0.211	mg/kg
74-83-9	Bromomethane	ND	0.211	mg/kg
75-15-0	Carbon disulfide	ND	0.211	mg/kg
56-23-5	Carbon tetrachloride	ND	0.211	mg/kg
108-90-7	Chlorobenzene	ND	0.211	mg/kg
75-00-3	Chloroethane	ND	0.211	mg/kg
67-66-3	Chloroform	ND	0.211	mg/kg
74-87-3	Chloromethane	ND	0.211	mg/kg
156-59-2	cis-1,2-Dichloroethene	ND	0.211	mg/kg
10061-01-5	cis-1,3-Dichloropropene	ND	0.211	mg/kg
124-48-1	Dibromochloromethane	ND	0.211	mg/kg
74-95-3	Dibromomethane	ND	0.211	mg/kg
75-71-8	Dichlorodifluoromethane	ND	0.211	mg/kg
100-41-4	Ethylbenzene	ND	0.211	mg/kg
87-68-3	Hexachlorobutadiene	ND	0.211	mg/kg
98-82-8	Isopropylbenzene (Cumene)	ND	0.211	mg/kg
136777-61-2	m,p-Xylene	ND	0.423	mg/kg
75-09-2	Methylene chloride	ND	0.423	mg/kg
91-20-3	Naphthalene	ND	0.211	mg/kg
104-51-8	n-Butylbenzene	ND	0.211	mg/kg

Sample Results

WD-2 @ 10'

Collect Date	08/24/2017 10:18	**GCAL ID**	21708252002
Receive Date	08/25/2017 10:00	**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	08/26/2017 18:46	GDG	616959

CAS#	Parameter	Result	LOQ	Units
103-65-1	n-Propylbenzene	ND	0.211	mg/kg
95-47-6	o-Xylene	ND	0.211	mg/kg
135-98-8	sec-Butylbenzene	ND	0.211	mg/kg
100-42-5	Styrene	ND	0.211	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	0.211	mg/kg
98-06-6	tert-Butylbenzene	ND	0.211	mg/kg
127-18-4	**Tetrachloroethene**	**0.551**	**0.211**	**mg/kg**
108-88-3	Toluene	ND	0.211	mg/kg
156-60-5	trans-1,2-Dichloroethene	ND	0.211	mg/kg
10061-02-6	trans-1,3-Dichloropropene	ND	0.211	mg/kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	0.211	mg/kg
79-01-6	Trichloroethene	ND	0.211	mg/kg
75-69-4	Trichlorofluoromethane	ND	0.211	mg/kg
76-13-1	Trichlorotrifluoroethane	ND	0.211	mg/kg
75-01-4	Vinyl chloride	ND	0.211	mg/kg
1330-20-7	Xylene (total)	ND	0.634	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	1.78	1.9	ug/Kg	107	62 - 127
1868-53-7	Dibromofluoromethane	1.78	1.85	ug/Kg	104	65 - 130
2037-26-5	Toluene d8	1.78	1.89	ug/Kg	106	71 - 132
17060-07-0	1,2-Dichloroethane-d4	1.78	1.85	ug/Kg	104	62 - 125

WD-4 @ 10'

Collect Date	08/24/2017 09:07	**GCAL ID**	21708252003
Receive Date	08/25/2017 10:00	**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	08/26/2017 19:08	GDG	616959

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.187	mg/kg
71-55-6	1,1,1-Trichloroethane	ND	0.187	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.187	mg/kg
79-00-5	1,1,2-Trichloroethane	ND	0.187	mg/kg
75-34-3	1,1-Dichloroethane	ND	0.187	mg/kg
75-35-4	1,1-Dichloroethene	ND	0.187	mg/kg
563-58-6	1,1-Dichloropropene	ND	0.187	mg/kg
96-18-4	1,2,3-Trichloropropane	ND	0.187	mg/kg
120-82-1	1,2,4-Trichlorobenzene	ND	0.187	mg/kg
95-63-6	1,2,4-Trimethylbenzene	ND	0.187	mg/kg

Sample Results

WD-4 @ 10'	**Collect Date**	08/24/2017 09:07	**GCAL ID**	21708252003
	Receive Date	08/25/2017 10:00	**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	08/26/2017 19:08	GDG	616959

CAS#	Parameter	Result	LOQ	Units
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.187	mg/kg
106-93-4	1,2-Dibromoethane	ND	0.187	mg/kg
95-50-1	1,2-Dichlorobenzene	ND	0.187	mg/kg
107-06-2	1,2-Dichloroethane	ND	0.187	mg/kg
540-59-0	**1,2-Dichloroethene(Total)**	**0.826**	**0.373**	**mg/kg**
78-87-5	1,2-Dichloropropane	ND	0.187	mg/kg
108-67-8	1,3,5-Trimethylbenzene	ND	0.187	mg/kg
541-73-1	1,3-Dichlorobenzene	ND	0.187	mg/kg
142-28-9	1,3-Dichloropropane	ND	0.187	mg/kg
106-46-7	1,4-Dichlorobenzene	ND	0.187	mg/kg
594-20-7	2,2-Dichloropropane	ND	0.187	mg/kg
78-93-3	2-Butanone	ND	0.187	mg/kg
95-49-8	2-Chlorotoluene	ND	0.187	mg/kg
591-78-6	2-Hexanone	ND	0.187	mg/kg
106-43-4	4-Chlorotoluene	ND	0.187	mg/kg
99-87-6	4-Isopropyltoluene	ND	0.187	mg/kg
108-10-1	4-Methyl-2-pentanone	ND	0.187	mg/kg
67-64-1	Acetone	ND	0.933	mg/kg
71-43-2	Benzene	ND	0.187	mg/kg
108-86-1	Bromobenzene	ND	0.187	mg/kg
74-97-5	Bromochloromethane	ND	0.187	mg/kg
75-27-4	Bromodichloromethane	ND	0.187	mg/kg
75-25-2	Bromoform	ND	0.187	mg/kg
74-83-9	Bromomethane	ND	0.187	mg/kg
75-15-0	Carbon disulfide	ND	0.187	mg/kg
56-23-5	Carbon tetrachloride	ND	0.187	mg/kg
108-90-7	Chlorobenzene	ND	0.187	mg/kg
75-00-3	Chloroethane	ND	0.187	mg/kg
67-66-3	Chloroform	ND	0.187	mg/kg
74-87-3	Chloromethane	ND	0.187	mg/kg
156-59-2	**cis-1,2-Dichloroethene**	**0.789**	**0.187**	**mg/kg**
10061-01-5	cis-1,3-Dichloropropene	ND	0.187	mg/kg
124-48-1	Dibromochloromethane	ND	0.187	mg/kg
74-95-3	Dibromomethane	ND	0.187	mg/kg
75-71-8	Dichlorodifluoromethane	ND	0.187	mg/kg
100-41-4	Ethylbenzene	ND	0.187	mg/kg
87-68-3	Hexachlorobutadiene	ND	0.187	mg/kg
98-82-8	Isopropylbenzene (Cumene)	ND	0.187	mg/kg
136777-61-2	m,p-Xylene	ND	0.373	mg/kg
75-09-2	Methylene chloride	ND	0.373	mg/kg
91-20-3	Naphthalene	ND	0.187	mg/kg
104-51-8	n-Butylbenzene	ND	0.187	mg/kg
103-65-1	n-Propylbenzene	ND	0.187	mg/kg
95-47-6	o-Xylene	ND	0.187	mg/kg
135-98-8	sec-Butylbenzene	ND	0.187	mg/kg
100-42-5	Styrene	ND	0.187	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	0.187	mg/kg

Sample Results

WD-4 @ 10'

Collect Date	08/24/2017 09:07	**GCAL ID**	21708252003
Receive Date	08/25/2017 10:00	**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	08/26/2017 19:08	GDG	616959

CAS#	Parameter	Result	LOQ	Units
98-06-6	tert-Butylbenzene	ND	0.187	mg/kg
127-18-4	**Tetrachloroethene**	**3.04**	**0.187**	**mg/kg**
108-88-3	Toluene	ND	0.187	mg/kg
156-60-5	trans-1,2-Dichloroethene	ND	0.187	mg/kg
10061-02-6	trans-1,3-Dichloropropene	ND	0.187	mg/kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	0.187	mg/kg
79-01-6	**Trichloroethene**	**0.482**	**0.187**	**mg/kg**
75-69-4	Trichlorofluoromethane	ND	0.187	mg/kg
76-13-1	Trichlorotrifluoroethane	ND	0.187	mg/kg
75-01-4	Vinyl chloride	ND	0.187	mg/kg
1330-20-7	Xylene (total)	ND	0.560	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	1.58	1.68	ug/Kg	107	62 - 127
1868-53-7	Dibromofluoromethane	1.58	1.62	ug/Kg	103	65 - 130
2037-26-5	Toluene d8	1.58	1.67	ug/Kg	106	71 - 132
17060-07-0	1,2-Dichloroethane-d4	1.58	1.65	ug/Kg	105	62 - 125

WD-8 @ 5'

Collect Date	08/24/2017 10:32	**GCAL ID**	21708252004
Receive Date	08/25/2017 10:00	**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	08/26/2017 21:45	GDG	616959

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.227	mg/kg
71-55-6	1,1,1-Trichloroethane	ND	0.227	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.227	mg/kg
79-00-5	1,1,2-Trichloroethane	ND	0.227	mg/kg
75-34-3	1,1-Dichloroethane	ND	0.227	mg/kg
75-35-4	1,1-Dichloroethene	ND	0.227	mg/kg
563-58-6	1,1-Dichloropropene	ND	0.227	mg/kg
96-18-4	1,2,3-Trichloropropane	ND	0.227	mg/kg
120-82-1	1,2,4-Trichlorobenzene	ND	0.227	mg/kg
95-63-6	1,2,4-Trimethylbenzene	ND	0.227	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.227	mg/kg
106-93-4	1,2-Dibromoethane	ND	0.227	mg/kg
95-50-1	1,2-Dichlorobenzene	ND	0.227	mg/kg
107-06-2	1,2-Dichloroethane	ND	0.227	mg/kg
540-59-0	**1,2-Dichloroethene(Total)**	**2.89**	**0.455**	**mg/kg**

Sample Results

WD-8 @ 5'	**Collect Date**	08/24/2017 10:32	**GCAL ID**	21708252004
	Receive Date	08/25/2017 10:00	**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	08/26/2017 21:45	GDG	616959

CAS#	Parameter	Result	LOQ	Units
78-87-5	1,2-Dichloropropane	ND	0.227	mg/kg
108-67-8	1,3,5-Trimethylbenzene	ND	0.227	mg/kg
541-73-1	1,3-Dichlorobenzene	ND	0.227	mg/kg
142-28-9	1,3-Dichloropropane	ND	0.227	mg/kg
106-46-7	1,4-Dichlorobenzene	ND	0.227	mg/kg
594-20-7	2,2-Dichloropropane	ND	0.227	mg/kg
78-93-3	2-Butanone	ND	0.227	mg/kg
95-49-8	2-Chlorotoluene	ND	0.227	mg/kg
591-78-6	2-Hexanone	ND	0.227	mg/kg
106-43-4	4-Chlorotoluene	ND	0.227	mg/kg
99-87-6	4-Isopropyltoluene	ND	0.227	mg/kg
108-10-1	4-Methyl-2-pentanone	ND	0.227	mg/kg
67-64-1	Acetone	ND	1.14	mg/kg
71-43-2	Benzene	ND	0.227	mg/kg
108-86-1	Bromobenzene	ND	0.227	mg/kg
74-97-5	Bromochloromethane	ND	0.227	mg/kg
75-27-4	Bromodichloromethane	ND	0.227	mg/kg
75-25-2	Bromoform	ND	0.227	mg/kg
74-83-9	Bromomethane	ND	0.227	mg/kg
75-15-0	Carbon disulfide	ND	0.227	mg/kg
56-23-5	Carbon tetrachloride	ND	0.227	mg/kg
108-90-7	Chlorobenzene	ND	0.227	mg/kg
75-00-3	Chloroethane	ND	0.227	mg/kg
67-66-3	Chloroform	ND	0.227	mg/kg
74-87-3	Chloromethane	ND	0.227	mg/kg
156-59-2	**cis-1,2-Dichloroethene**	**2.89**	**0.227**	**mg/kg**
10061-01-5	cis-1,3-Dichloropropene	ND	0.227	mg/kg
124-48-1	Dibromochloromethane	ND	0.227	mg/kg
74-95-3	Dibromomethane	ND	0.227	mg/kg
75-71-8	Dichlorodifluoromethane	ND	0.227	mg/kg
100-41-4	Ethylbenzene	ND	0.227	mg/kg
87-68-3	Hexachlorobutadiene	ND	0.227	mg/kg
98-82-8	Isopropylbenzene (Cumene)	ND	0.227	mg/kg
136777-61-2	m,p-Xylene	ND	0.455	mg/kg
75-09-2	Methylene chloride	ND	0.455	mg/kg
91-20-3	Naphthalene	ND	0.227	mg/kg
104-51-8	n-Butylbenzene	ND	0.227	mg/kg
103-65-1	n-Propylbenzene	ND	0.227	mg/kg
95-47-6	o-Xylene	ND	0.227	mg/kg
135-98-8	sec-Butylbenzene	ND	0.227	mg/kg
100-42-5	Styrene	ND	0.227	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	0.227	mg/kg
98-06-6	tert-Butylbenzene	ND	0.227	mg/kg
108-88-3	Toluene	ND	0.227	mg/kg
156-60-5	trans-1,2-Dichloroethene	ND	0.227	mg/kg
10061-02-6	trans-1,3-Dichloropropene	ND	0.227	mg/kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	0.227	mg/kg

Sample Results

WD-8 @ 5'

Collect Date	08/24/2017 10:32	**GCAL ID**	21708252004
Receive Date	08/25/2017 10:00	**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	08/26/2017 21:45	GDG	616959

CAS#	Parameter	Result	LOQ	Units
79-01-6	**Trichloroethene**	**0.552**	**0.227**	**mg/kg**
75-69-4	Trichlorofluoromethane	ND	0.227	mg/kg
76-13-1	Trichlorotrifluoroethane	ND	0.227	mg/kg
75-01-4	Vinyl chloride	ND	0.227	mg/kg
1330-20-7	Xylene (total)	ND	0.682	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	1.79	1.88	ug/Kg	105	62 - 127
1868-53-7	Dibromofluoromethane	1.79	1.88	ug/Kg	105	65 - 130
2037-26-5	Toluene d8	1.79	1.85	ug/Kg	103	71 - 132
17060-07-0	1,2-Dichloroethane-d4	1.79	1.88	ug/Kg	105	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	250	08/26/2017 19:31	GDG	616959

CAS#	Parameter	Result	LOQ	Units
127-18-4	**Tetrachloroethene**	**22.2**	**1.14**	**mg/kg**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	8.96	8.86	ug/Kg	99	62 - 127
1868-53-7	Dibromofluoromethane	8.96	9.14	ug/Kg	102	65 - 130
2037-26-5	Toluene d8	8.96	9.42	ug/Kg	105	71 - 132
17060-07-0	1,2-Dichloroethane-d4	8.96	8.89	ug/Kg	99	62 - 125

WD-11 @ 10'

Collect Date	08/24/2017 10:00	**GCAL ID**	21708252005
Receive Date	08/25/2017 10:00	**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	08/26/2017 19:53	GDG	616959

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.203	mg/kg
71-55-6	1,1,1-Trichloroethane	ND	0.203	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.203	mg/kg

Sample Results

WD-11 @ 10'	**Collect Date**	08/24/2017 10:00	**GCAL ID**	21708252005
	Receive Date	08/25/2017 10:00	**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	08/26/2017 19:53	GDG	616959

CAS#	Parameter	Result	LOQ	Units
79-00-5	1,1,2-Trichloroethane	ND	0.203	mg/kg
75-34-3	1,1-Dichloroethane	ND	0.203	mg/kg
75-35-4	1,1-Dichloroethene	ND	0.203	mg/kg
563-58-6	1,1-Dichloropropene	ND	0.203	mg/kg
96-18-4	1,2,3-Trichloropropane	ND	0.203	mg/kg
120-82-1	1,2,4-Trichlorobenzene	ND	0.203	mg/kg
95-63-6	1,2,4-Trimethylbenzene	ND	0.203	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.203	mg/kg
106-93-4	1,2-Dibromoethane	ND	0.203	mg/kg
95-50-1	1,2-Dichlorobenzene	ND	0.203	mg/kg
107-06-2	1,2-Dichloroethane	ND	0.203	mg/kg
540-59-0	1,2-Dichloroethene(Total)	ND	0.405	mg/kg
78-87-5	1,2-Dichloropropane	ND	0.203	mg/kg
108-67-8	1,3,5-Trimethylbenzene	ND	0.203	mg/kg
541-73-1	1,3-Dichlorobenzene	ND	0.203	mg/kg
142-28-9	1,3-Dichloropropane	ND	0.203	mg/kg
106-46-7	1,4-Dichlorobenzene	ND	0.203	mg/kg
594-20-7	2,2-Dichloropropane	ND	0.203	mg/kg
78-93-3	2-Butanone	ND	0.203	mg/kg
95-49-8	2-Chlorotoluene	ND	0.203	mg/kg
591-78-6	2-Hexanone	ND	0.203	mg/kg
106-43-4	4-Chlorotoluene	ND	0.203	mg/kg
99-87-6	4-Isopropyltoluene	ND	0.203	mg/kg
108-10-1	4-Methyl-2-pentanone	ND	0.203	mg/kg
67-64-1	Acetone	ND	1.01	mg/kg
71-43-2	Benzene	ND	0.203	mg/kg
108-86-1	Bromobenzene	ND	0.203	mg/kg
74-97-5	Bromochloromethane	ND	0.203	mg/kg
75-27-4	Bromodichloromethane	ND	0.203	mg/kg
75-25-2	Bromoform	ND	0.203	mg/kg
74-83-9	Bromomethane	ND	0.203	mg/kg
75-15-0	Carbon disulfide	ND	0.203	mg/kg
56-23-5	Carbon tetrachloride	ND	0.203	mg/kg
108-90-7	Chlorobenzene	ND	0.203	mg/kg
75-00-3	Chloroethane	ND	0.203	mg/kg
67-66-3	Chloroform	ND	0.203	mg/kg
74-87-3	Chloromethane	ND	0.203	mg/kg
156-59-2	**cis-1,2-Dichloroethene**	**0.278**	**0.203**	**mg/kg**
10061-01-5	cis-1,3-Dichloropropene	ND	0.203	mg/kg
124-48-1	Dibromochloromethane	ND	0.203	mg/kg
74-95-3	Dibromomethane	ND	0.203	mg/kg
75-71-8	Dichlorodifluoromethane	ND	0.203	mg/kg
100-41-4	Ethylbenzene	ND	0.203	mg/kg
87-68-3	Hexachlorobutadiene	ND	0.203	mg/kg
98-82-8	Isopropylbenzene (Cumene)	ND	0.203	mg/kg
136777-61-2	m,p-Xylene	ND	0.405	mg/kg
75-09-2	Methylene chloride	ND	0.405	mg/kg

Sample Results

WD-11 @ 10'

Collect Date	08/24/2017 10:00	**GCAL ID**	21708252005
Receive Date	08/25/2017 10:00	**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	08/26/2017 19:53	GDG	616959

CAS#	Parameter	Result	LOQ	Units
91-20-3	Naphthalene	ND	0.203	mg/kg
104-51-8	n-Butylbenzene	ND	0.203	mg/kg
103-65-1	n-Propylbenzene	ND	0.203	mg/kg
95-47-6	o-Xylene	ND	0.203	mg/kg
135-98-8	sec-Butylbenzene	ND	0.203	mg/kg
100-42-5	Styrene	ND	0.203	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	0.203	mg/kg
98-06-6	tert-Butylbenzene	ND	0.203	mg/kg
127-18-4	**Tetrachloroethene**	**3.19**	**0.203**	**mg/kg**
108-88-3	Toluene	ND	0.203	mg/kg
156-60-5	trans-1,2-Dichloroethene	ND	0.203	mg/kg
10061-02-6	trans-1,3-Dichloropropene	ND	0.203	mg/kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	0.203	mg/kg
79-01-6	Trichloroethene	ND	0.203	mg/kg
75-69-4	Trichlorofluoromethane	ND	0.203	mg/kg
76-13-1	Trichlorotrifluoroethane	ND	0.203	mg/kg
75-01-4	Vinyl chloride	ND	0.203	mg/kg
1330-20-7	Xylene (total)	ND	0.608	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	1.72	1.85	ug/Kg	107	62 - 127
1868-53-7	Dibromofluoromethane	1.72	1.78	ug/Kg	103	65 - 130
2037-26-5	Toluene d8	1.72	1.8	ug/Kg	104	71 - 132
17060-07-0	1,2-Dichloroethane-d4	1.72	1.76	ug/Kg	102	62 - 125

ADD-1 @ 6'

Collect Date	08/24/2017 09:19	**GCAL ID**	21708252006
Receive Date	08/25/2017 10:00	**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	100	08/26/2017 22:07	GDG	616959

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.444	mg/kg
71-55-6	1,1,1-Trichloroethane	ND	0.444	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.444	mg/kg
79-00-5	1,1,2-Trichloroethane	ND	0.444	mg/kg
75-34-3	1,1-Dichloroethane	ND	0.444	mg/kg
75-35-4	1,1-Dichloroethene	ND	0.444	mg/kg
563-58-6	1,1-Dichloropropene	ND	0.444	mg/kg
96-18-4	1,2,3-Trichloropropane	ND	0.444	mg/kg

Sample Results

ADD-1 @ 6'	**Collect Date**	08/24/2017 09:19	**GCAL ID**	21708252006
	Receive Date	08/25/2017 10:00	**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	100	08/26/2017 22:07	GDG	616959

CAS#	Parameter	Result	LOQ	Units
120-82-1	1,2,4-Trichlorobenzene	ND	0.444	mg/kg
95-63-6	1,2,4-Trimethylbenzene	ND	0.444	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.444	mg/kg
106-93-4	1,2-Dibromoethane	ND	0.444	mg/kg
95-50-1	1,2-Dichlorobenzene	ND	0.444	mg/kg
107-06-2	1,2-Dichloroethane	ND	0.444	mg/kg
540-59-0	**1,2-Dichloroethene(Total)**	**9.94**	**0.889**	**mg/kg**
78-87-5	1,2-Dichloropropane	ND	0.444	mg/kg
108-67-8	1,3,5-Trimethylbenzene	ND	0.444	mg/kg
541-73-1	1,3-Dichlorobenzene	ND	0.444	mg/kg
142-28-9	1,3-Dichloropropane	ND	0.444	mg/kg
106-46-7	1,4-Dichlorobenzene	ND	0.444	mg/kg
594-20-7	2,2-Dichloropropane	ND	0.444	mg/kg
78-93-3	2-Butanone	ND	0.444	mg/kg
95-49-8	2-Chlorotoluene	ND	0.444	mg/kg
591-78-6	2-Hexanone	ND	0.444	mg/kg
106-43-4	4-Chlorotoluene	ND	0.444	mg/kg
99-87-6	4-Isopropyltoluene	ND	0.444	mg/kg
108-10-1	4-Methyl-2-pentanone	ND	0.444	mg/kg
67-64-1	Acetone	ND	2.22	mg/kg
71-43-2	Benzene	ND	0.444	mg/kg
108-86-1	Bromobenzene	ND	0.444	mg/kg
74-97-5	Bromochloromethane	ND	0.444	mg/kg
75-27-4	Bromodichloromethane	ND	0.444	mg/kg
75-25-2	Bromoform	ND	0.444	mg/kg
74-83-9	Bromomethane	ND	0.444	mg/kg
75-15-0	Carbon disulfide	ND	0.444	mg/kg
56-23-5	Carbon tetrachloride	ND	0.444	mg/kg
108-90-7	Chlorobenzene	ND	0.444	mg/kg
75-00-3	Chloroethane	ND	0.444	mg/kg
67-66-3	Chloroform	ND	0.444	mg/kg
74-87-3	Chloromethane	ND	0.444	mg/kg
156-59-2	**cis-1,2-Dichloroethene**	**9.83**	**0.444**	**mg/kg**
10061-01-5	cis-1,3-Dichloropropene	ND	0.444	mg/kg
124-48-1	Dibromochloromethane	ND	0.444	mg/kg
74-95-3	Dibromomethane	ND	0.444	mg/kg
75-71-8	Dichlorodifluoromethane	ND	0.444	mg/kg
100-41-4	Ethylbenzene	ND	0.444	mg/kg
87-68-3	Hexachlorobutadiene	ND	0.444	mg/kg
98-82-8	Isopropylbenzene (Cumene)	ND	0.444	mg/kg
136777-61-2	m,p-Xylene	ND	0.889	mg/kg
75-09-2	Methylene chloride	ND	0.889	mg/kg
91-20-3	Naphthalene	ND	0.444	mg/kg
104-51-8	n-Butylbenzene	ND	0.444	mg/kg
103-65-1	n-Propylbenzene	ND	0.444	mg/kg
95-47-6	o-Xylene	ND	0.444	mg/kg
135-98-8	sec-Butylbenzene	ND	0.444	mg/kg

Sample Results

ADD-1 @ 6'

Collect Date	08/24/2017 09:19	**GCAL ID**	21708252006
Receive Date	08/25/2017 10:00	**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	100	08/26/2017 22:07	GDG	616959

CAS#	Parameter	Result	LOQ	Units
100-42-5	Styrene	ND	0.444	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	0.444	mg/kg
98-06-6	tert-Butylbenzene	ND	0.444	mg/kg
108-88-3	Toluene	ND	0.444	mg/kg
156-60-5	trans-1,2-Dichloroethene	ND	0.444	mg/kg
10061-02-6	trans-1,3-Dichloropropene	ND	0.444	mg/kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	0.444	mg/kg
79-01-6	**Trichloroethene**	**2.60**	**0.444**	**mg/kg**
75-69-4	Trichlorofluoromethane	ND	0.444	mg/kg
76-13-1	Trichlorotrifluoroethane	ND	0.444	mg/kg
75-01-4	Vinyl chloride	ND	0.444	mg/kg
1330-20-7	Xylene (total)	ND	1.33	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	3.41	3.52	ug/Kg	103	62 - 127
1868-53-7	Dibromofluoromethane	3.41	3.65	ug/Kg	107	65 - 130
2037-26-5	Toluene d8	3.41	3.6	ug/Kg	106	71 - 132
17060-07-0	1,2-Dichloroethane-d4	3.41	3.53	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	1000	08/26/2017 20:15	GDG	616959

CAS#	Parameter	Result	LOQ	Units
127-18-4	**Tetrachloroethene**	**56.2**	**4.44**	**mg/kg**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	34.10	34.9	ug/Kg	102	62 - 127
1868-53-7	Dibromofluoromethane	34.10	34.9	ug/Kg	102	65 - 130
2037-26-5	Toluene d8	34.10	36	ug/Kg	106	71 - 132
17060-07-0	1,2-Dichloroethane-d4	34.10	34.4	ug/Kg	101	62 - 125

Sample Results

ADD-1 @ 10'	**Collect Date**	08/24/2017 09:25	**GCAL ID**	21708252007
	Receive Date	08/25/2017 10:00	**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	08/26/2017 22:29	GDG	616959

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.186	mg/kg
71-55-6	1,1,1-Trichloroethane	ND	0.186	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.186	mg/kg
79-00-5	1,1,2-Trichloroethane	ND	0.186	mg/kg
75-34-3	1,1-Dichloroethane	ND	0.186	mg/kg
75-35-4	1,1-Dichloroethene	ND	0.186	mg/kg
563-58-6	1,1-Dichloropropene	ND	0.186	mg/kg
96-18-4	1,2,3-Trichloropropane	ND	0.186	mg/kg
120-82-1	1,2,4-Trichlorobenzene	ND	0.186	mg/kg
95-63-6	1,2,4-Trimethylbenzene	ND	0.186	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.186	mg/kg
106-93-4	1,2-Dibromoethane	ND	0.186	mg/kg
95-50-1	1,2-Dichlorobenzene	ND	0.186	mg/kg
107-06-2	1,2-Dichloroethane	ND	0.186	mg/kg
540-59-0	**1,2-Dichloroethene(Total)**	**2.63**	**0.371**	**mg/kg**
78-87-5	1,2-Dichloropropane	ND	0.186	mg/kg
108-67-8	1,3,5-Trimethylbenzene	ND	0.186	mg/kg
541-73-1	1,3-Dichlorobenzene	ND	0.186	mg/kg
142-28-9	1,3-Dichloropropane	ND	0.186	mg/kg
106-46-7	1,4-Dichlorobenzene	ND	0.186	mg/kg
594-20-7	2,2-Dichloropropane	ND	0.186	mg/kg
78-93-3	2-Butanone	ND	0.186	mg/kg
95-49-8	2-Chlorotoluene	ND	0.186	mg/kg
591-78-6	2-Hexanone	ND	0.186	mg/kg
106-43-4	4-Chlorotoluene	ND	0.186	mg/kg
99-87-6	4-Isopropyltoluene	ND	0.186	mg/kg
108-10-1	4-Methyl-2-pentanone	ND	0.186	mg/kg
67-64-1	Acetone	ND	0.928	mg/kg
71-43-2	Benzene	ND	0.186	mg/kg
108-86-1	Bromobenzene	ND	0.186	mg/kg
74-97-5	Bromochloromethane	ND	0.186	mg/kg
75-27-4	Bromodichloromethane	ND	0.186	mg/kg
75-25-2	Bromoform	ND	0.186	mg/kg
74-83-9	Bromomethane	ND	0.186	mg/kg
75-15-0	Carbon disulfide	ND	0.186	mg/kg
56-23-5	Carbon tetrachloride	ND	0.186	mg/kg
108-90-7	Chlorobenzene	ND	0.186	mg/kg
75-00-3	Chloroethane	ND	0.186	mg/kg
67-66-3	Chloroform	ND	0.186	mg/kg
74-87-3	Chloromethane	ND	0.186	mg/kg
156-59-2	**cis-1,2-Dichloroethene**	**2.51**	**0.186**	**mg/kg**
10061-01-5	cis-1,3-Dichloropropene	ND	0.186	mg/kg
124-48-1	Dibromochloromethane	ND	0.186	mg/kg
74-95-3	Dibromomethane	ND	0.186	mg/kg
75-71-8	Dichlorodifluoromethane	ND	0.186	mg/kg
100-41-4	Ethylbenzene	ND	0.186	mg/kg
87-68-3	Hexachlorobutadiene	ND	0.186	mg/kg

Sample Results

ADD-1 @ 10'

Collect Date	08/24/2017 09:25	**GCAL ID**	21708252007
Receive Date	08/25/2017 10:00	**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	08/26/2017 22:29	GDG	616959

CAS#	Parameter	Result	LOQ	Units
98-82-8	Isopropylbenzene (Cumene)	ND	0.186	mg/kg
136777-61-2	m,p-Xylene	ND	0.371	mg/kg
75-09-2	Methylene chloride	ND	0.371	mg/kg
91-20-3	Naphthalene	ND	0.186	mg/kg
104-51-8	n-Butylbenzene	ND	0.186	mg/kg
103-65-1	n-Propylbenzene	ND	0.186	mg/kg
95-47-6	o-Xylene	ND	0.186	mg/kg
135-98-8	sec-Butylbenzene	ND	0.186	mg/kg
100-42-5	Styrene	ND	0.186	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	0.186	mg/kg
98-06-6	tert-Butylbenzene	ND	0.186	mg/kg
108-88-3	Toluene	ND	0.186	mg/kg
156-60-5	trans-1,2-Dichloroethene	ND	0.186	mg/kg
10061-02-6	trans-1,3-Dichloropropene	ND	0.186	mg/kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	0.186	mg/kg
79-01-6	**Trichloroethene**	**4.26**	**0.186**	**mg/kg**
75-69-4	Trichlorofluoromethane	ND	0.186	mg/kg
76-13-1	Trichlorotrifluoroethane	ND	0.186	mg/kg
75-01-4	Vinyl chloride	ND	0.186	mg/kg
1330-20-7	Xylene (total)	ND	0.557	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	1.59	1.69	ug/Kg	106	62 - 127
1868-53-7	Dibromofluoromethane	1.59	1.66	ug/Kg	104	65 - 130
2037-26-5	Toluene d8	1.59	1.67	ug/Kg	105	71 - 132
17060-07-0	1,2-Dichloroethane-d4	1.59	1.69	ug/Kg	106	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	500	08/26/2017 20:38	GDG	616959

CAS#	Parameter	Result	LOQ	Units
127-18-4	**Tetrachloroethene**	**24.6**	**1.86**	**mg/kg**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	15.90	16	ug/Kg	101	62 - 127
1868-53-7	Dibromofluoromethane	15.90	16.4	ug/Kg	103	65 - 130
2037-26-5	Toluene d8	15.90	16.6	ug/Kg	104	71 - 132
17060-07-0	1,2-Dichloroethane-d4	15.90	16.3	ug/Kg	103	62 - 125

Sample Results

APD-2 @ 5'	**Collect Date**	08/24/2017 08:37	**GCAL ID**	21708252008
	Receive Date	08/25/2017 10:00	**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	08/26/2017 22:51	GDG	616959

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.221	mg/kg
71-55-6	1,1,1-Trichloroethane	ND	0.221	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.221	mg/kg
79-00-5	1,1,2-Trichloroethane	ND	0.221	mg/kg
75-34-3	1,1-Dichloroethane	ND	0.221	mg/kg
75-35-4	1,1-Dichloroethene	ND	0.221	mg/kg
563-58-6	1,1-Dichloropropene	ND	0.221	mg/kg
96-18-4	1,2,3-Trichloropropane	ND	0.221	mg/kg
120-82-1	1,2,4-Trichlorobenzene	ND	0.221	mg/kg
95-63-6	1,2,4-Trimethylbenzene	ND	0.221	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.221	mg/kg
106-93-4	1,2-Dibromoethane	ND	0.221	mg/kg
95-50-1	1,2-Dichlorobenzene	ND	0.221	mg/kg
107-06-2	1,2-Dichloroethane	ND	0.221	mg/kg
540-59-0	**1,2-Dichloroethene(Total)**	**3.32**	**0.442**	**mg/kg**
78-87-5	1,2-Dichloropropane	ND	0.221	mg/kg
108-67-8	1,3,5-Trimethylbenzene	ND	0.221	mg/kg
541-73-1	1,3-Dichlorobenzene	ND	0.221	mg/kg
142-28-9	1,3-Dichloropropane	ND	0.221	mg/kg
106-46-7	1,4-Dichlorobenzene	ND	0.221	mg/kg
594-20-7	2,2-Dichloropropane	ND	0.221	mg/kg
78-93-3	2-Butanone	ND	0.221	mg/kg
95-49-8	2-Chlorotoluene	ND	0.221	mg/kg
591-78-6	2-Hexanone	ND	0.221	mg/kg
106-43-4	4-Chlorotoluene	ND	0.221	mg/kg
99-87-6	4-Isopropyltoluene	ND	0.221	mg/kg
108-10-1	4-Methyl-2-pentanone	ND	0.221	mg/kg
67-64-1	Acetone	ND	1.11	mg/kg
71-43-2	Benzene	ND	0.221	mg/kg
108-86-1	Bromobenzene	ND	0.221	mg/kg
74-97-5	Bromochloromethane	ND	0.221	mg/kg
75-27-4	Bromodichloromethane	ND	0.221	mg/kg
75-25-2	Bromoform	ND	0.221	mg/kg
74-83-9	Bromomethane	ND	0.221	mg/kg
75-15-0	Carbon disulfide	ND	0.221	mg/kg
56-23-5	Carbon tetrachloride	ND	0.221	mg/kg
108-90-7	Chlorobenzene	ND	0.221	mg/kg
75-00-3	Chloroethane	ND	0.221	mg/kg
67-66-3	Chloroform	ND	0.221	mg/kg
74-87-3	Chloromethane	ND	0.221	mg/kg
156-59-2	**cis-1,2-Dichloroethene**	**3.32**	**0.221**	**mg/kg**
10061-01-5	cis-1,3-Dichloropropene	ND	0.221	mg/kg
124-48-1	Dibromochloromethane	ND	0.221	mg/kg
74-95-3	Dibromomethane	ND	0.221	mg/kg
75-71-8	Dichlorodifluoromethane	ND	0.221	mg/kg
100-41-4	Ethylbenzene	ND	0.221	mg/kg
87-68-3	Hexachlorobutadiene	ND	0.221	mg/kg

Sample Results

APD-2 @ 5'	**Collect Date**	08/24/2017 08:37	**GCAL ID**	21708252008
	Receive Date	08/25/2017 10:00	**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	08/26/2017 22:51	GDG	616959

CAS#	Parameter	Result	LOQ	Units
98-82-8	Isopropylbenzene (Cumene)	ND	0.221	mg/kg
136777-61-2	m,p-Xylene	ND	0.442	mg/kg
75-09-2	Methylene chloride	ND	0.442	mg/kg
91-20-3	Naphthalene	ND	0.221	mg/kg
104-51-8	n-Butylbenzene	ND	0.221	mg/kg
103-65-1	n-Propylbenzene	ND	0.221	mg/kg
95-47-6	o-Xylene	ND	0.221	mg/kg
135-98-8	sec-Butylbenzene	ND	0.221	mg/kg
100-42-5	Styrene	ND	0.221	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	0.221	mg/kg
98-06-6	tert-Butylbenzene	ND	0.221	mg/kg
108-88-3	Toluene	ND	0.221	mg/kg
156-60-5	trans-1,2-Dichloroethene	ND	0.221	mg/kg
10061-02-6	trans-1,3-Dichloropropene	ND	0.221	mg/kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	0.221	mg/kg
79-01-6	**Trichloroethene**	**1.79**	**0.221**	**mg/kg**
75-69-4	Trichlorofluoromethane	ND	0.221	mg/kg
76-13-1	Trichlorotrifluoroethane	ND	0.221	mg/kg
75-01-4	Vinyl chloride	ND	0.221	mg/kg
1330-20-7	Xylene (total)	ND	0.663	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	1.72	1.8	ug/Kg	105	62 - 127
1868-53-7	Dibromofluoromethane	1.72	1.78	ug/Kg	104	65 - 130
2037-26-5	Toluene d8	1.72	1.77	ug/Kg	103	71 - 132
17060-07-0	1,2-Dichloroethane-d4	1.72	1.81	ug/Kg	105	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	500	08/26/2017 21:00	GDG	616959

CAS#	Parameter	Result	LOQ	Units
127-18-4	**Tetrachloroethene**	**31.4**	**2.21**	**mg/kg**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	17.20	17.4	ug/Kg	101	62 - 127
1868-53-7	Dibromofluoromethane	17.20	17.3	ug/Kg	101	65 - 130
2037-26-5	Toluene d8	17.20	18	ug/Kg	105	71 - 132
17060-07-0	1,2-Dichloroethane-d4	17.20	17.2	ug/Kg	100	62 - 125

Sample Results

ADD-2 @ 10'	**Collect Date**	08/24/2017 08:45	**GCAL ID**	21708252009
	Receive Date	08/25/2017 10:00	**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	08/26/2017 23:14	GDG	616959

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.222	mg/kg
71-55-6	1,1,1-Trichloroethane	ND	0.222	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.222	mg/kg
79-00-5	1,1,2-Trichloroethane	ND	0.222	mg/kg
75-34-3	1,1-Dichloroethane	ND	0.222	mg/kg
75-35-4	1,1-Dichloroethene	ND	0.222	mg/kg
563-58-6	1,1-Dichloropropene	ND	0.222	mg/kg
96-18-4	1,2,3-Trichloropropane	ND	0.222	mg/kg
120-82-1	1,2,4-Trichlorobenzene	ND	0.222	mg/kg
95-63-6	1,2,4-Trimethylbenzene	ND	0.222	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.222	mg/kg
106-93-4	1,2-Dibromoethane	ND	0.222	mg/kg
95-50-1	1,2-Dichlorobenzene	ND	0.222	mg/kg
107-06-2	1,2-Dichloroethane	ND	0.222	mg/kg
540-59-0	**1,2-Dichloroethene(Total)**	**5.25**	**0.444**	**mg/kg**
78-87-5	1,2-Dichloropropane	ND	0.222	mg/kg
108-67-8	1,3,5-Trimethylbenzene	ND	0.222	mg/kg
541-73-1	1,3-Dichlorobenzene	ND	0.222	mg/kg
142-28-9	1,3-Dichloropropane	ND	0.222	mg/kg
106-46-7	1,4-Dichlorobenzene	ND	0.222	mg/kg
594-20-7	2,2-Dichloropropane	ND	0.222	mg/kg
78-93-3	2-Butanone	ND	0.222	mg/kg
95-49-8	2-Chlorotoluene	ND	0.222	mg/kg
591-78-6	2-Hexanone	ND	0.222	mg/kg
106-43-4	4-Chlorotoluene	ND	0.222	mg/kg
99-87-6	4-Isopropyltoluene	ND	0.222	mg/kg
108-10-1	4-Methyl-2-pentanone	ND	0.222	mg/kg
67-64-1	Acetone	ND	1.11	mg/kg
71-43-2	Benzene	ND	0.222	mg/kg
108-86-1	Bromobenzene	ND	0.222	mg/kg
74-97-5	Bromochloromethane	ND	0.222	mg/kg
75-27-4	Bromodichloromethane	ND	0.222	mg/kg
75-25-2	Bromoform	ND	0.222	mg/kg
74-83-9	Bromomethane	ND	0.222	mg/kg
75-15-0	Carbon disulfide	ND	0.222	mg/kg
56-23-5	Carbon tetrachloride	ND	0.222	mg/kg
108-90-7	Chlorobenzene	ND	0.222	mg/kg
75-00-3	Chloroethane	ND	0.222	mg/kg
67-66-3	Chloroform	ND	0.222	mg/kg
74-87-3	Chloromethane	ND	0.222	mg/kg
156-59-2	**cis-1,2-Dichloroethene**	**5.20**	**0.222**	**mg/kg**
10061-01-5	cis-1,3-Dichloropropene	ND	0.222	mg/kg
124-48-1	Dibromochloromethane	ND	0.222	mg/kg
74-95-3	Dibromomethane	ND	0.222	mg/kg
75-71-8	Dichlorodifluoromethane	ND	0.222	mg/kg
100-41-4	Ethylbenzene	ND	0.222	mg/kg
87-68-3	Hexachlorobutadiene	ND	0.222	mg/kg

Sample Results

ADD-2 @ 10'	**Collect Date**	08/24/2017 08:45	**GCAL ID**	21708252009
	Receive Date	08/25/2017 10:00	**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	08/26/2017 23:14	GDG	616959

CAS#	Parameter	Result	LOQ	Units
98-82-8	Isopropylbenzene (Cumene)	ND	0.222	mg/kg
136777-61-2	m,p-Xylene	ND	0.444	mg/kg
75-09-2	Methylene chloride	ND	0.444	mg/kg
91-20-3	Naphthalene	ND	0.222	mg/kg
104-51-8	n-Butylbenzene	ND	0.222	mg/kg
103-65-1	n-Propylbenzene	ND	0.222	mg/kg
95-47-6	o-Xylene	ND	0.222	mg/kg
135-98-8	sec-Butylbenzene	ND	0.222	mg/kg
100-42-5	Styrene	ND	0.222	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	0.222	mg/kg
98-06-6	tert-Butylbenzene	ND	0.222	mg/kg
108-88-3	Toluene	ND	0.222	mg/kg
156-60-5	trans-1,2-Dichloroethene	ND	0.222	mg/kg
10061-02-6	trans-1,3-Dichloropropene	ND	0.222	mg/kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	0.222	mg/kg
79-01-6	**Trichloroethene**	**3.55**	**0.222**	**mg/kg**
75-69-4	Trichlorofluoromethane	ND	0.222	mg/kg
76-13-1	Trichlorotrifluoroethane	ND	0.222	mg/kg
75-01-4	Vinyl chloride	ND	0.222	mg/kg
1330-20-7	Xylene (total)	ND	0.666	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	1.92	2.01	ug/Kg	105	62 - 127
1868-53-7	Dibromofluoromethane	1.92	2	ug/Kg	104	65 - 130
2037-26-5	Toluene d8	1.92	2	ug/Kg	104	71 - 132
17060-07-0	1,2-Dichloroethane-d4	1.92	2	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	100	08/26/2017 21:22	GDG	616959

CAS#	Parameter	Result	LOQ	Units
127-18-4	**Tetrachloroethene**	**11.5**	**0.444**	**mg/kg**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	3.83	3.88	ug/Kg	101	62 - 127
1868-53-7	Dibromofluoromethane	3.83	4.03	ug/Kg	105	65 - 130
2037-26-5	Toluene d8	3.83	4.05	ug/Kg	106	71 - 132
17060-07-0	1,2-Dichloroethane-d4	3.83	3.97	ug/Kg	104	62 - 125

Sample Results

TRIP BLANK	**Collect Date**	08/24/2017 00:01	**GCAL ID**	21708252010
	Receive Date	08/25/2017 10:00	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	08/26/2017 13:13	LBH	616953

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**	**13.1**	**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

Sample Results

TRIP BLANK

Collect Date	08/24/2017 00:01	**GCAL ID**	21708252010
Receive Date	08/25/2017 10:00	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	08/26/2017 13:13	LBH	616953

CAS#	Parameter	Result	LOQ	Units
98-82-8	Isopropylbenzene (Cumene)	ND	5.00	ug/L
136777-61-2	m,p-Xylene	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	2.00	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	53.5	ug/L	107	78 - 130
1868-53-7	Dibromofluoromethane	50	52.5	ug/L	105	77 - 127
2037-26-5	Toluene d8	50	54.7	ug/L	109	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	48.6	ug/L	97	71 - 127

GC/MS Volatiles QC Summary

Analytical Batch 616959	Client ID	MB616959		LCS616959				LCSD616959				
	GCAL ID	1715818		1715819				1715820				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	08/26/2017 18:01		08/26/2017 16:32				08/26/2017 16:55				
	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	2.48	99	77 - 122	2.50	2.57	103	4	30
1,1,1-Trichloroethane	71-55-6	ND	0.250	2.50	2.49	100	70 - 130	2.50	2.53	101	2	30
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.250	2.50	2.17	87	66 - 129	2.50	2.26	90	4	30
1,1,2-Trichloroethane	79-00-5	ND	0.250	2.50	2.47	99	74 - 120	2.50	2.56	102	4	30
1,1-Dichloroethane	75-34-3	ND	0.250	2.50	2.24	90	71 - 126	2.50	2.28	91	2	30
1,1-Dichloroethene	75-35-4	ND	0.250	2.50	2.43	97	68 - 129	2.50	2.47	99	2	20
1,1-Dichloropropene	563-58-6	ND	0.250	2.50	2.48	99	70 - 138	2.50	2.49	100	0	30
1,2,3-Trichloropropane	96-18-4	ND	0.250	2.50	2.22	89	63 - 132	2.50	2.35	94	6	30
1,2,4-Trichlorobenzene	120-82-1	ND	0.250	2.50	2.45	98	64 - 135	2.50	2.49	100	2	30
1,2,4-Trimethylbenzene	95-63-6	ND	0.250	2.50	2.67	107	75 - 130	2.50	2.68	107	0	30
1,2-Dibromo-3-chloropropane	96-12-8	ND	0.250	2.50	2.33	93	60 - 123	2.50	2.59	104	11	30
1,2-Dibromoethane	106-93-4	ND	0.250	2.50	2.44	98	74 - 122	2.50	2.55	102	4	30
1,2-Dichlorobenzene	95-50-1	ND	0.250	2.50	2.42	97	76 - 125	2.50	2.46	98	2	30
1,2-Dichloroethane	107-06-2	ND	0.250	2.50	2.39	96	68 - 126	2.50	2.45	98	2	30
1,2-Dichloroethene(Total)	540-59-0	ND	0.500	5.00	4.70	94	72 - 129	5.00	4.79	96	2	30
1,2-Dichloropropane	78-87-5	ND	0.250	2.50	2.23	89	72 - 129	2.50	2.30	92	3	30
1,3,5-Trimethylbenzene	108-67-8	ND	0.250	2.50	2.53	101	74 - 136	2.50	2.53	101	0	30
1,3-Dichlorobenzene	541-73-1	ND	0.250	2.50	2.43	97	77 - 127	2.50	2.43	97	0	30
1,3-Dichloropropane	142-28-9	ND	0.250	2.50	2.30	92	77 - 121	2.50	2.40	96	4	30
1,4-Dichlorobenzene	106-46-7	ND	0.250	2.50	2.51	100	74 - 123	2.50	2.52	101	0	30
2,2-Dichloropropane	594-20-7	ND	0.250	2.50	2.50	100	74 - 129	2.50	2.51	100	0	30
2-Butanone	78-93-3	ND	0.250	2.50	2.08	83	47 - 142	2.50	2.30	92	10	30
2-Chlorotoluene	95-49-8	ND	0.250	2.50	2.35	94	75 - 132	2.50	2.38	95	1	30
2-Hexanone	591-78-6	ND	0.250	2.50	2.26	90	47 - 137	2.50	2.49	100	10	30
4-Chlorotoluene	106-43-4	ND	0.250	2.50	2.34	94	74 - 133	2.50	2.34	94	0	30
4-Isopropyltoluene	99-87-6	ND	0.250	2.50	2.63	105	71 - 136	2.50	2.61	104	1	30
4-Methyl-2-pentanone	108-10-1	ND	0.250	2.50	2.33	93	52 - 136	2.50	2.58	103	10	30
Acetone	67-64-1	ND	1.25	2.50	2.02	81	38 - 152	2.50	2.19	88	8	30
Benzene	71-43-2	ND	0.250	2.50	2.43	97	73 - 128	2.50	2.46	98	1	20
Bromobenzene	108-86-1	ND	0.250	2.50	2.18	87	73 - 124	2.50	2.23	89	2	30
Bromochloromethane	74-97-5	ND	0.250	2.50	2.51	100	73 - 127	2.50	2.52	101	0	30
Bromodichloromethane	75-27-4	ND	0.250	2.50	2.53	101	74 - 126	2.50	2.57	103	2	30
Bromoform	75-25-2	ND	0.250	2.50	2.47	99	67 - 122	2.50	2.60	104	5	30
Bromomethane	74-83-9	ND	0.250	2.50	2.39	96	48 - 139	2.50	2.53	101	6	30
Carbon disulfide	75-15-0	ND	0.250	2.50	2.34	94	68 - 133	2.50	2.38	95	2	30
Carbon tetrachloride	56-23-5	ND	0.250	2.50	2.62	105	71 - 133	2.50	2.66	106	2	30
Chlorobenzene	108-90-7	ND	0.250	2.50	2.44	98	75 - 121	2.50	2.46	98	1	20
Chloroethane	75-00-3	ND	0.250	2.50	2.83	113	57 - 144	2.50	2.87	115	1	30
Chloroform	67-66-3	ND	0.250	2.50	2.36	94	74 - 124	2.50	2.39	96	1	30
Chloromethane	74-87-3	ND	0.250	2.50	1.93	77	61 - 130	2.50	2.07	83	7	30
cis-1,2-Dichloroethene	156-59-2	ND	0.250	2.50	2.32	93	72 - 130	2.50	2.36	94	2	30
cis-1,3-Dichloropropene	10061-01-5	ND	0.250	2.50	2.40	96	72 - 129	2.50	2.46	98	2	30
Dibromochloromethane	124-48-1	ND	0.250	2.50	2.39	96	74 - 122	2.50	2.49	100	4	30
Dibromomethane	74-95-3	ND	0.250	2.50	2.36	94	72 - 125	2.50	2.41	96	2	30
Dichlorodifluoromethane	75-71-8	ND	0.250	2.50	2.29	92	59 - 138	2.50	2.26	90	1	30
Ethylbenzene	100-41-4	ND	0.250	2.50	2.53	101	74 - 130	2.50	2.57	103	2	30
Hexachlorobutadiene	87-68-3	ND	0.250	2.50	2.67	107	71 - 140	2.50	2.58	103	3	30
Isopropylbenzene (Cumene)	98-82-8	ND	0.250	2.50	2.67	107	74 - 125	2.50	2.64	106	1	30
m,p-Xylene	136777-61-2	ND	0.500	5.00	5.29	106	72 - 128	5.00	5.28	106	0	30
Methylene chloride	75-09-2	ND	0.500	2.50	2.37	95	66 - 130	2.50	2.36	94	0	30
Naphthalene	91-20-3	ND	0.250	2.50	2.23	89	54 - 132	2.50	2.38	95	7	35
n-Butylbenzene	104-51-8	ND	0.250	2.50	2.57	103	68 - 144	2.50	2.55	102	1	30
n-Propylbenzene	103-65-1	ND	0.250	2.50	2.37	95	73 - 137	2.50	2.35	94	1	30
o-Xylene	95-47-6	ND	0.250	2.50	2.65	106	69 - 133	2.50	2.66	106	0	30
sec-Butylbenzene	135-98-8	ND	0.250	2.50	2.50	100	72 - 141	2.50	2.48	99	1	30
Styrene	100-42-5	ND	0.250	2.50	2.65	106	72 - 128	2.50	2.68	107	1	30
tert-Butyl methyl ether (MTBE)	1634-04-4	ND	0.250	2.50	2.40	96	69 - 126	2.50	2.53	101	5	30
tert-Butylbenzene	98-06-6	ND	0.250	2.50	2.44	98	72 - 136	2.50	2.45	98	0	30

GC/MS Volatiles QC Summary

Analytical Batch 616959	Client ID	MB616959		LCS616959				LCSD616959				
	GCAL ID	1715818		1715819				1715820				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	08/26/2017 18:01		08/26/2017 16:32				08/26/2017 16:55				
	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
Tetrachloroethene	127-18-4	ND	0.250	2.50	2.60	104	70 - 127	2.50	2.60	104	0	30
Toluene	108-88-3	ND	0.250	2.50	2.40	96	74 - 121	2.50	2.44	98	2	20
trans-1,2-Dichloroethene	156-60-5	ND	0.250	2.50	2.38	95	67 - 134	2.50	2.43	97	2	30
trans-1,3-Dichloropropene	10061-02-6	ND	0.250	2.50	2.61	104	72 - 126	2.50	2.65	106	2	30
trans-1,4-Dichloro-2-butene	110-57-6	ND	0.250	2.50	2.08	83	44 - 146	2.50	2.18	87	5	30
Trichloroethene	79-01-6	ND	0.250	2.50	2.39	96	78 - 127	2.50	2.48	99	4	20
Trichlorofluoromethane	75-69-4	ND	0.250	2.50	2.64	106	64 - 141	2.50	2.66	106	1	30
Trichlorotrifluoroethane	76-13-1	ND	0.250	2.50	2.68	107	66 - 139	2.50	2.64	106	2	30
Vinyl chloride	75-01-4	ND	0.250	2.50	2.11	84	67 - 131	2.50	2.19	88	4	30
Xylene (total)	1330-20-7	ND	0.750	7.50	7.95	106	71 - 129	7.50	7.93	106	0	30
Surrogate												
1,2-Dichloroethane-d4	17060-07-0	2.58	103	2.5	2.48	99	62 - 125	2.5	2.45	98	NA	NA
4-Bromofluorobenzene	460-00-4	2.67	107	2.5	2.65	106	62 - 127	2.5	2.64	106	NA	NA
Dibromofluoromethane	1868-53-7	2.57	103	2.5	2.56	102	65 - 130	2.5	2.55	102	NA	NA
Toluene d8	2037-26-5	2.6	104	2.5	2.47	99	71 - 132	2.5	2.46	98	NA	NA

Analytical Batch 616953	Client ID	MB616953		LCS616953				LCSD616953				
	GCAL ID	1715802		1715803				1715804				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	08/26/2017 10:59		08/26/2017 09:29				08/26/2017 09:51				
	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	50.2	100	75 - 124	50.0	48.7	97	3	30
1,1,1-Trichloroethane	71-55-6	ND	5.00	50.0	52.6	105	76 - 126	50.0	49.2	98	7	30
1,1,2,2-Tetrachloroethane	79-34-5	ND	5.00	50.0	49.6	99	70 - 122	50.0	51.7	103	4	30
1,1,2-Trichloroethane	79-00-5	ND	5.00	50.0	48.8	98	72 - 121	50.0	48.6	97	0	30
1,1-Dichloroethane	75-34-3	ND	5.00	50.0	55.6	111	74 - 127	50.0	52.4	105	6	30
1,1-Dichloroethene	75-35-4	ND	5.00	50.0	50.9	102	69 - 129	50.0	47.6	95	7	20
1,1-Dichloropropene	563-58-6	ND	5.00	50.0	53.4	107	72 - 131	50.0	51.6	103	3	30
1,2,3-Trichloropropane	96-18-4	ND	5.00	50.0	46.8	94	70 - 120	50.0	49.0	98	5	30
1,2,4-Trichlorobenzene	120-82-1	ND	5.00	50.0	43.3	87	61 - 135	50.0	45.7	91	5	30
1,2,4-Trimethylbenzene	95-63-6	ND	5.00	50.0	54.8	110	74 - 125	50.0	53.9	108	2	30
1,2-Dibromo-3-chloropropane	96-12-8	ND	5.00	50.0	52.1	104	57 - 121	50.0	58.3	117	11	30
1,2-Dibromoethane	106-93-4	ND	5.00	50.0	49.4	99	70 - 124	50.0	51.4	103	4	30
1,2-Dichlorobenzene	95-50-1	ND	5.00	50.0	50.1	100	71 - 126	50.0	49.8	100	1	30
1,2-Dichloroethane	107-06-2	ND	5.00	50.0	47.5	95	71 - 129	50.0	46.4	93	2	30
1,2-Dichloroethene(Total)	540-59-0	ND	10.0	100	102	102	74 - 128	100	98.0	98	4	30
1,2-Dichloropropane	78-87-5	ND	5.00	50.0	46.8	94	72 - 128	50.0	47.4	95	1	30
1,3,5-Trimethylbenzene	108-67-8	ND	5.00	50.0	51.5	103	71 - 132	50.0	49.7	99	4	30
1,3-Dichlorobenzene	541-73-1	ND	5.00	50.0	52.0	104	74 - 126	50.0	51.5	103	1	30
1,3-Dichloropropane	142-28-9	ND	5.00	50.0	51.4	103	74 - 122	50.0	50.4	101	2	30
1,4-Dichlorobenzene	106-46-7	ND	5.00	50.0	50.5	101	72 - 122	50.0	50.8	102	1	30
2,2-Dichloropropane	594-20-7	ND	5.00	50.0	50.5	101	77 - 124	50.0	50.7	101	0	30
2-Butanone	78-93-3	ND	5.00	50.0	47.9	96	58 - 137	50.0	51.8	104	8	30
2-Chlorotoluene	95-49-8	ND	5.00	50.0	48.5	97	72 - 127	50.0	47.5	95	2	30
2-Hexanone	591-78-6	ND	5.00	50.0	40.6	81	50 - 135	50.0	44.5	89	9	30
4-Chlorotoluene	106-43-4	ND	5.00	50.0	51.0	102	75 - 126	50.0	50.2	100	2	30
4-Isopropyltoluene	99-87-6	ND	5.00	50.0	54.1	108	71 - 129	50.0	52.8	106	2	30
4-Methyl-2-pentanone	108-10-1	ND	5.00	50.0	45.2	90	57 - 132	50.0	48.3	97	7	30
Acetone	67-64-1	ND	5.00	50.0	50.1	100	44 - 156	50.0	54.6	109	9	30
Benzene	71-43-2	ND	5.00	50.0	49.1	98	70 - 129	50.0	47.4	95	4	20
Bromobenzene	108-86-1	ND	5.00	50.0	48.8	98	71 - 120	50.0	48.0	96	2	30
Bromochloromethane	74-97-5	ND	5.00	50.0	50.2	100	76 - 130	50.0	49.0	98	2	30
Bromodichloromethane	75-27-4	ND	5.00	50.0	50.0	100	74 - 125	50.0	48.6	97	3	30
Bromoform	75-25-2	ND	5.00	50.0	52.8	106	64 - 122	50.0	53.5	107	1	30

GC/MS Volatiles QC Summary

Analytical Batch 616953	Client ID	MB616953	LCS616953	LCSD616953
	GCAL ID	1715802	1715803	1715804
	Sample Type	MB	LCS	LCSD
	Prep Date	NA	NA	NA
	Analysis Date	08/26/2017 10:59	08/26/2017 09:29	08/26/2017 09:51
	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
Bromomethane	74-83-9	ND	5.00	50.0	50.2	100	47 - 138	50.0	51.6	103	3	30
Carbon disulfide	75-15-0	ND	5.00	50.0	51.5	103	69 - 136	50.0	47.4	95	8	30
Carbon tetrachloride	56-23-5	ND	5.00	50.0	54.6	109	76 - 128	50.0	54.2	108	1	30
Chlorobenzene	108-90-7	ND	5.00	50.0	52.1	104	74 - 123	50.0	50.6	101	3	20
Chloroethane	75-00-3	ND	5.00	50.0	50.1	100	62 - 141	50.0	45.4	91	10	30
Chloroform	67-66-3	ND	5.00	50.0	50.4	101	75 - 122	50.0	49.5	99	2	30
Chloromethane	74-87-3	ND	5.00	50.0	47.7	95	59 - 132	50.0	46.2	92	3	30
cis-1,2-Dichloroethene	156-59-2	ND	5.00	50.0	50.0	100	73 - 130	50.0	49.2	98	2	30
cis-1,3-Dichloropropene	10061-01-5	ND	5.00	50.0	45.8	92	71 - 132	50.0	45.4	91	1	30
Dibromochloromethane	124-48-1	ND	5.00	50.0	53.4	107	71 - 123	50.0	52.5	105	2	30
Dibromomethane	74-95-3	ND	5.00	50.0	51.9	104	72 - 129	50.0	51.7	103	0	30
Dichlorodifluoromethane	75-71-8	ND	5.00	50.0	52.9	106	58 - 140	50.0	49.3	99	7	30
Ethylbenzene	100-41-4	ND	5.00	50.0	51.3	103	74 - 126	50.0	49.7	99	3	30
Hexachlorobutadiene	87-68-3	ND	5.00	50.0	49.7	99	61 - 144	50.0	48.8	98	2	30
Isopropylbenzene (Cumene)	98-82-8	ND	5.00	50.0	57.5	115	71 - 125	50.0	55.1	110	4	30
m,p-Xylene	136777-61-2	ND	10.0	100	111	111	74 - 126	100	108	108	3	30
Methylene chloride	75-09-2	ND	5.00	50.0	49.3	99	68 - 132	50.0	45.0	90	9	30
Naphthalene	91-20-3	ND	5.00	50.0	42.7	85	57 - 138	50.0	48.5	97	13	35
n-Butylbenzene	104-51-8	ND	5.00	50.0	53.3	107	69 - 134	50.0	51.1	102	4	30
n-Propylbenzene	103-65-1	ND	5.00	50.0	50.9	102	75 - 129	50.0	49.8	100	2	30
o-Xylene	95-47-6	ND	5.00	50.0	54.0	108	73 - 130	50.0	53.3	107	1	30
sec-Butylbenzene	135-98-8	ND	5.00	50.0	52.5	105	70 - 136	50.0	50.3	101	4	30
Styrene	100-42-5	ND	5.00	50.0	59.8	120	71 - 127	50.0	57.4	115	4	30
tert-Butyl methyl ether (MTBE)	1634-04-4	ND	5.00	50.0	46.9	94	71 - 125	50.0	47.0	94	0	30
tert-Butylbenzene	98-06-6	ND	5.00	50.0	50.9	102	72 - 126	50.0	49.1	98	4	30
Tetrachloroethene	127-18-4	ND	5.00	50.0	55.4	111	68 - 128	50.0	53.2	106	4	30
Toluene	108-88-3	ND	5.00	50.0	50.0	100	72 - 120	50.0	47.9	96	4	20
trans-1,2-Dichloroethene	156-60-5	ND	5.00	50.0	52.5	105	69 - 132	50.0	48.7	97	8	30
trans-1,3-Dichloropropene	10061-02-6	ND	5.00	50.0	47.5	95	71 - 131	50.0	47.5	95	0	30
trans-1,4-Dichloro-2-butene	110-57-6	ND	5.00	50.0	53.1	106	56 - 132	50.0	55.9	112	5	30
Trichloroethene	79-01-6	ND	5.00	50.0	52.4	105	76 - 129	50.0	52.0	104	1	20
Trichlorofluoromethane	75-69-4	ND	5.00	50.0	55.6	111	72 - 136	50.0	51.2	102	8	30
Trichlorotrifluoroethane	76-13-1	ND	5.00	50.0	57.4	115	72 - 136	50.0	51.4	103	11	30
Vinyl chloride	75-01-4	ND	2.00	50.0	49.3	99	68 - 132	50.0	46.5	93	6	30
Xylene (total)	1330-20-7	ND	15.0	150	165	110	74 - 127	150	161	107	2	30
Surrogate												
1,2-Dichloroethane-d4	17060-07-0	48.7	97	50	48.6	97	71 - 127	50	48.3	97	NA	NA
4-Bromofluorobenzene	460-00-4	51.1	102	50	51.4	103	78 - 130	50	53.5	107	NA	NA
Dibromofluoromethane	1868-53-7	51.5	103	50	51.2	102	77 - 127	50	50.9	102	NA	NA
Toluene d8	2037-26-5	53.4	107	50	48.6	97	76 - 134	50	48.7	97	NA	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: 4912 - Clearwater Environmental Resources
SDG: 217082520
PM: SAB3

Report to:
Client: Clearwater Env.
Address: 3870 Pinetree Ind. Blvd
Duluth GA 30096
Contact: Jack Wittle
Phone: 678-491-4601
E-mail: jack.wittle@clearwaterenv.net

Bill to:
Client:
Address: Ste 34019
Contact: SAA
Phone:
E-mail:

P.O. Number
Project Name/Number: RAYLOC
Sampled By: Perry Frix

Analytical Requests & Method: VOCs via 8260B

GCAL use only:
Custody Seal: used ☑ yes ☐ no; intact ☑ yes ☐ no
Temperature °C: .8°C E29
42cpm

☐ Dissolved Analysis Requested
☐ Field filtered
☐ Lab filtered

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	No Containers	VOCs via 8260B	Preservative
S	8/24/17	0940		X	PD-2 @ 10'	4	X	-01
		1018		X	WD-2 @ 10'		X	-02
		0907		X	WD-4 @ 10'		X	-03
		1032		X	WD-8 @ 5'		X	-04
		1000		X	WD-11 @ 10'		X	-05
		0919		X	ADD-1 @ 6'		X	-06
		0925		X	ADD-1 @ 10'		X	-07
		0837		X	ADD-2 @ 5'		X	-08
		0845		X	ADD-2 @ 10'		✓	-09
					TRIP BLANK			-10

Air Bill No: 7701 0447 0619

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

Note:

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
[signature]	8/24/17	1432	[signature]	8/24/17	1490
[signature]	8/24/17	1530	FEDEX		
FEDEX	8/25/17	10:00	[signature]	8/25/17	10:00

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

SAMPLE RECEIVING CHECKLIST

217082520

SAMPLE DELIVERY GROUP 217082520	
Client **PM** SAB3 4912 - Clearwater Environmental Resources	**Transport Method** FED-EX
Profile Number 259985	**Received By** Haydel, Daria L.
Line Item(s) 1 - VOC 2 - Soils	**Receive Date(s)** 08/25/17

CHECKLIST	YES	NO
Samples received with proper thermal preservation?	☑	☐
Radioactivity is <1600 cpm? If no, record cpm value in notes section.	☑	☐
COC relinquished and complete (including sampleIDs, collect times, and sampler)?	☑	☐
All containers received in good condition and within hold time?	☑	☐
All sample labels and containers received match the chain of custody?	☑	☐
Preservative added to any containers?	☐	☑
If received, was headspace for VOC water containers < 6mm?	☑	☐
Samples collected in containers provided by GCAL?	☑	☐

COOLERS

Airbill	Thermometer ID: E29	Temp °C
		0.8

DISCREPANCIES

None

LAB PRESERVATIONS

None

NOTES

Revision 1.6

APPENDIX B
MARCH & JUNE 2017
GROUNDWATER LABORATORY REPORTS

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 07/03/2017

GCAL Report 217062935

Project Rayloc

Deliver To	***Additional Recipients***
Jack Wintle Clearwater Env. Resources Peachtree Industrial blvd Duluth, GA 30096 678-491-4601	NONE

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
NO	Indicates the sample did not ignite when preliminary test performed for EPA Method 1030
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
DL	Detection Limit
DL	Diluted analysis – when appended to Client Sample ID
LOD	Limit of Detection
LOQ	Limit of Quantitation
RE	Re-analysis
CF	HPLC or GC Confirmation
00:01	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
J	DOD flag on analyte in the parent sample for MS/MSD outside acceptance criteria
U	Indicates the compound was analyzed for but not detected
B or V	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 – see narrative
E	The result is estimated because it exceeded the instrument calibration range
E	Metals - % diference for the serial dilution is > 10%
P	RPD between primary and confirmation result is greater than 40

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 Institute (TNI) Standard 2009 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 217062935

Certifications

Certification	Certification Number
DOD ELAP	L14-243
Alabama	01955
Arkansas	12-060-0
Colorado	01955
Delaware	01955
Florida	E87854
Georgia	01955
Hawaii	01955
Idaho	01955
Illinois	200048
Indiana	01955
Kansas	E-10354
Kentucky	95
Louisiana	01955
Maryland	01955
Massachusetts	01955
Michigan	01955
Mississippi	01955
Missouri	01955
Montana	N/A
Nebraska	01955
New Mexico	01955
North Carolina	618
North Dakota	R-195
Oklahoma	9403
South Carolina	73006001
South Dakota	01955
Tennessee	01955
Texas	T104704178
Vermont	01955
Virginia	460215
USDA Soil Permit	P330-10-00117

Case Narrative

Client: Clearwater Environmental Resources **Report:** 217062935

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 21706293504 (MW-17@30'), 21706293506 (MW-20@60'), 21706293508 (MW-22@60'), 21706293509 (MW-23@60'), and 21706293512 (PT-3@60') had to be diluted due to the presence of non-target background. The dilutions are reflected in the elevated detection limits. Additional dilutions were required to bracket the concentration of target analytes within the calibration range of the instrument.

In the EPA 8260B analysis, samples 21706293502 (MW-12@60'), 21706293506 (MW-20@60'), 21706293510 (MW-24@30'), and 21706293511 (MW-26@30') had to be diluted to bracket the concentration of target analytes within the calibration range of the instrument. The dilutions are reflected in elevated detection limits.

Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21706293501	MW-7@30'	Water	06/27/2017 07:45	06/29/2017 10:00
21706293502	MW-12@60'	Water	06/27/2017 08:36	06/29/2017 10:00
21706293503	MW-15@30'	Water	06/27/2017 08:12	06/29/2017 10:00
21706293504	MW-17@30'	Water	06/27/2017 08:00	06/29/2017 10:00
21706293505	MW-19@30'	Water	06/27/2017 08:05	06/29/2017 10:00
21706293506	MW-20@60'	Water	06/27/2017 07:38	06/29/2017 10:00
21706293507	MW-21@60'	Water	06/27/2017 09:26	06/29/2017 10:00
21706293508	MW-22@60'	Water	06/27/2017 09:22	06/29/2017 10:00
21706293509	MW-23@60'	Water	06/27/2017 09:16	06/29/2017 10:00
21706293510	MW-24@30'	Water	06/27/2017 08:45	06/29/2017 10:00
21706293511	MW-26@30'	Water	06/27/2017 08:20	06/29/2017 10:00
21706293512	PT-3@60'	Water	06/27/2017 07:32	06/29/2017 10:00
21706293513	TRIP BLANK	Water	06/27/2017 00:01	06/29/2017 10:00

Summary of Compounds Detected

MW-7@30'

Collect Date: 06/27/2017 07:45 | GCAL ID: 21706293501
Receive Date: 06/29/2017 10:00 | Matrix: Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
67-64-1	Acetone	11.7	5.00	ug/L

MW-12@60'

Collect Date: 06/27/2017 08:36 | GCAL ID: 21706293502
Receive Date: 06/29/2017 10:00 | Matrix: Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	39.0	10.0	ug/L
67-64-1	Acetone	7.50	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	39.0	5.00	ug/L
127-18-4	Tetrachloroethene	431	50.0	ug/L
79-01-6	Trichloroethene	16.8	5.00	ug/L

MW-15@30'

Collect Date: 06/27/2017 08:12 | GCAL ID: 21706293503
Receive Date: 06/29/2017 10:00 | Matrix: Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
67-64-1	Acetone	11.4	5.00	ug/L

MW-17@30'

Collect Date: 06/27/2017 08:00 | GCAL ID: 21706293504
Receive Date: 06/29/2017 10:00 | Matrix: Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	392	50.0	ug/L
156-59-2	cis-1,2-Dichloroethene	390	25.0	ug/L
127-18-4	Tetrachloroethene	1320E	25.0	ug/L
79-01-6	Trichloroethene	225	25.0	ug/L

Summary of Compounds Detected

MW-19@30'

Collect Date 06/27/2017 08:05 **GCAL ID** 21706293505
Receive Date 06/29/2017 10:00 **Matrix** Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	24.2	10.0	ug/L
67-64-1	Acetone	11.7	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	24.2	5.00	ug/L
75-01-4	Vinyl chloride	4.88	2.00	ug/L

MW-20@60'

Collect Date 06/27/2017 07:38 **GCAL ID** 21706293506
Receive Date 06/29/2017 10:00 **Matrix** Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	225	50.0	ug/L
156-59-2	cis-1,2-Dichloroethene	222	25.0	ug/L
127-18-4	Tetrachloroethene	2340E	25.0	ug/L
79-01-6	Trichloroethene	159	25.0	ug/L

MW-21@60'

Collect Date 06/27/2017 09:26 **GCAL ID** 21706293507
Receive Date 06/29/2017 10:00 **Matrix** Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
67-64-1	Acetone	14.2	5.00	ug/L
127-18-4	Tetrachloroethene	66.2	5.00	ug/L

MW-22@60'

Collect Date 06/27/2017 09:22 **GCAL ID** 21706293508
Receive Date 06/29/2017 10:00 **Matrix** Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	182	50.0	ug/L
156-59-2	cis-1,2-Dichloroethene	182	25.0	ug/L
127-18-4	Tetrachloroethene	2050E	25.0	ug/L
79-01-6	Trichloroethene	104	25.0	ug/L

Summary of Compounds Detected

MW-23@60'

Collect Date 06/27/2017 09:16 **GCAL ID** 21706293509
Receive Date 06/29/2017 10:00 **Matrix** Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	5960	1000	ug/L
156-59-2	cis-1,2-Dichloroethene	5960	500	ug/L
127-18-4	Tetrachloroethene	3580	500	ug/L
79-01-6	Trichloroethene	1090	50.0	ug/L

MW-24@30'

Collect Date 06/27/2017 08:45 **GCAL ID** 21706293510
Receive Date 06/29/2017 10:00 **Matrix** Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	527	100	ug/L
67-64-1	Acetone	6.84	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	527	50.0	ug/L
127-18-4	Tetrachloroethene	339	50.0	ug/L
79-01-6	Trichloroethene	155	5.00	ug/L

MW-26@30'

Collect Date 06/27/2017 08:20 **GCAL ID** 21706293511
Receive Date 06/29/2017 10:00 **Matrix** Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	272	50.0	ug/L
67-64-1	Acetone	8.44	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	272	25.0	ug/L
127-18-4	Tetrachloroethene	187	5.00	ug/L
79-01-6	Trichloroethene	56.6	5.00	ug/L

PT-3@60'

Collect Date 06/27/2017 07:32 **GCAL ID** 21706293512
Receive Date 06/29/2017 10:00 **Matrix** Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
156-59-2	cis-1,2-Dichloroethene	312	250	ug/L
127-18-4	Tetrachloroethene	17900E	250	ug/L

Summary of Compounds Detected

PT-3@60'				
	Collect Date	06/27/2017 07:32	GCAL ID	21706293512
	Receive Date	06/29/2017 10:00	Matrix	Water

EPA 8260B (Continued)

CAS#	Parameter	Result	LOQ	Units
79-01-6	Trichloroethene	836	250	ug/L

TRIP BLANK				
	Collect Date	06/27/2017 00:01	GCAL ID	21706293513
	Receive Date	06/29/2017 10:00	Matrix	Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
67-64-1	Acetone	9.24	5.00	ug/L

Sample Results

MW-7@30'	**Collect Date**	06/27/2017 07:45	**GCAL ID**	21706293501
	Receive Date	06/29/2017 10:00	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	06/30/2017 12:39	GDG	613260

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**	**11.7**	**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

Sample Results

MW-7@30'

Collect Date	06/27/2017 07:45	**GCAL ID**	21706293501
Receive Date	06/29/2017 10:00	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	06/30/2017 12:39	GDG	613260

CAS#	Parameter	Result	LOQ	Units
98-82-8	Isopropylbenzene (Cumene)	ND	5.00	ug/L
136777-61-2	m,p-Xylene	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	2.00	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	48.1	ug/L	96	78 - 130
1868-53-7	Dibromofluoromethane	50	56.9	ug/L	114	77 - 127
2037-26-5	Toluene d8	50	53.7	ug/L	107	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	54.4	ug/L	109	71 - 127

MW-12@60'

Collect Date	06/27/2017 08:36	**GCAL ID**	21706293502
Receive Date	06/29/2017 10:00	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	06/30/2017 18:25	GDG	613260

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

Sample Results

MW-12@60'	**Collect Date**	06/27/2017 08:36	**GCAL ID**	21706293502
	Receive Date	06/29/2017 10:00	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	06/30/2017 18:25	GDG	613260

CAS#	Parameter	Result	LOQ	Units
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)**	**39.0**	**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**	**7.50**	**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**	**39.0**	**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
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@60'	**Collect Date**	06/27/2017 08:36	**GCAL ID**	21706293502
	Receive Date	06/29/2017 10:00	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	06/30/2017 18:25	GDG	613260

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**	**16.8**	**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	2.00	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	47.6	ug/L	95	78 - 130
1868-53-7	Dibromofluoromethane	50	57.6	ug/L	115	77 - 127
2037-26-5	Toluene d8	50	51	ug/L	102	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	53.9	ug/L	108	71 - 127

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	10	06/30/2017 17:40	GDG	613260

CAS#	Parameter	Result	LOQ	Units
127-18-4	**Tetrachloroethene**	**431**	**50.0**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	500	461	ug/L	92	78 - 130
1868-53-7	Dibromofluoromethane	500	556	ug/L	111	77 - 127
2037-26-5	Toluene d8	500	527	ug/L	105	76 - 134
17060-07-0	1,2-Dichloroethane-d4	500	540	ug/L	108	71 - 127

Sample Results

MW-15@30'	**Collect Date**	06/27/2017 08:12	**GCAL ID**	21706293503
	Receive Date	06/29/2017 10:00	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	06/30/2017 13:00	GDG	613260

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**	**11.4**	**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

Sample Results

MW-15@30'

Collect Date	06/27/2017 08:12	**GCAL ID**	21706293503
Receive Date	06/29/2017 10:00	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	06/30/2017 13:00	GDG	613260

CAS#	Parameter	Result	LOQ	Units
98-82-8	Isopropylbenzene (Cumene)	ND	5.00	ug/L
136777-61-2	m,p-Xylene	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	2.00	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	48.8	ug/L	98	78 - 130
1868-53-7	Dibromofluoromethane	50	59.6	ug/L	119	77 - 127
2037-26-5	Toluene d8	50	53.8	ug/L	108	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	56.1	ug/L	112	71 - 127

MW-17@30'

Collect Date	06/27/2017 08:00	**GCAL ID**	21706293504
Receive Date	06/29/2017 10:00	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	5	06/30/2017 15:50	GDG	613260

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

Sample Results

MW-17@30'	**Collect Date**	06/27/2017 08:00	**GCAL ID**	21706293504
	Receive Date	06/29/2017 10:00	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	5	06/30/2017 15:50	GDG	613260

CAS#	Parameter	Result	LOQ	Units
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)**	**392**	**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**	**390**	**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
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-17@30'	**Collect Date**	06/27/2017 08:00	**GCAL ID**	21706293504
	Receive Date	06/29/2017 10:00	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	5	06/30/2017 15:50	GDG	613260

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**	**225**	**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	10.0	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	236	ug/L	94	78 - 130
1868-53-7	Dibromofluoromethane	250	284	ug/L	114	77 - 127
2037-26-5	Toluene d8	250	262	ug/L	105	76 - 134
17060-07-0	1,2-Dichloroethane-d4	250	273	ug/L	109	71 - 127

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	5	06/30/2017 15:50	GDG	613260

CAS#	Parameter	Result	LOQ	Units
127-18-4	**Tetrachloroethene**	**1320E**	**25.0**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	250	236	ug/L	94	78 - 130
1868-53-7	Dibromofluoromethane	250	284	ug/L	114	77 - 127
2037-26-5	Toluene d8	250	262	ug/L	105	76 - 134
17060-07-0	1,2-Dichloroethane-d4	250	273	ug/L	109	71 - 127

Sample Results

MW-19@30'	**Collect Date**	06/27/2017 08:05	**GCAL ID**	21706293505
	Receive Date	06/29/2017 10:00	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	06/30/2017 13:21	GDG	613260

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)**	**24.2**	**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**	**11.7**	**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**	**24.2**	**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

Sample Results

MW-19@30'

Collect Date	06/27/2017 08:05	**GCAL ID**	21706293505
Receive Date	06/29/2017 10:00	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	06/30/2017 13:21	GDG	613260

CAS#	Parameter	Result	LOQ	Units
98-82-8	Isopropylbenzene (Cumene)	ND	5.00	ug/L
136777-61-2	m,p-Xylene	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**	**4.88**	**2.00**	**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	47.9	ug/L	96	78 - 130
1868-53-7	Dibromofluoromethane	50	56.7	ug/L	113	77 - 127
2037-26-5	Toluene d8	50	52.7	ug/L	105	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	54.7	ug/L	109	71 - 127

MW-20@60'

Collect Date	06/27/2017 07:38	**GCAL ID**	21706293506
Receive Date	06/29/2017 10:00	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	5	06/30/2017 16:12	GDG	613260

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

Sample Results

MW-20@60'	**Collect Date**	06/27/2017 07:38	**GCAL ID**	21706293506
	Receive Date	06/29/2017 10:00	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	5	06/30/2017 16:12	GDG	613260

CAS#	Parameter	Result	LOQ	Units
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)**	**225**	**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**	**222**	**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
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@60'	**Collect Date**	06/27/2017 07:38	**GCAL ID**	21706293506
	Receive Date	06/29/2017 10:00	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	5	06/30/2017 16:12	GDG	613260

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**	**159**	**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	10.0	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	229	ug/L	92	78 - 130
1868-53-7	Dibromofluoromethane	250	297	ug/L	119	77 - 127
2037-26-5	Toluene d8	250	249	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	250	281	ug/L	112	71 - 127

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	5	06/30/2017 16:12	GDG	613260

CAS#	Parameter	Result	LOQ	Units
127-18-4	**Tetrachloroethene**	**2340E**	**25.0**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	250	229	ug/L	92	78 - 130
1868-53-7	Dibromofluoromethane	250	297	ug/L	119	77 - 127
2037-26-5	Toluene d8	250	249	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	250	281	ug/L	112	71 - 127

Sample Results

MW-21@60'	**Collect Date**	06/27/2017 09:26	**GCAL ID**	21706293507
	Receive Date	06/29/2017 10:00	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	06/30/2017 18:46	GDG	613260

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**	**14.2**	**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

Sample Results

MW-21@60'

Collect Date	06/27/2017 09:26	**GCAL ID**	21706293507
Receive Date	06/29/2017 10:00	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	06/30/2017 18:46	GDG	613260

CAS#	Parameter	Result	LOQ	Units
98-82-8	Isopropylbenzene (Cumene)	ND	5.00	ug/L
136777-61-2	m,p-Xylene	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**	**66.2**	**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	2.00	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	47.1	ug/L	94	78 - 130
1868-53-7	Dibromofluoromethane	50	56.9	ug/L	114	77 - 127
2037-26-5	Toluene d8	50	51.7	ug/L	103	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	55.5	ug/L	111	71 - 127

MW-22@60'

Collect Date	06/27/2017 09:22	**GCAL ID**	21706293508
Receive Date	06/29/2017 10:00	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	5	06/30/2017 16:33	GDG	613260

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

Sample Results

MW-22@60'	**Collect Date**	06/27/2017 09:22	**GCAL ID**	21706293508
	Receive Date	06/29/2017 10:00	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	5	06/30/2017 16:33	GDG	613260

CAS#	Parameter	Result	LOQ	Units
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)**	**182**	**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**	**182**	**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
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-22@60'	**Collect Date**	06/27/2017 09:22	**GCAL ID**	21706293508
	Receive Date	06/29/2017 10:00	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	5	06/30/2017 16:33	GDG	613260

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**	**104**	**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	10.0	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	229	ug/L	92	78 - 130
1868-53-7	Dibromofluoromethane	250	283	ug/L	113	77 - 127
2037-26-5	Toluene d8	250	254	ug/L	102	76 - 134
17060-07-0	1,2-Dichloroethane-d4	250	278	ug/L	111	71 - 127

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	5	06/30/2017 16:33	GDG	613260

CAS#	Parameter	Result	LOQ	Units
127-18-4	**Tetrachloroethene**	**2050E**	**25.0**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	250	229	ug/L	92	78 - 130
1868-53-7	Dibromofluoromethane	250	283	ug/L	113	77 - 127
2037-26-5	Toluene d8	250	254	ug/L	102	76 - 134
17060-07-0	1,2-Dichloroethane-d4	250	278	ug/L	111	71 - 127

Sample Results

MW-23@60'	**Collect Date**	06/27/2017 09:16	**GCAL ID**	21706293509
	Receive Date	06/29/2017 10:00	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	10	06/30/2017 11:56	GDG	613260

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

Sample Results

MW-23@60'	**Collect Date**	06/27/2017 09:16	**GCAL ID**	21706293509
	Receive Date	06/29/2017 10:00	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	10	06/30/2017 11:56	GDG	613260

CAS#	Parameter	Result	LOQ	Units
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
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**	**1090**	**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	20.0	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	467	ug/L	93	78 - 130
1868-53-7	Dibromofluoromethane	500	560	ug/L	112	77 - 127
2037-26-5	Toluene d8	500	527	ug/L	105	76 - 134
17060-07-0	1,2-Dichloroethane-d4	500	545	ug/L	109	71 - 127

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	100	06/30/2017 11:35	GDG	613260

CAS#	Parameter	Result	LOQ	Units
540-59-0	**1,2-Dichloroethene(Total)**	**5960**	**1000**	**ug/L**
156-59-2	**cis-1,2-Dichloroethene**	**5960**	**500**	**ug/L**
127-18-4	**Tetrachloroethene**	**3580**	**500**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	5000	4700	ug/L	94	78 - 130
1868-53-7	Dibromofluoromethane	5000	5700	ug/L	114	77 - 127
2037-26-5	Toluene d8	5000	5240	ug/L	105	76 - 134
17060-07-0	1,2-Dichloroethane-d4	5000	5390	ug/L	108	71 - 127

Sample Results

MW-24@30'	**Collect Date**	06/27/2017 08:45	**GCAL ID**	21706293510
	Receive Date	06/29/2017 10:00	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	06/30/2017 20:16	GDG	613260

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
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**	**6.84**	**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

Sample Results

MW-24@30'	**Collect Date**	06/27/2017 08:45	**GCAL ID**	21706293510
	Receive Date	06/29/2017 10:00	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	06/30/2017 20:16	GDG	613260

CAS#	Parameter	Result	LOQ	Units
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
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**	**155**	**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	2.00	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	47.8	ug/L	96	78 - 130
1868-53-7	Dibromofluoromethane	50	58.6	ug/L	117	77 - 127
2037-26-5	Toluene d8	50	55.1	ug/L	110	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	54.5	ug/L	109	71 - 127

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	10	06/30/2017 19:31	GDG	613260

CAS#	Parameter	Result	LOQ	Units
540-59-0	**1,2-Dichloroethene(Total)**	**527**	**100**	**ug/L**
156-59-2	**cis-1,2-Dichloroethene**	**527**	**50.0**	**ug/L**
127-18-4	**Tetrachloroethene**	**339**	**50.0**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	500	461	ug/L	92	78 - 130
1868-53-7	Dibromofluoromethane	500	572	ug/L	114	77 - 127
2037-26-5	Toluene d8	500	535	ug/L	107	76 - 134
17060-07-0	1,2-Dichloroethane-d4	500	564	ug/L	113	71 - 127

Sample Results

MW-26@30'	**Collect Date**	06/27/2017 08:20	**GCAL ID**	21706293511
	Receive Date	06/29/2017 10:00	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	06/30/2017 20:38	GDG	613260

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
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**	**8.44**	**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

Sample Results

MW-26@30'	**Collect Date**	06/27/2017 08:20	**GCAL ID**	21706293511
	Receive Date	06/29/2017 10:00	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	06/30/2017 20:38	GDG	613260

CAS#	Parameter	Result	LOQ	Units
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**	**187**	**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**	**56.6**	**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	2.00	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	48.3	ug/L	97	78 - 130
1868-53-7	Dibromofluoromethane	50	56.7	ug/L	113	77 - 127
2037-26-5	Toluene d8	50	53.3	ug/L	107	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	54.6	ug/L	109	71 - 127

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	5	06/30/2017 19:55	GDG	613260

CAS#	Parameter	Result	LOQ	Units
540-59-0	**1,2-Dichloroethene(Total)**	**272**	**50.0**	**ug/L**
156-59-2	**cis-1,2-Dichloroethene**	**272**	**25.0**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	250	238	ug/L	95	78 - 130
1868-53-7	Dibromofluoromethane	250	286	ug/L	114	77 - 127
2037-26-5	Toluene d8	250	270	ug/L	108	76 - 134
17060-07-0	1,2-Dichloroethane-d4	250	284	ug/L	114	71 - 127

Sample Results

PT-3@60'	**Collect Date**	06/27/2017 07:32	**GCAL ID**	21706293512
	Receive Date	06/29/2017 10:00	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	50	06/30/2017 16:54	GDG	613260

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	500	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	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**	**312**	**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

Sample Results

PT-3@60'	**Collect Date**	06/27/2017 07:32	**GCAL ID**	21706293512
	Receive Date	06/29/2017 10:00	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	50	06/30/2017 16:54	GDG	613260

CAS#	Parameter	Result	LOQ	Units
98-82-8	Isopropylbenzene (Cumene)	ND	250	ug/L
136777-61-2	m,p-Xylene	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
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**	**836**	**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	100	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	2280	ug/L	91	78 - 130
1868-53-7	Dibromofluoromethane	2500	2830	ug/L	113	77 - 127
2037-26-5	Toluene d8	2500	2570	ug/L	103	76 - 134
17060-07-0	1,2-Dichloroethane-d4	2500	2820	ug/L	113	71 - 127

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	50	06/30/2017 16:54	GDG	613260

CAS#	Parameter	Result	LOQ	Units
127-18-4	**Tetrachloroethene**	**17900E**	**250**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2500	2280	ug/L	91	78 - 130
1868-53-7	Dibromofluoromethane	2500	2830	ug/L	113	77 - 127
2037-26-5	Toluene d8	2500	2570	ug/L	103	76 - 134
17060-07-0	1,2-Dichloroethane-d4	2500	2820	ug/L	113	71 - 127

Sample Results

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Collect Date	06/27/2017 00:01	**GCAL ID**	21706293513
Receive Date	06/29/2017 10:00	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	06/30/2017 13:43	GDG	613260

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**	**9.24**	**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

Sample Results

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Collect Date	06/27/2017 00:01	**GCAL ID**	21706293513
Receive Date	06/29/2017 10:00	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	06/30/2017 13:43	GDG	613260

CAS#	Parameter	Result	LOQ	Units
98-82-8	Isopropylbenzene (Cumene)	ND	5.00	ug/L
136777-61-2	m,p-Xylene	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	2.00	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	47.7	ug/L	95	78 - 130
1868-53-7	Dibromofluoromethane	50	55.5	ug/L	111	77 - 127
2037-26-5	Toluene d8	50	53.3	ug/L	107	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	53.9	ug/L	108	71 - 127

GC/MS Volatiles QC Summary

Analytical Batch 613260	Client ID	MB613260		LCS613260				LCSD613260				
	GCAL ID	1697824		1697825				1697826				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	06/30/2017 11:14		06/30/2017 09:49				06/30/2017 10:10				
	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	48.4	97	75 - 124	50.0	49.3	99	2	30
1,1,1-Trichloroethane	71-55-6	ND	5.00	50.0	51.8	104	76 - 126	50.0	51.2	102	1	30
1,1,2,2-Tetrachloroethane	79-34-5	ND	5.00	50.0	46.3	93	70 - 122	50.0	49.3	99	6	30
1,1,2-Trichloroethane	79-00-5	ND	5.00	50.0	45.4	91	72 - 121	50.0	47.7	95	5	30
1,1-Dichloroethane	75-34-3	ND	5.00	50.0	51.6	103	74 - 127	50.0	50.5	101	2	30
1,1-Dichloroethene	75-35-4	ND	5.00	50.0	55.5	111	69 - 129	50.0	56.8	114	2	20
1,1-Dichloropropene	563-58-6	ND	5.00	50.0	51.7	103	72 - 131	50.0	52.0	104	1	30
1,2,3-Trichloropropane	96-18-4	ND	5.00	50.0	43.8	88	70 - 120	50.0	45.6	91	4	30
1,2,4-Trichlorobenzene	120-82-1	ND	5.00	50.0	43.4	87	61 - 135	50.0	44.4	89	2	30
1,2,4-Trimethylbenzene	95-63-6	ND	5.00	50.0	55.3	111	74 - 125	50.0	55.7	111	1	30
1,2-Dibromo-3-chloropropane	96-12-8	ND	5.00	50.0	38.4	77	57 - 121	50.0	45.0	90	16	30
1,2-Dibromoethane	106-93-4	ND	5.00	50.0	49.4	99	70 - 124	50.0	51.1	102	3	30
1,2-Dichlorobenzene	95-50-1	ND	5.00	50.0	48.0	96	71 - 126	50.0	50.2	100	4	30
1,2-Dichloroethane	107-06-2	ND	5.00	50.0	50.3	101	71 - 129	50.0	49.5	99	2	30
1,2-Dichloroethene(Total)	540-59-0	ND	10.0	100	101	101	74 - 128	100	103	103	2	30
1,2-Dichloropropane	78-87-5	ND	5.00	50.0	52.1	104	72 - 128	50.0	53.6	107	3	30
1,3,5-Trimethylbenzene	108-67-8	ND	5.00	50.0	52.9	106	71 - 132	50.0	53.8	108	2	30
1,3-Dichlorobenzene	541-73-1	ND	5.00	50.0	50.8	102	74 - 126	50.0	51.5	103	1	30
1,3-Dichloropropane	142-28-9	ND	5.00	50.0	43.4	87	74 - 122	50.0	45.2	90	4	30
1,4-Dichlorobenzene	106-46-7	ND	5.00	50.0	48.0	96	72 - 122	50.0	48.1	96	0	30
2,2-Dichloropropane	594-20-7	ND	5.00	50.0	54.1	108	77 - 124	50.0	53.2	106	2	30
2-Butanone	78-93-3	ND	5.00	50.0	49.7	99	58 - 137	50.0	51.7	103	4	30
2-Chlorotoluene	95-49-8	ND	5.00	50.0	50.0	100	72 - 127	50.0	50.2	100	0	30
2-Hexanone	591-78-6	ND	5.00	50.0	37.9	76	50 - 135	50.0	42.1	84	11	30
4-Chlorotoluene	106-43-4	ND	5.00	50.0	49.7	99	75 - 126	50.0	51.1	102	3	30
4-Isopropyltoluene	99-87-6	ND	5.00	50.0	47.4	95	71 - 129	50.0	47.1	94	1	30
4-Methyl-2-pentanone	108-10-1	ND	5.00	50.0	39.0	78	57 - 132	50.0	41.8	84	7	30
Acetone	67-64-1	ND	5.00	50.0	44.6	89	44 - 156	50.0	48.5	97	8	30
Benzene	71-43-2	ND	5.00	50.0	54.4	109	70 - 129	50.0	54.3	109	0	20
Bromobenzene	108-86-1	ND	5.00	50.0	45.9	92	71 - 120	50.0	47.6	95	4	30
Bromochloromethane	74-97-5	ND	5.00	50.0	61.0	122	76 - 130	50.0	59.6	119	2	30
Bromodichloromethane	75-27-4	ND	5.00	50.0	52.1	104	74 - 125	50.0	51.9	104	0	30
Bromoform	75-25-2	ND	5.00	50.0	50.5	101	64 - 122	50.0	51.2	102	1	30
Bromomethane	74-83-9	ND	5.00	50.0	59.2	118	47 - 138	50.0	62.0	124	5	30
Carbon disulfide	75-15-0	ND	5.00	50.0	56.5	113	69 - 136	50.0	58.3	117	3	30
Carbon tetrachloride	56-23-5	ND	5.00	50.0	52.2	104	76 - 128	50.0	52.8	106	1	30
Chlorobenzene	108-90-7	ND	5.00	50.0	51.0	102	74 - 123	50.0	50.3	101	1	20
Chloroethane	75-00-3	ND	5.00	50.0	53.8	108	62 - 141	50.0	53.5	107	1	30
Chloroform	67-66-3	ND	5.00	50.0	53.4	107	75 - 122	50.0	53.9	108	1	30
Chloromethane	74-87-3	ND	5.00	50.0	55.7	111	59 - 132	50.0	55.2	110	1	30
cis-1,2-Dichloroethene	156-59-2	ND	5.00	50.0	51.3	103	73 - 130	50.0	52.2	104	2	30
cis-1,3-Dichloropropene	10061-01-5	ND	5.00	50.0	59.0	118	71 - 132	50.0	59.4	119	1	30
Dibromochloromethane	124-48-1	ND	5.00	50.0	47.5	95	71 - 123	50.0	48.1	96	1	30
Dibromomethane	74-95-3	ND	5.00	50.0	52.2	104	72 - 129	50.0	54.3	109	4	30
Dichlorodifluoromethane	75-71-8	ND	5.00	50.0	53.5	107	58 - 140	50.0	51.3	103	4	30
Ethylbenzene	100-41-4	ND	5.00	50.0	55.8	112	74 - 126	50.0	53.5	107	4	30
Hexachlorobutadiene	87-68-3	ND	5.00	50.0	50.5	101	61 - 144	50.0	52.6	105	4	30
Isopropylbenzene (Cumene)	98-82-8	ND	5.00	50.0	48.3	97	71 - 125	50.0	47.0	94	3	30
m,p-Xylene	136777-61-2	ND	10.0	100	102	102	74 - 126	100	102	102	0	30
Methylene chloride	75-09-2	ND	5.00	50.0	50.1	100	68 - 132	50.0	50.3	101	0	30
Naphthalene	91-20-3	ND	5.00	50.0	35.5	71	57 - 138	50.0	39.1	78	10	35
n-Butylbenzene	104-51-8	ND	5.00	50.0	45.6	91	69 - 134	50.0	46.3	93	2	30
n-Propylbenzene	103-65-1	ND	5.00	50.0	48.5	97	75 - 129	50.0	50.5	101	4	30
o-Xylene	95-47-6	ND	5.00	50.0	46.0	92	73 - 130	50.0	47.1	94	2	30
sec-Butylbenzene	135-98-8	ND	5.00	50.0	52.3	105	70 - 136	50.0	54.0	108	3	30
Styrene	100-42-5	ND	5.00	50.0	50.1	100	71 - 127	50.0	49.5	99	1	30
tert-Butyl methyl ether (MTBE)	1634-04-4	ND	5.00	50.0	47.8	96	71 - 125	50.0	49.3	99	3	30
tert-Butylbenzene	98-06-6	ND	5.00	50.0	51.2	102	72 - 126	50.0	50.9	102	1	30

GC/MS Volatiles QC Summary

Analytical Batch 613260	Client ID	MB613260		LCS613260				LCSD613260				
	GCAL ID	1697824		1697825				1697826				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	06/30/2017 11:14		06/30/2017 09:49				06/30/2017 10:10				
	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
Tetrachloroethene	127-18-4	ND	5.00	50.0	51.0	102	68 - 128	50.0	47.5	95	7	30
Toluene	108-88-3	ND	5.00	50.0	48.2	96	72 - 120	50.0	48.5	97	1	20
trans-1,2-Dichloroethene	156-60-5	ND	5.00	50.0	49.6	99	69 - 132	50.0	51.0	102	3	30
trans-1,3-Dichloropropene	10061-02-6	ND	5.00	50.0	57.4	115	71 - 131	50.0	57.9	116	1	30
trans-1,4-Dichloro-2-butene	110-57-6	ND	5.00	50.0	41.5	83	56 - 132	50.0	42.1	84	1	30
Trichloroethene	79-01-6	ND	5.00	50.0	53.7	107	76 - 129	50.0	54.1	108	1	20
Trichlorofluoromethane	75-69-4	ND	5.00	50.0	54.5	109	72 - 136	50.0	54.5	109	0	30
Trichlorotrifluoroethane	76-13-1	ND	5.00	50.0	58.9	118	72 - 136	50.0	57.9	116	2	30
Vinyl chloride	75-01-4	ND	2.00	50.0	53.4	107	68 - 132	50.0	53.6	107	0	30
Xylene (total)	1330-20-7	ND	15.0	150	148	99	74 - 127	150	149	99	1	30
Surrogate												
1,2-Dichloroethane-d4	17060-07-0	55.3	111	50	51.4	103	71 - 127	50	54.1	108	NA	NA
4-Bromofluorobenzene	460-00-4	48.3	97	50	52	104	78 - 130	50	51.7	103	NA	NA
Dibromofluoromethane	1868-53-7	57.3	115	50	52.9	106	77 - 127	50	52.7	105	NA	NA
Toluene d8	2037-26-5	54.5	109	50	48.7	97	76 - 134	50	49.6	99	NA	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: 4912 - Clearwater Environmental Resources
SDG: 217062935
PM: SAB3

Report to:
Client: Clearwater Environmental
Address: 3870 Pleasant Hill Blvd
Duluth GA 30096
Contact: Jack Wittle
Phone: 678-441-4601
E-mail: jack.wittle@clearwaterenv.net

Bill to:
Client:
Address: Ste 34019
Contact: SAA
Phone:
E-mail:

P.O. Number:
Project Name/Number: RAYLOC
Sampled By: Perry Frix

Analytical Requests & Method: VOCs via 8260B

GCAL use only:
Custody Seal used ☐ yes ☐ no
intact ☐ yes ☐ no
Temperature °C 1.1
37 cpm
E29

☐ Dissolved Analysis Requested
☐ Field filtered
☐ Lab filtered

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	No Containers	VOCs via 8260B	Preservative
W	6/27	0745		X	MW-7 C 30'	3	X	1
		0836		X	MW-12 C 60'	3	X	2
		0812		X	MW-15 C 30'	3	X	3
		0800		X	MW-17 C 30'	3	X	4
		0805		X	MW-19 C 30'	3	X	5
		0738		X	MW-20 C 60'	3	X	
		0926		X	MW-21 C 60'	3	X	
		0927		X	MW-22 C 60'	3	X	
		0916		X	MW-23 C 60'	3	X	
		0845		X	MW-24 C 30'	3	X	
				X	~~MW-25 C 30'~~	3	X	
		0820		X	MW-26 C 30'	3	X	
		0732		X	PT-3 C 60'	3	X	

Air Bill No: 7795-1212-1700

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:
	6/29/17	0930	Brad Ruchti	6/28/17	0930
Brad Ruchti	6/28/17	1330	Fedex		
Fed Ex	6/29/17	1000		6/29/17	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

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: 4912 - Clearwater Environmental Resources
SDG: 217062935
PM: SAB3

Report to:
Client: Clearwater Env.
Address:
Contact: Jack White
Phone:
E-mail:

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

P.O. Number
Project Name/Number: RAYLOC
Sampled By: Perry Frisk

Analytical Requests & Method

GCAL use only:
Custody Seal used ☑ yes ☐ no
intact ☑ yes ☐ no
Temperature °C 1.1 E29
37 CPM

☐ Dissolved Analysis Requested
☐ Field filtered
☐ Lab filtered

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	No Containers	Preservative
W					TRIP BLANK		-B

Air Bill No:

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:
	6/28/17	0930	Bud Luckett	6/28/17	0930
Bud Luckett	6/28/17	1330	Fedex		
Fed Ex	6/29/17	1000		6/29/17	1000

Note:

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

[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

SAMPLE RECEIVING CHECKLIST

217062935

SAMPLE DELIVERY GROUP 217062935	
Client PM SAB3 4912 - Clearwater Environmental Resources	**Transport Method** FEDEX
Profile Number 259985	**Received By** Reese, Sean M.
Line Item(s) 1 - VOC	**Receive Date(s)** 06/29/17

CHECKLIST	YES	NO
Samples received with proper thermal and chemical preservation?	☑	☐
Radioactivity is <1600 cpm? If no, record cpm value in notes section.	☑	☐
When used, were custody seals intact?	☑	☐
COC relinquished and complete (including sampleIDs, collect dates/times, and sampler)?	☑	☐
All containers received in good condition and within hold time?	☑	☐
All sample labels and containers received match the chain of custody?	☑	☐
Preservation checked at receipt if necessary? Except: VOC, Coliform, TOC, O&G, DOC	☐	☑
Preservative added to any containers?	☐	☑
VOC water containers received with headspace < 6mm?	☑	☐
Samples collected in containers provided by GCAL?	☑	☐

COOLERS

Airbill	Thermometer ID: E29	Temp °C
7795 12121 1700		1.1

DISCREPANCIES

None

LAB PRESERVATIONS

None

NOTES

Revision 1.6

Page 1 of 1

ANALYTICAL RESULTS

PERFORMED BY

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

Report Date 04/06/2017

GCAL Report 217040109

Project Rayloc

Deliver To	***Additional Recipients***
Jack Wintle Clearwater Env. Resources Peachtree Industrial blvd Duluth, GA 30096 678-491-4601	NONE

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
NO	Indicates the sample did not ignite when preliminary test performed for EPA Method 1030
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
DL	Detection Limit
DL	Diluted analysis – when appended to Client Sample ID
LOD	Limit of Detection
LOQ	Limit of Quantitation
RE	Re-analysis
CF	HPLC or GC Confirmation
00:01	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
J	DOD flag on analyte in the parent sample for MS/MSD outside acceptance criteria
U	Indicates the compound was analyzed for but not detected
B or V	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 – see narrative
E	The result is estimated because it exceeded the instrument calibration range
E	Metals - % diference for the serial dilution is > 10%
P	RPD between primary and confirmation result is greater than 40

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 Institute (TNI) Standard 2009 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 217040109

Certifications

Certification	Certification Number
DOD ELAP	L14-243
Alabama	01955
Arkansas	12-060-0
Colorado	01955
Delaware	01955
Florida	E87854
Georgia	01955
Hawaii	01955
Idaho	01955
Illinois	200048
Indiana	01955
Kansas	E-10354
Kentucky	95
Louisiana	01955
Maryland	01955
Massachusetts	01955
Michigan	01955
Mississippi	01955
Missouri	01955
Montana	N/A
Nebraska	01955
New Mexico	01955
North Carolina	618
North Dakota	R-195
Oklahoma	9403
South Carolina	73006001
South Dakota	01955
Tennessee	01955
Texas	T104704178
Vermont	01955
Virginia	460215
USDA Soil Permit	P330-10-00117

Case Narrative

Client: Clearwater Environmental Resources **Report:** 217040109

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 21704010906 (MW-20 @ 60'), 21704010909 (MW-23 @ 60'), and 21704010911 (PT-3 @ 60') had to be diluted due to the presence of non-target background. The dilutions are reflected in the elevated detection limits.

In the EPA 8260B analysis, samples 21704010902 (MW-12 @ 60'), 21704010904 (MW-17 @ 30'), 21704010906 (MW-20 @ 60'), 21704010907 (MW-21 @ 60'), 21704010908 (MW-22 @ 60'), 21704010909 (MW-23 @ 60'), 21704010910 (MW-24 @ 30'), and 21704010911 (PT-3 @ 60') had to be diluted to bracket the concentration of target analytes within the calibration range of the instrument. The dilutions are reflected in elevated detection limits.

Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21704010901	MW-7 @ 30'	Water	03/29/2017 11:50	04/01/2017 10:00
21704010902	MW-12 @ 60'	Water	03/29/2017 11:27	04/01/2017 10:00
21704010903	MW-15 @ 30'	Water	03/29/2017 11:10	04/01/2017 10:00
21704010904	MW-17 @ 30'	Water	03/29/2017 10:54	04/01/2017 10:00
21704010905	MW-19 @ 30'	Water	03/29/2017 11:01	04/01/2017 10:00
21704010906	MW-20 @ 60'	Water	03/29/2017 12:04	04/01/2017 10:00
21704010907	MW-21 @ 60'	Water	03/29/2017 13:25	04/01/2017 10:00
21704010908	MW-22 @ 60'	Water	03/29/2017 13:20	04/01/2017 10:00
21704010909	MW-23 @ 60'	Water	03/29/2017 13:12	04/01/2017 10:00
21704010910	MW-24 @ 30'	Water	03/29/2017 11:35	04/01/2017 10:00
21704010911	PT-3 @ 60'	Water	03/29/2017 11:58	04/01/2017 10:00
21704010912	TRIP BLANK	Water	03/29/2017 00:01	04/01/2017 10:00

Summary of Compounds Detected

MW-7 @ 30'

Collect Date 03/29/2017 11:50 **GCAL ID** 21704010901
Receive Date 04/01/2017 10:00 **Matrix** Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
67-64-1	Acetone	12.5	5.00	ug/L

MW-12 @ 60'

Collect Date 03/29/2017 11:27 **GCAL ID** 21704010902
Receive Date 04/01/2017 10:00 **Matrix** Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	29.8	10.0	ug/L
67-64-1	Acetone	18.1	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	29.8	5.00	ug/L
127-18-4	Tetrachloroethene	1490	50.0	ug/L
79-01-6	Trichloroethene	16.2	5.00	ug/L

MW-15 @ 30'

Collect Date 03/29/2017 11:10 **GCAL ID** 21704010903
Receive Date 04/01/2017 10:00 **Matrix** Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
67-64-1	Acetone	26.2	5.00	ug/L

MW-17 @ 30'

Collect Date 03/29/2017 10:54 **GCAL ID** 21704010904
Receive Date 04/01/2017 10:00 **Matrix** Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	399	100	ug/L
67-64-1	Acetone	16.7	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	399	50.0	ug/L
127-18-4	Tetrachloroethene	1590	50.0	ug/L
79-01-6	Trichloroethene	251	50.0	ug/L

Summary of Compounds Detected

MW-19 @ 30'

Collect Date 03/29/2017 11:01 **GCAL ID** 21704010905
Receive Date 04/01/2017 10:00 **Matrix** Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	56.2	10.0	ug/L
67-64-1	Acetone	28.7	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	56.2	5.00	ug/L
75-01-4	Vinyl chloride	9.12	2.00	ug/L

MW-20 @ 60'

Collect Date 03/29/2017 12:04 **GCAL ID** 21704010906
Receive Date 04/01/2017 10:00 **Matrix** Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	94.8	20.0	ug/L
67-64-1	Acetone	19.2	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	92.0	10.0	ug/L
127-18-4	Tetrachloroethene	2120	100	ug/L
79-01-6	Trichloroethene	144	10.0	ug/L

MW-21 @ 60'

Collect Date 03/29/2017 13:25 **GCAL ID** 21704010907
Receive Date 04/01/2017 10:00 **Matrix** Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
67-64-1	Acetone	16.4	5.00	ug/L
127-18-4	Tetrachloroethene	340	50.0	ug/L

MW-22 @ 60'

Collect Date 03/29/2017 13:20 **GCAL ID** 21704010908
Receive Date 04/01/2017 10:00 **Matrix** Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	198	10.0	ug/L
67-64-1	Acetone	27.6	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	197	5.00	ug/L
127-18-4	Tetrachloroethene	1130	50.0	ug/L

Summary of Compounds Detected

MW-22 @ 60'

Collect Date 03/29/2017 13:20 **GCAL ID** 21704010908
Receive Date 04/01/2017 10:00 **Matrix** Water

EPA 8260B (Continued)

CAS#	Parameter	Result	LOQ	Units
79-01-6	Trichloroethene	99.8	5.00	ug/L

MW-23 @ 60'

Collect Date 03/29/2017 13:12 **GCAL ID** 21704010909
Receive Date 04/01/2017 10:00 **Matrix** Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	5980	1000	ug/L
156-59-2	cis-1,2-Dichloroethene	5980	500	ug/L
127-18-4	Tetrachloroethene	3760	500	ug/L
79-01-6	Trichloroethene	898	50.0	ug/L

MW-24 @ 30'

Collect Date 03/29/2017 11:35 **GCAL ID** 21704010910
Receive Date 04/01/2017 10:00 **Matrix** Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	320	10.0	ug/L
67-64-1	Acetone	27.3	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	306	50.0	ug/L
127-18-4	Tetrachloroethene	344	50.0	ug/L
79-01-6	Trichloroethene	73.5	5.00	ug/L

PT-3 @ 60'

Collect Date 03/29/2017 11:58 **GCAL ID** 21704010911
Receive Date 04/01/2017 10:00 **Matrix** Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
156-59-2	cis-1,2-Dichloroethene	323	250	ug/L
127-18-4	Tetrachloroethene	16500	2500	ug/L
79-01-6	Trichloroethene	796	250	ug/L

Sample Results

MW-7 @ 30'	**Collect Date**	03/29/2017 11:50	**GCAL ID**	21704010901
	Receive Date	04/01/2017 10:00	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	04/02/2017 15:14	JCK	607525

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**	**12.5**	**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

Sample Results

MW-7 @ 30'

Collect Date	03/29/2017 11:50	**GCAL ID**	21704010901
Receive Date	04/01/2017 10:00	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	04/02/2017 15:14	JCK	607525

CAS#	Parameter	Result	LOQ	Units
98-82-8	Isopropylbenzene (Cumene)	ND	5.00	ug/L
136777-61-2	m,p-Xylene	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	2.00	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	50.3	ug/L	101	78 - 130
1868-53-7	Dibromofluoromethane	50	52.5	ug/L	105	77 - 127
2037-26-5	Toluene d8	50	50.9	ug/L	102	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	51.2	ug/L	102	71 - 127

MW-12 @ 60'

Collect Date	03/29/2017 11:27	**GCAL ID**	21704010902
Receive Date	04/01/2017 10:00	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	04/02/2017 17:38	JCK	607525

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

Sample Results

MW-12 @ 60'

Collect Date	03/29/2017 11:27	**GCAL ID**	21704010902
Receive Date	04/01/2017 10:00	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	04/02/2017 17:38	JCK	607525

CAS#	Parameter	Result	LOQ	Units
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)**	**29.8**	**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**	**18.1**	**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**	**29.8**	**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
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 @ 60'

Collect Date	03/29/2017 11:27	**GCAL ID**	21704010902
Receive Date	04/01/2017 10:00	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	04/02/2017 17:38	JCK	607525

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**	**16.2**	**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	2.00	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	53.5	ug/L	107	77 - 127
2037-26-5	Toluene d8	50	50.3	ug/L	101	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	52.9	ug/L	106	71 - 127

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	10	04/02/2017 16:49	JCK	607525

CAS#	Parameter	Result	LOQ	Units
127-18-4	**Tetrachloroethene**	**1490**	**50.0**	**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	530	ug/L	106	77 - 127
2037-26-5	Toluene d8	500	508	ug/L	102	76 - 134
17060-07-0	1,2-Dichloroethane-d4	500	552	ug/L	110	71 - 127

Sample Results

MW-15 @ 30'	**Collect Date**	03/29/2017 11:10	**GCAL ID**	21704010903
	Receive Date	04/01/2017 10:00	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	04/02/2017 15:37	JCK	607525

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**	**26.2**	**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

Sample Results

MW-15 @ 30'

Collect Date	03/29/2017 11:10	**GCAL ID**	21704010903
Receive Date	04/01/2017 10:00	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	04/02/2017 15:37	JCK	607525

CAS#	Parameter	Result	LOQ	Units
98-82-8	Isopropylbenzene (Cumene)	ND	5.00	ug/L
136777-61-2	m,p-Xylene	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	2.00	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	51	ug/L	102	78 - 130
1868-53-7	Dibromofluoromethane	50	51.8	ug/L	104	77 - 127
2037-26-5	Toluene d8	50	50.8	ug/L	102	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	53.1	ug/L	106	71 - 127

MW-17 @ 30'

Collect Date	03/29/2017 10:54	**GCAL ID**	21704010904
Receive Date	04/01/2017 10:00	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	04/02/2017 18:01	JCK	607525

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

Sample Results

MW-17 @ 30'

Collect Date	03/29/2017 10:54	**GCAL ID**	21704010904
Receive Date	04/01/2017 10:00	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	04/02/2017 18:01	JCK	607525

CAS#	Parameter	Result	LOQ	Units
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
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**	**16.7**	**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
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

MW-17 @ 30'	**Collect Date**	03/29/2017 10:54	**GCAL ID**	21704010904
	Receive Date	04/01/2017 10:00	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	04/02/2017 18:01	JCK	607525

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
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
75-69-4	Trichlorofluoromethane	ND	5.00	ug/L
76-13-1	Trichlorotrifluoroethane	ND	5.00	ug/L
75-01-4	Vinyl chloride	ND	2.00	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	51.3	ug/L	103	78 - 130
1868-53-7	Dibromofluoromethane	50	53.1	ug/L	106	77 - 127
2037-26-5	Toluene d8	50	49.9	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	53.7	ug/L	107	71 - 127

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	10	04/02/2017 17:15	JCK	607525

CAS#	Parameter	Result	LOQ	Units
540-59-0	**1,2-Dichloroethene(Total)**	**399**	**100**	**ug/L**
156-59-2	**cis-1,2-Dichloroethene**	**399**	**50.0**	**ug/L**
127-18-4	**Tetrachloroethene**	**1590**	**50.0**	**ug/L**
79-01-6	**Trichloroethene**	**251**	**50.0**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	500	500	ug/L	100	78 - 130
1868-53-7	Dibromofluoromethane	500	527	ug/L	105	77 - 127
2037-26-5	Toluene d8	500	510	ug/L	102	76 - 134
17060-07-0	1,2-Dichloroethane-d4	500	555	ug/L	111	71 - 127

Sample Results

MW-19 @ 30'	**Collect Date**	03/29/2017 11:01	**GCAL ID**	21704010905
	Receive Date	04/01/2017 10:00	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	04/02/2017 16:00	JCK	607525

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)**	**56.2**	**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**	**28.7**	**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**	**56.2**	**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

Sample Results

MW-19 @ 30'

Collect Date	03/29/2017 11:01	**GCAL ID**	21704010905
Receive Date	04/01/2017 10:00	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	04/02/2017 16:00	JCK	607525

CAS#	Parameter	Result	LOQ	Units
98-82-8	Isopropylbenzene (Cumene)	ND	5.00	ug/L
136777-61-2	m,p-Xylene	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**	**9.12**	**2.00**	**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	51	ug/L	102	78 - 130
1868-53-7	Dibromofluoromethane	50	52.7	ug/L	105	77 - 127
2037-26-5	Toluene d8	50	50	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	52.1	ug/L	104	71 - 127

MW-20 @ 60'

Collect Date	03/29/2017 12:04	**GCAL ID**	21704010906
Receive Date	04/01/2017 10:00	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	2	04/02/2017 18:24	JCK	607525

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

Sample Results

MW-20 @ 60'

Collect Date	03/29/2017 12:04	**GCAL ID**	21704010906
Receive Date	04/01/2017 10:00	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	2	04/02/2017 18:24	JCK	607525

CAS#	Parameter	Result	LOQ	Units
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)**	**94.8**	**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**	**19.2**	**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**	**92.0**	**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
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-20 @ 60'

Collect Date	03/29/2017 12:04	**GCAL ID**	21704010906
Receive Date	04/01/2017 10:00	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	2	04/02/2017 18:24	JCK	607525

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**	**144**	**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	4.00	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	98.5	ug/L	99	78 - 130
1868-53-7	Dibromofluoromethane	100	108	ug/L	108	77 - 127
2037-26-5	Toluene d8	100	99.4	ug/L	99	76 - 134
17060-07-0	1,2-Dichloroethane-d4	100	111	ug/L	111	71 - 127

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	20	04/02/2017 16:24	JCK	607525

CAS#	Parameter	Result	LOQ	Units
127-18-4	**Tetrachloroethene**	**2120**	**100**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	1000	1020	ug/L	102	78 - 130
1868-53-7	Dibromofluoromethane	1000	1080	ug/L	108	77 - 127
2037-26-5	Toluene d8	1000	1010	ug/L	101	76 - 134
17060-07-0	1,2-Dichloroethane-d4	1000	1050	ug/L	105	71 - 127

Sample Results

MW-21 @ 60'	**Collect Date**	03/29/2017 13:25	**GCAL ID**	21704010907
	Receive Date	04/01/2017 10:00	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	04/03/2017 15:03	LBH	607570

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**	**16.4**	**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

Sample Results

MW-21 @ 60'

Collect Date	03/29/2017 13:25	**GCAL ID**	21704010907
Receive Date	04/01/2017 10:00	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	04/03/2017 15:03	LBH	607570

CAS#	Parameter	Result	LOQ	Units
98-82-8	Isopropylbenzene (Cumene)	ND	5.00	ug/L
136777-61-2	m,p-Xylene	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
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	2.00	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	53	ug/L	106	77 - 127
2037-26-5	Toluene d8	50	50.4	ug/L	101	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	53.7	ug/L	107	71 - 127

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	10	04/03/2017 13:48	LBH	607570

CAS#	Parameter	Result	LOQ	Units
127-18-4	**Tetrachloroethene**	**340**	**50.0**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	500	505	ug/L	101	78 - 130
1868-53-7	Dibromofluoromethane	500	535	ug/L	107	77 - 127
2037-26-5	Toluene d8	500	515	ug/L	103	76 - 134
17060-07-0	1,2-Dichloroethane-d4	500	553	ug/L	111	71 - 127

Sample Results

MW-22 @ 60'

Collect Date	03/29/2017 13:20	**GCAL ID**	21704010908
Receive Date	04/01/2017 10:00	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	04/03/2017 15:26	LBH	607570

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)**	**198**	**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**	**27.6**	**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**	**197**	**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

Sample Results

MW-22 @ 60'

Collect Date	03/29/2017 13:20	**GCAL ID**	21704010908
Receive Date	04/01/2017 10:00	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	04/03/2017 15:26	LBH	607570

CAS#	Parameter	Result	LOQ	Units
98-82-8	Isopropylbenzene (Cumene)	ND	5.00	ug/L
136777-61-2	m,p-Xylene	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
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**	**99.8**	**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	2.00	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	53.8	ug/L	108	77 - 127
2037-26-5	Toluene d8	50	50.5	ug/L	101	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	52.9	ug/L	106	71 - 127

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	10	04/03/2017 14:14	LBH	607570

CAS#	Parameter	Result	LOQ	Units
127-18-4	**Tetrachloroethene**	**1130**	**50.0**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	500	498	ug/L	100	78 - 130
1868-53-7	Dibromofluoromethane	500	526	ug/L	105	77 - 127
2037-26-5	Toluene d8	500	512	ug/L	102	76 - 134
17060-07-0	1,2-Dichloroethane-d4	500	536	ug/L	107	71 - 127

Sample Results

MW-23 @ 60'	**Collect Date**	03/29/2017 13:12	**GCAL ID**	21704010909
	Receive Date	04/01/2017 10:00	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	10	04/04/2017 18:08	LBH	607660

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

Sample Results

MW-23 @ 60'

Collect Date	03/29/2017 13:12	**GCAL ID**	21704010909
Receive Date	04/01/2017 10:00	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	10	04/04/2017 18:08	LBH	607660

CAS#	Parameter	Result	LOQ	Units
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
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**	**898**	**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	20.0	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	485	ug/L	97	78 - 130
1868-53-7	Dibromofluoromethane	500	477	ug/L	95	77 - 127
2037-26-5	Toluene d8	500	499	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	500	484	ug/L	97	71 - 127

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	100	04/04/2017 17:25	LBH	607660

CAS#	Parameter	Result	LOQ	Units
540-59-0	**1,2-Dichloroethene(Total)**	**5980**	**1000**	**ug/L**
156-59-2	**cis-1,2-Dichloroethene**	**5980**	**500**	**ug/L**
127-18-4	**Tetrachloroethene**	**3760**	**500**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	5000	5140	ug/L	103	78 - 130
1868-53-7	Dibromofluoromethane	5000	4990	ug/L	100	77 - 127
2037-26-5	Toluene d8	5000	4770	ug/L	95	76 - 134
17060-07-0	1,2-Dichloroethane-d4	5000	4730	ug/L	95	71 - 127

Sample Results

MW-24 @ 30'

Collect Date	03/29/2017 11:35	**GCAL ID**	21704010910
Receive Date	04/01/2017 10:00	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	04/03/2017 15:49	LBH	607570

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)**	**320**	**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**	**27.3**	**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

Sample Results

MW-24 @ 30'

Collect Date	03/29/2017 11:35	**GCAL ID**	21704010910
Receive Date	04/01/2017 10:00	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	04/03/2017 15:49	LBH	607570

CAS#	Parameter	Result	LOQ	Units
136777-61-2	m,p-Xylene	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
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**	**73.5**	**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	2.00	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	51.2	ug/L	102	78 - 130
1868-53-7	Dibromofluoromethane	50	53.4	ug/L	107	77 - 127
2037-26-5	Toluene d8	50	51.1	ug/L	102	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	53.1	ug/L	106	71 - 127

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	10	04/03/2017 14:40	LBH	607570

CAS#	Parameter	Result	LOQ	Units
156-59-2	**cis-1,2-Dichloroethene**	**306**	**50.0**	**ug/L**
127-18-4	**Tetrachloroethene**	**344**	**50.0**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	500	500	ug/L	100	78 - 130
1868-53-7	Dibromofluoromethane	500	531	ug/L	106	77 - 127
2037-26-5	Toluene d8	500	519	ug/L	104	76 - 134
17060-07-0	1,2-Dichloroethane-d4	500	558	ug/L	112	71 - 127

Sample Results

PT-3 @ 60'	**Collect Date**	03/29/2017 11:58	**GCAL ID**	21704010911
	Receive Date	04/01/2017 10:00	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	50	04/04/2017 18:50	LBH	607660

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	500	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	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**	**323**	**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

Sample Results

PT-3 @ 60'

Collect Date	03/29/2017 11:58	**GCAL ID**	21704010911
Receive Date	04/01/2017 10:00	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	50	04/04/2017 18:50	LBH	607660

CAS#	Parameter	Result	LOQ	Units
98-82-8	Isopropylbenzene (Cumene)	ND	250	ug/L
136777-61-2	m,p-Xylene	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
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**	**796**	**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	100	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	2460	ug/L	98	78 - 130
1868-53-7	Dibromofluoromethane	2500	2600	ug/L	104	77 - 127
2037-26-5	Toluene d8	2500	2460	ug/L	98	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	04/04/2017 17:46	LBH	607660

CAS#	Parameter	Result	LOQ	Units
127-18-4	**Tetrachloroethene**	**16500**	**2500**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	25000	25000	ug/L	100	78 - 130
1868-53-7	Dibromofluoromethane	25000	24600	ug/L	98	77 - 127
2037-26-5	Toluene d8	25000	25500	ug/L	102	76 - 134
17060-07-0	1,2-Dichloroethane-d4	25000	24800	ug/L	99	71 - 127

Sample Results

TRIP BLANK	**Collect Date**	03/29/2017 00:01	**GCAL ID**	21704010912
	Receive Date	04/01/2017 10:00	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	04/04/2017 16:21	LBH	607660

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

Sample Results

TRIP BLANK

Collect Date	03/29/2017 00:01	**GCAL ID**	21704010912
Receive Date	04/01/2017 10:00	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	04/04/2017 16:21	LBH	607660

CAS#	Parameter	Result	LOQ	Units
98-82-8	Isopropylbenzene (Cumene)	ND	5.00	ug/L
136777-61-2	m,p-Xylene	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	2.00	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	47.8	ug/L	96	78 - 130
1868-53-7	Dibromofluoromethane	50	50	ug/L	100	77 - 127
2037-26-5	Toluene d8	50	50.9	ug/L	102	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.4	ug/L	101	71 - 127

GC/MS Volatiles QC Summary

Analytical Batch 607525	Client ID	MB607525		LCS607525				LCSD607525				
	GCAL ID	1670411		1670412				1670413				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	04/02/2017 08:43		04/02/2017 07:11				04/02/2017 07:34				
	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	46.0	92	75 - 124	50.0	48.7	97	6	30
1,1,1-Trichloroethane	71-55-6	ND	5.00	50.0	49.5	99	76 - 126	50.0	51.1	102	3	30
1,1,2,2-Tetrachloroethane	79-34-5	ND	5.00	50.0	35.9	72	70 - 122	50.0	38.3	77	6	30
1,1,2-Trichloroethane	79-00-5	ND	5.00	50.0	43.2	86	72 - 121	50.0	47.2	94	9	30
1,1-Dichloroethane	75-34-3	ND	5.00	50.0	45.2	90	74 - 127	50.0	46.5	93	3	30
1,1-Dichloroethene	75-35-4	ND	5.00	50.0	49.9	100	69 - 129	50.0	50.2	100	1	20
1,1-Dichloropropene	563-58-6	ND	5.00	50.0	50.0	100	72 - 131	50.0	50.1	100	0	30
1,2,3-Trichloropropane	96-18-4	ND	5.00	50.0	40.1	80	70 - 120	50.0	43.4	87	8	30
1,2,4-Trichlorobenzene	120-82-1	ND	5.00	50.0	43.4	87	61 - 135	50.0	46.6	93	7	30
1,2,4-Trimethylbenzene	95-63-6	ND	5.00	50.0	50.1	100	74 - 125	50.0	50.9	102	2	30
1,2-Dibromo-3-chloropropane	96-12-8	ND	5.00	50.0	41.7	83	57 - 121	50.0	48.6	97	15	30
1,2-Dibromoethane	106-93-4	ND	5.00	50.0	46.3	93	70 - 124	50.0	50.6	101	9	30
1,2-Dichlorobenzene	95-50-1	ND	5.00	50.0	46.1	92	71 - 126	50.0	46.8	94	2	30
1,2-Dichloroethane	107-06-2	ND	5.00	50.0	47.6	95	71 - 129	50.0	50.1	100	5	30
1,2-Dichloroethene(Total)	540-59-0	ND	10.0	100	97.9	98	74 - 128	100	98.6	99	1	30
1,2-Dichloropropane	78-87-5	ND	5.00	50.0	44.1	88	72 - 128	50.0	45.3	91	3	30
1,3,5-Trimethylbenzene	108-67-8	ND	5.00	50.0	48.3	97	71 - 132	50.0	48.8	98	1	30
1,3-Dichlorobenzene	541-73-1	ND	5.00	50.0	47.3	95	74 - 126	50.0	47.3	95	0	30
1,3-Dichloropropane	142-28-9	ND	5.00	50.0	44.1	88	74 - 122	50.0	47.5	95	7	30
1,4-Dichlorobenzene	106-46-7	ND	5.00	50.0	45.0	90	72 - 122	50.0	46.0	92	2	30
2,2-Dichloropropane	594-20-7	ND	5.00	50.0	52.1	104	77 - 124	50.0	51.3	103	2	30
2-Butanone	78-93-3	ND	5.00	50.0	35.8	72	58 - 137	50.0	41.8	84	15	30
2-Chlorotoluene	95-49-8	ND	5.00	50.0	43.9	88	72 - 127	50.0	44.1	88	1	30
2-Hexanone	591-78-6	ND	5.00	50.0	35.0	70	50 - 135	50.0	42.1	84	18	30
4-Chlorotoluene	106-43-4	ND	5.00	50.0	46.0	92	75 - 126	50.0	45.9	92	0	30
4-Isopropyltoluene	99-87-6	ND	5.00	50.0	52.1	104	71 - 129	50.0	51.8	104	1	30
4-Methyl-2-pentanone	108-10-1	ND	5.00	50.0	41.3	83	57 - 132	50.0	49.1	98	17	30
Acetone	67-64-1	ND	5.00	50.0	38.2	76	44 - 156	50.0	43.9	88	14	30
Benzene	71-43-2	ND	5.00	50.0	46.0	92	70 - 129	50.0	46.8	94	2	20
Bromobenzene	108-86-1	ND	5.00	50.0	42.5	85	71 - 120	50.0	42.8	86	1	30
Bromochloromethane	74-97-5	ND	5.00	50.0	48.4	97	76 - 130	50.0	49.9	100	3	30
Bromodichloromethane	75-27-4	ND	5.00	50.0	50.1	100	74 - 125	50.0	51.1	102	2	30
Bromoform	75-25-2	ND	5.00	50.0	47.7	95	64 - 122	50.0	53.5	107	11	30
Bromomethane	74-83-9	ND	5.00	50.0	49.9	100	47 - 138	50.0	52.3	105	5	30
Carbon disulfide	75-15-0	ND	5.00	50.0	47.2	94	69 - 136	50.0	47.5	95	1	30
Carbon tetrachloride	56-23-5	ND	5.00	50.0	52.1	104	76 - 128	50.0	52.8	106	1	30
Chlorobenzene	108-90-7	ND	5.00	50.0	44.9	90	74 - 123	50.0	46.6	93	4	20
Chloroethane	75-00-3	ND	5.00	50.0	46.1	92	62 - 141	50.0	46.6	93	1	30
Chloroform	67-66-3	ND	5.00	50.0	47.1	94	75 - 122	50.0	48.5	97	3	30
Chloromethane	74-87-3	ND	5.00	50.0	46.3	93	59 - 132	50.0	47.3	95	2	30
cis-1,2-Dichloroethene	156-59-2	ND	5.00	50.0	49.3	99	73 - 130	50.0	49.6	99	1	30
cis-1,3-Dichloropropene	10061-01-5	ND	5.00	50.0	44.6	89	71 - 132	50.0	46.4	93	4	30
Dibromochloromethane	124-48-1	ND	5.00	50.0	45.9	92	71 - 123	50.0	50.8	102	10	30
Dibromomethane	74-95-3	ND	5.00	50.0	48.8	98	72 - 129	50.0	50.4	101	3	30
Dichlorodifluoromethane	75-71-8	ND	5.00	50.0	50.8	102	58 - 140	50.0	51.6	103	2	30
Ethylbenzene	100-41-4	ND	5.00	50.0	46.0	92	74 - 126	50.0	47.5	95	3	30
Hexachlorobutadiene	87-68-3	ND	5.00	50.0	53.6	107	61 - 144	50.0	54.5	109	2	30
Isopropylbenzene (Cumene)	98-82-8	ND	5.00	50.0	51.6	103	71 - 125	50.0	53.8	108	4	30
m,p-Xylene	136777-61-2	ND	10.0	100	93.1	93	74 - 126	100	96.2	96	3	30
Methylene chloride	75-09-2	ND	5.00	50.0	44.4	89	68 - 132	50.0	45.7	91	3	30
Naphthalene	91-20-3	ND	5.00	50.0	37.2	74	57 - 138	50.0	44.4	89	18	35
n-Butylbenzene	104-51-8	ND	5.00	50.0	51.4	103	69 - 134	50.0	51.9	104	1	30
n-Propylbenzene	103-65-1	ND	5.00	50.0	45.1	90	75 - 129	50.0	44.6	89	1	30
o-Xylene	95-47-6	ND	5.00	50.0	45.8	92	73 - 130	50.0	47.3	95	3	30
sec-Butylbenzene	135-98-8	ND	5.00	50.0	48.3	97	70 - 136	50.0	47.7	95	1	30
Styrene	100-42-5	ND	5.00	50.0	44.7	89	71 - 127	50.0	47.5	95	6	30
tert-Butyl methyl ether (MTBE)	1634-04-4	ND	5.00	50.0	45.1	90	71 - 125	50.0	48.0	96	6	30
tert-Butylbenzene	98-06-6	ND	5.00	50.0	46.6	93	72 - 126	50.0	45.5	91	2	30

GC/MS Volatiles QC Summary

Analytical Batch 607525	Client ID	MB607525		LCS607525				LCSD607525				
	GCAL ID	1670411		1670412				1670413				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	04/02/2017 08:43		04/02/2017 07:11				04/02/2017 07:34				
	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
Tetrachloroethene	127-18-4	ND	5.00	50.0	50.4	101	68 - 128	50.0	50.2	100	0	30
Toluene	108-88-3	ND	5.00	50.0	44.4	89	72 - 120	50.0	45.7	91	4	20
trans-1,2-Dichloroethene	156-60-5	ND	5.00	50.0	48.7	97	69 - 132	50.0	49.0	98	1	30
trans-1,3-Dichloropropene	10061-02-6	ND	5.00	50.0	45.8	92	71 - 131	50.0	46.8	94	2	30
trans-1,4-Dichloro-2-butene	110-57-6	ND	5.00	50.0	44.2	88	56 - 132	50.0	48.1	96	8	30
Trichloroethene	79-01-6	ND	5.00	50.0	50.0	100	76 - 129	50.0	49.5	99	1	20
Trichlorofluoromethane	75-69-4	ND	5.00	50.0	56.8	114	72 - 136	50.0	56.2	112	1	30
Trichlorotrifluoroethane	76-13-1	ND	5.00	50.0	54.2	108	72 - 136	50.0	53.2	106	2	30
Vinyl chloride	75-01-4	ND	2.00	50.0	48.9	98	68 - 132	50.0	51.0	102	4	30
Xylene (total)	1330-20-7	ND	15.0	150	139	93	74 - 127	150	143	95	3	30
Surrogate												
1,2-Dichloroethane-d4	17060-07-0	50.1	100	50	53.1	106	71 - 127	50	53.5	107	NA	NA
4-Bromofluorobenzene	460-00-4	51.3	103	50	53.3	107	78 - 130	50	56.4	113	NA	NA
Dibromofluoromethane	1868-53-7	52.1	104	50	52.9	106	77 - 127	50	52.9	106	NA	NA
Toluene d8	2037-26-5	50.4	101	50	48.2	96	76 - 134	50	49.4	99	NA	NA

Analytical Batch 607525	Client ID	SB-3 / TW-3		(SB-3 / TW-3) MS				(SB-3 / TW-3) MSD				
	GCAL ID	21703295224		21703295228				21703295229				
	Sample Type	SAMPLE		MS				MSD				
	Prep Date	NA		NA				NA				
	Analysis Date	04/02/2017 12:56		04/02/2017 13:19				04/02/2017 13:42				
	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
Benzene	71-43-2	3.67	5.00	50.0	48.1	89	70 - 129	50.0	48.2	89	0	20
Ethylbenzene	100-41-4	0.606	5.00	50.0	47.2	93	74 - 126	50.0	45.9	91	3	30
tert-Butyl methyl ether (MTBE)	1634-04-4	4.39	5.00	50.0	52.7	97	71 - 125	50.0	53.2	98	1	30
Toluene	108-88-3	2.16	5.00	50.0	47.3	90	72 - 120	50.0	46.3	88	2	20
Xylene (total)	1330-20-7	6.32	15.0	150	147	94	74 - 127	150	143	91	3	30
Surrogate												
1,2-Dichloroethane-d4	17060-07-0	.0533	107	50	55.5	111	71 - 127	50	54.9	110	NA	NA
4-Bromofluorobenzene	460-00-4	.0541	108	50	56.7	113	78 - 130	50	55.6	111	NA	NA
Dibromofluoromethane	1868-53-7	.0493	99	50	51.4	103	77 - 127	50	52.2	104	NA	NA
Toluene d8	2037-26-5	.0513	103	50	48.8	98	76 - 134	50	48.8	98	NA	NA

Analytical Batch 607570	Client ID	MB607570		LCS607570				LCSD607570				
	GCAL ID	1670590		1670591				1670592				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	04/03/2017 12:59		04/03/2017 10:15				04/03/2017 10:38				
	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	48.0	96	3	30
1,1,1-Trichloroethane	71-55-6	ND	5.00	50.0	50.5	101	76 - 126	50.0	51.2	102	1	30
1,1,2,2-Tetrachloroethane	79-34-5	ND	5.00	50.0	36.7	73	70 - 122	50.0	38.4	77	5	30
1,1,2-Trichloroethane	79-00-5	ND	5.00	50.0	43.0	86	72 - 121	50.0	46.0	92	7	30
1,1-Dichloroethane	75-34-3	ND	5.00	50.0	47.2	94	74 - 127	50.0	47.5	95	1	30
1,1-Dichloroethene	75-35-4	ND	5.00	50.0	50.6	101	69 - 129	50.0	51.1	102	1	20
1,1-Dichloropropene	563-58-6	ND	5.00	50.0	49.9	100	72 - 131	50.0	49.1	98	2	30
1,2,3-Trichloropropane	96-18-4	ND	5.00	50.0	40.8	82	70 - 120	50.0	44.5	89	9	30
1,2,4-Trichlorobenzene	120-82-1	ND	5.00	50.0	42.2	84	61 - 135	50.0	45.0	90	6	30
1,2,4-Trimethylbenzene	95-63-6	ND	5.00	50.0	47.4	95	74 - 125	50.0	49.2	98	4	30
1,2-Dibromo-3-chloropropane	96-12-8	ND	5.00	50.0	41.9	84	57 - 121	50.0	46.4	93	10	30
1,2-Dibromoethane	106-93-4	ND	5.00	50.0	47.5	95	70 - 124	50.0	49.7	99	5	30
1,2-Dichlorobenzene	95-50-1	ND	5.00	50.0	45.2	90	71 - 126	50.0	46.6	93	3	30

GC/MS Volatiles QC Summary

Analytical Batch 607570	Client ID	MB607570		LCS607570				LCSD607570				
	GCAL ID	1670590		1670591				1670592				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	04/03/2017 12:59		04/03/2017 10:15				04/03/2017 10:38				
	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
1,2-Dichloroethane	107-06-2	ND	5.00	50.0	49.5	99	71 - 129	50.0	51.2	102	3	30
1,2-Dichloroethene(Total)	540-59-0	ND	10.0	100	99.2	99	74 - 128	100	99.7	100	1	30
1,2-Dichloropropane	78-87-5	ND	5.00	50.0	43.6	87	72 - 128	50.0	45.2	90	4	30
1,3,5-Trimethylbenzene	108-67-8	ND	5.00	50.0	46.5	93	71 - 132	50.0	47.9	96	3	30
1,3-Dichlorobenzene	541-73-1	ND	5.00	50.0	45.0	90	74 - 126	50.0	47.3	95	5	30
1,3-Dichloropropane	142-28-9	ND	5.00	50.0	46.9	94	74 - 122	50.0	48.8	98	4	30
1,4-Dichlorobenzene	106-46-7	ND	5.00	50.0	44.3	89	72 - 122	50.0	45.7	91	3	30
2,2-Dichloropropane	594-20-7	ND	5.00	50.0	52.7	105	77 - 124	50.0	52.0	104	1	30
2-Butanone	78-93-3	ND	5.00	50.0	39.9	80	58 - 137	50.0	43.2	86	8	30
2-Chlorotoluene	95-49-8	ND	5.00	50.0	43.2	86	72 - 127	50.0	44.6	89	3	30
2-Hexanone	591-78-6	ND	5.00	50.0	38.1	76	50 - 135	50.0	42.5	85	11	30
4-Chlorotoluene	106-43-4	ND	5.00	50.0	45.5	91	75 - 126	50.0	45.8	92	1	30
4-Isopropyltoluene	99-87-6	ND	5.00	50.0	49.7	99	71 - 129	50.0	49.7	99	0	30
4-Methyl-2-pentanone	108-10-1	ND	5.00	50.0	42.0	84	57 - 132	50.0	45.8	92	9	30
Acetone	67-64-1	ND	5.00	50.0	43.5	87	44 - 156	50.0	47.4	95	9	30
Benzene	71-43-2	ND	5.00	50.0	46.1	92	70 - 129	50.0	46.6	93	1	20
Bromobenzene	108-86-1	ND	5.00	50.0	44.0	88	71 - 120	50.0	45.9	92	4	30
Bromochloromethane	74-97-5	ND	5.00	50.0	48.9	98	76 - 130	50.0	50.4	101	3	30
Bromodichloromethane	75-27-4	ND	5.00	50.0	49.9	100	74 - 125	50.0	50.5	101	1	30
Bromoform	75-25-2	ND	5.00	50.0	49.2	98	64 - 122	50.0	51.3	103	4	30
Bromomethane	74-83-9	ND	5.00	50.0	52.3	105	47 - 138	50.0	56.2	112	7	30
Carbon disulfide	75-15-0	ND	5.00	50.0	48.0	96	69 - 136	50.0	48.3	97	1	30
Carbon tetrachloride	56-23-5	ND	5.00	50.0	52.5	105	76 - 128	50.0	52.8	106	1	30
Chlorobenzene	108-90-7	ND	5.00	50.0	45.1	90	74 - 123	50.0	45.4	91	1	20
Chloroethane	75-00-3	ND	5.00	50.0	47.5	95	62 - 141	50.0	47.5	95	0	30
Chloroform	67-66-3	ND	5.00	50.0	48.3	97	75 - 122	50.0	47.9	96	1	30
Chloromethane	74-87-3	ND	5.00	50.0	45.0	90	59 - 132	50.0	49.7	99	10	30
cis-1,2-Dichloroethene	156-59-2	ND	5.00	50.0	49.8	100	73 - 130	50.0	50.2	100	1	30
cis-1,3-Dichloropropene	10061-01-5	ND	5.00	50.0	44.5	89	71 - 132	50.0	45.7	91	3	30
Dibromochloromethane	124-48-1	ND	5.00	50.0	46.8	94	71 - 123	50.0	48.7	97	4	30
Dibromomethane	74-95-3	ND	5.00	50.0	50.2	100	72 - 129	50.0	52.2	104	4	30
Dichlorodifluoromethane	75-71-8	ND	5.00	50.0	53.1	106	58 - 140	50.0	54.2	108	2	30
Ethylbenzene	100-41-4	ND	5.00	50.0	46.2	92	74 - 126	50.0	45.5	91	2	30
Hexachlorobutadiene	87-68-3	ND	5.00	50.0	52.9	106	61 - 144	50.0	52.9	106	0	30
Isopropylbenzene (Cumene)	98-82-8	ND	5.00	50.0	51.6	103	71 - 125	50.0	51.7	103	0	30
m,p-Xylene	136777-61-2	ND	10.0	100	91.9	92	74 - 126	100	92.0	92	0	30
Methylene chloride	75-09-2	ND	5.00	50.0	44.7	89	68 - 132	50.0	45.8	92	2	30
Naphthalene	91-20-3	ND	5.00	50.0	35.9	72	57 - 138	50.0	41.8	84	15	35
n-Butylbenzene	104-51-8	ND	5.00	50.0	49.0	98	69 - 134	50.0	49.4	99	1	30
n-Propylbenzene	103-65-1	ND	5.00	50.0	43.7	87	75 - 129	50.0	44.2	88	1	30
o-Xylene	95-47-6	ND	5.00	50.0	45.4	91	73 - 130	50.0	46.4	93	2	30
sec-Butylbenzene	135-98-8	ND	5.00	50.0	46.9	94	70 - 136	50.0	46.4	93	1	30
Styrene	100-42-5	ND	5.00	50.0	44.5	89	71 - 127	50.0	45.4	91	2	30
tert-Butyl methyl ether (MTBE)	1634-04-4	ND	5.00	50.0	45.5	91	71 - 125	50.0	47.9	96	5	30
tert-Butylbenzene	98-06-6	ND	5.00	50.0	44.2	88	72 - 126	50.0	45.5	91	3	30
Tetrachloroethene	127-18-4	ND	5.00	50.0	49.7	99	68 - 128	50.0	49.9	100	0	30
Toluene	108-88-3	ND	5.00	50.0	43.9	88	72 - 120	50.0	44.5	89	1	20
trans-1,2-Dichloroethene	156-60-5	ND	5.00	50.0	49.4	99	69 - 132	50.0	49.5	99	0	30
trans-1,3-Dichloropropene	10061-02-6	ND	5.00	50.0	45.1	90	71 - 131	50.0	46.5	93	3	30
trans-1,4-Dichloro-2-butene	110-57-6	ND	5.00	50.0	49.4	99	56 - 132	50.0	52.9	106	7	30
Trichloroethene	79-01-6	ND	5.00	50.0	50.0	100	76 - 129	50.0	49.7	99	1	20
Trichlorofluoromethane	75-69-4	ND	5.00	50.0	57.6	115	72 - 136	50.0	58.0	116	1	30
Trichlorotrifluoroethane	76-13-1	ND	5.00	50.0	55.0	110	72 - 136	50.0	53.6	107	3	30
Vinyl chloride	75-01-4	ND	2.00	50.0	50.1	100	68 - 132	50.0	51.8	104	3	30
Xylene (total)	1330-20-7	ND	15.0	150	137	91	74 - 127	150	138	92	1	30
Surrogate												
1,2-Dichloroethane-d4	17060-07-0	52.8	106	50	54.5	109	71 - 127	50	53.5	107	NA	NA
4-Bromofluorobenzene	460-00-4	50.3	101	50	55.7	111	78 - 130	50	55.8	112	NA	NA

GC/MS Volatiles QC Summary

Analytical Batch 607570	Client ID	MB607570		LCS607570				LCSD607570				
	GCAL ID	1670590		1670591				1670592				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	04/03/2017 12:59		04/03/2017 10:15				04/03/2017 10:38				
	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
Dibromofluoromethane	1868-53-7	53.1	106	50	52.6	105	77 - 127	50	52.2	104	NA	NA
Toluene d8	2037-26-5	51.6	103	50	48.9	98	76 - 134	50	48.5	97	NA	NA

Analytical Batch 607660	Client ID	MB607660		LCS607660				LCSD607660				
	GCAL ID	1670895		1670896				1670897				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	04/04/2017 11:36		04/04/2017 10:11				04/04/2017 10:32				
	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	48.1	96	75 - 124	50.0	50.4	101	5	30
1,1,1-Trichloroethane	71-55-6	ND	5.00	50.0	51.7	103	76 - 126	50.0	48.9	98	6	30
1,1,2,2-Tetrachloroethane	79-34-5	ND	5.00	50.0	53.5	107	70 - 122	50.0	55.9	112	4	30
1,1,2-Trichloroethane	79-00-5	ND	5.00	50.0	45.1	90	72 - 121	50.0	48.2	96	7	30
1,1-Dichloroethane	75-34-3	ND	5.00	50.0	53.8	108	74 - 127	50.0	50.8	102	6	30
1,1-Dichloroethene	75-35-4	ND	5.00	50.0	54.7	109	69 - 129	50.0	46.3	93	17	20
1,1-Dichloropropene	563-58-6	ND	5.00	50.0	55.2	110	72 - 131	50.0	51.8	104	6	30
1,2,3-Trichloropropane	96-18-4	ND	5.00	50.0	51.3	103	70 - 120	50.0	52.9	106	3	30
1,2,4-Trichlorobenzene	120-82-1	ND	5.00	50.0	46.6	93	61 - 135	50.0	47.1	94	1	30
1,2,4-Trimethylbenzene	95-63-6	ND	5.00	50.0	52.4	105	74 - 125	50.0	49.6	99	5	30
1,2-Dibromo-3-chloropropane	96-12-8	ND	5.00	50.0	47.9	96	57 - 121	50.0	49.5	99	3	30
1,2-Dibromoethane	106-93-4	ND	5.00	50.0	47.3	95	70 - 124	50.0	48.1	96	2	30
1,2-Dichlorobenzene	95-50-1	ND	5.00	50.0	53.0	106	71 - 126	50.0	50.7	101	4	30
1,2-Dichloroethane	107-06-2	ND	5.00	50.0	52.4	105	71 - 129	50.0	53.8	108	3	30
1,2-Dichloroethene(Total)	540-59-0	ND	10.0	100	105	105	74 - 128	100	99.1	99	6	30
1,2-Dichloropropane	78-87-5	ND	5.00	50.0	48.1	96	72 - 128	50.0	47.7	95	1	30
1,3,5-Trimethylbenzene	108-67-8	ND	5.00	50.0	52.7	105	71 - 132	50.0	49.0	98	7	30
1,3-Dichlorobenzene	541-73-1	ND	5.00	50.0	53.4	107	74 - 126	50.0	50.0	100	7	30
1,3-Dichloropropane	142-28-9	ND	5.00	50.0	46.1	92	74 - 122	50.0	47.1	94	2	30
1,4-Dichlorobenzene	106-46-7	ND	5.00	50.0	51.7	103	72 - 122	50.0	51.5	103	0	30
2,2-Dichloropropane	594-20-7	ND	5.00	50.0	56.8	114	77 - 124	50.0	53.3	107	6	30
2-Butanone	78-93-3	ND	5.00	50.0	53.4	107	58 - 137	50.0	57.5	115	7	30
2-Chlorotoluene	95-49-8	ND	5.00	50.0	56.2	112	72 - 127	50.0	53.0	106	6	30
2-Hexanone	591-78-6	ND	5.00	50.0	49.9	100	50 - 135	50.0	58.6	117	16	30
4-Chlorotoluene	106-43-4	ND	5.00	50.0	55.1	110	75 - 126	50.0	52.9	106	4	30
4-Isopropyltoluene	99-87-6	ND	5.00	50.0	51.1	102	71 - 129	50.0	47.4	95	8	30
4-Methyl-2-pentanone	108-10-1	ND	5.00	50.0	48.8	98	57 - 132	50.0	53.3	107	9	30
Acetone	67-64-1	ND	5.00	50.0	41.2	82	44 - 156	50.0	44.8	90	8	30
Benzene	71-43-2	ND	5.00	50.0	53.9	108	70 - 129	50.0	51.5	103	5	20
Bromobenzene	108-86-1	ND	5.00	50.0	50.9	102	71 - 120	50.0	48.9	98	4	30
Bromochloromethane	74-97-5	ND	5.00	50.0	50.0	100	76 - 130	50.0	46.2	92	8	30
Bromodichloromethane	75-27-4	ND	5.00	50.0	51.1	102	74 - 125	50.0	50.6	101	1	30
Bromoform	75-25-2	ND	5.00	50.0	49.3	99	64 - 122	50.0	51.1	102	4	30
Bromomethane	74-83-9	ND	5.00	50.0	43.7	87	47 - 138	50.0	44.2	88	1	30
Carbon disulfide	75-15-0	ND	5.00	50.0	55.4	111	69 - 136	50.0	47.7	95	15	30
Carbon tetrachloride	56-23-5	ND	5.00	50.0	51.9	104	76 - 128	50.0	49.6	99	5	30
Chlorobenzene	108-90-7	ND	5.00	50.0	44.0	88	74 - 123	50.0	45.3	91	3	20
Chloroethane	75-00-3	ND	5.00	50.0	52.6	105	62 - 141	50.0	50.2	100	5	30
Chloroform	67-66-3	ND	5.00	50.0	49.1	98	75 - 122	50.0	46.7	93	5	30
Chloromethane	74-87-3	ND	5.00	50.0	42.6	85	59 - 132	50.0	41.8	84	2	30
cis-1,2-Dichloroethene	156-59-2	ND	5.00	50.0	52.1	104	73 - 130	50.0	50.6	101	3	30
cis-1,3-Dichloropropene	10061-01-5	ND	5.00	50.0	55.1	110	71 - 132	50.0	54.6	109	1	30
Dibromochloromethane	124-48-1	ND	5.00	50.0	47.3	95	71 - 123	50.0	49.6	99	5	30
Dibromomethane	74-95-3	ND	5.00	50.0	49.5	99	72 - 129	50.0	49.3	99	0	30
Dichlorodifluoromethane	75-71-8	ND	5.00	50.0	59.1	118	58 - 140	50.0	56.1	112	5	30
Ethylbenzene	100-41-4	ND	5.00	50.0	51.3	103	74 - 126	50.0	51.9	104	1	30

GC/MS Volatiles QC Summary

Analytical Batch 607660	Client ID	MB607660		LCS607660				LCSD607660				
	GCAL ID	1670895		1670896				1670897				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	04/04/2017 11:36		04/04/2017 10:11				04/04/2017 10:32				
	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
Hexachlorobutadiene	87-68-3	ND	5.00	50.0	52.9	106	61 - 144	50.0	51.9	104	2	30
Isopropylbenzene (Cumene)	98-82-8	ND	5.00	50.0	48.0	96	71 - 125	50.0	47.2	94	2	30
m,p-Xylene	136777-61-2	ND	10.0	100	92.3	92	74 - 126	100	93.3	93	1	30
Methylene chloride	75-09-2	ND	5.00	50.0	43.7	87	68 - 132	50.0	43.7	87	0	30
Naphthalene	91-20-3	ND	5.00	50.0	42.6	85	57 - 138	50.0	47.1	94	10	35
n-Butylbenzene	104-51-8	ND	5.00	50.0	60.4	121	69 - 134	50.0	57.5	115	5	30
n-Propylbenzene	103-65-1	ND	5.00	50.0	56.6	113	75 - 129	50.0	52.8	106	7	30
o-Xylene	95-47-6	ND	5.00	50.0	43.9	88	73 - 130	50.0	45.6	91	4	30
sec-Butylbenzene	135-98-8	ND	5.00	50.0	53.4	107	70 - 136	50.0	48.9	98	9	30
Styrene	100-42-5	ND	5.00	50.0	45.7	91	71 - 127	50.0	46.4	93	2	30
tert-Butyl methyl ether (MTBE)	1634-04-4	ND	5.00	50.0	48.6	97	71 - 125	50.0	50.1	100	3	30
tert-Butylbenzene	98-06-6	ND	5.00	50.0	58.6	117	72 - 126	50.0	55.6	111	5	30
Tetrachloroethene	127-18-4	ND	5.00	50.0	49.3	99	68 - 128	50.0	46.5	93	6	30
Toluene	108-88-3	ND	5.00	50.0	47.5	95	72 - 120	50.0	47.7	95	0	20
trans-1,2-Dichloroethene	156-60-5	ND	5.00	50.0	52.5	105	69 - 132	50.0	48.6	97	8	30
trans-1,3-Dichloropropene	10061-02-6	ND	5.00	50.0	56.9	114	71 - 131	50.0	58.5	117	3	30
trans-1,4-Dichloro-2-butene	110-57-6	ND	5.00	50.0	53.8	108	56 - 132	50.0	58.0	116	8	30
Trichloroethene	79-01-6	ND	5.00	50.0	47.4	95	76 - 129	50.0	47.5	95	0	20
Trichlorofluoromethane	75-69-4	ND	5.00	50.0	56.7	113	72 - 136	50.0	53.1	106	7	30
Trichlorotrifluoroethane	76-13-1	ND	5.00	50.0	58.3	117	72 - 136	50.0	51.7	103	12	30
Vinyl chloride	75-01-4	ND	2.00	50.0	47.1	94	68 - 132	50.0	43.5	87	8	30
Xylene (total)	1330-20-7	ND	15.0	150	136	91	74 - 127	150	139	93	2	30
Surrogate												
1,2-Dichloroethane-d4	17060-07-0	49	98	50	48.5	97	71 - 127	50	49.5	99	NA	NA
4-Bromofluorobenzene	460-00-4	49.9	100	50	47.8	96	78 - 130	50	50.6	101	NA	NA
Dibromofluoromethane	1868-53-7	50.5	101	50	49.4	99	77 - 127	50	47.2	94	NA	NA
Toluene d8	2037-26-5	51.2	102	50	45.1	90	76 - 134	50	47.6	95	NA	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: 4912 - Clearwater Environmental Resources
SDG: 217040109
PM: SAB3

Report to:
Client: Clearwater Env. Resources
Address: 3870 P'Tree Ind. Blvd, Duluth GA 30096
Contact: Jack Wuttle
Phone: 678-491-4601
E-mail: jack.wuttle@clearwaterenv.net

Bill to:
Client:
Address: Ste. 340139
Contact: SAA
Phone:
E-mail:

P.O. Number
Project Name/Number: RAYLOC
Sampled By: Perry Fry // Clearwater

Analytical Requests & Method: VOCs w/a 8260

GCAL use only:
Custody Seal used ☐ yes ☐ no intact ☐ yes ☐ no
Temperature °C 1.0 E29
24 CPM

☐ Dissolved Analysis Requested
☐ Field filtered
☐ Lab filtered

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	No Containers	VOCs w/a 8260	Preservative
W	3/29	1150		X	MW-7C 30'	3	X	1
		1127		X	MW-12C 60'	3	X	2
		1110		X	MW-15C 30'	3	X	3
		1054		X	MW-17C 30'	3	X	4
		1101		X	MW-19C 30'	3	X	5
		1204		X	MW-20C 60'	3	X	6
		1325		X	MW-21C 60'	3	X	7
		1320		X	MW-22C 60'	3	X	8
		1312		X	MW-23C 60'	3	X	9
		1135		X	MW-24C 30'	3	X	10
		1158		X	PT-3 C 60'	3	X	11
					TRIP BLANK	2		12

Air Bill No: 7787 9248 9333

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:
[signature]	3/30/17	0941	Hugo Alvez	3/30/17	9:41
Brad Buchanan	3/31/17	1410	Fedex		
Fed Ex	4/1/17	10:00	[signature]	4/1/17	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

217040109

SAMPLE DELIVERY GROUP 217040109	
Client PM SAB3 4912 - Clearwater Environmental Resources	**Transport Method** FED EX
Profile Number 259985	**Received By** Savage, Tiffany R
Line Item(s) 1 - VOC	**Receive Date(s)** 04/01/17

CHECKLIST	YES	NO	NA
Samples received with proper thermal and chemical preservation?	☑	☐	☐
Radioactivity is <1600 cpm? If no, record cpm value in notes section.	☑	☐	☐
When used, were custody seals intact?	☑	☐	☐
COC relinquished and complete (including sample IDs, collect dates/times, and sampler name)?	☑	☐	☐
Short holds or RUSH samples received?	☐	☑	☐
All containers received in good condition and within hold time?	☑	☐	☐
All sample labels and containers received match the chain of custody?	☑	☐	☐
Preservation checked at receipt? Exceptions: VOC, Coliform, TOC, Oil and Grease, DOC	☐	☐	☑
Preservative added to any containers?	☐	☐	☑
VOC water containers received with headspace < 6mm?	☑	☐	☐
Received filtered sample volume for dissolved analysis?	☐	☐	☑
Trip blank present in all coolers containing VOC waters?	☑	☐	☐
Samples collected in containers provided by GCAL?	☑	☐	☐

COOLERS

Airbill	Thermometer ID: E29	Temp(°C)
7787 9248 9333		1.0

DISCREPANCIES

None

LAB PRESERVATIONS

None

NOTES

Revision 1.6

Page 1 of 1

APPENDIX C
MARCH & JUNE 2017
GROUNDWATER SAMPLING LOGS

Groundwater Sampling Logsheet - PDBs

Rayloc Facility

HSI# 10547

SAMPLE ID	MW-7
PDB BRAND NAME	Equilibrator
SAMPLE DEPTH	30'
SCREENED INTERVAL	25' - 35'
DEPLOYMENT DATE	6/9/17
DEPLOYMENT DTW	26.12
RECOVERY DATE	6/29/17
RECOVERY DTW	26.17
CONDITION OF PDB	GOOD

SAMPLE ID	MW-12
PDB BRAND NAME	Equilibrator
SAMPLE DEPTH	60'
SCREENED INTERVAL	26' - 96'
DEPLOYMENT DATE	6/9/17
DEPLOYMENT DTW	27.04
RECOVERY DATE	6/29/17
RECOVERY DTW	27.14
CONDITION OF PDB	GOOD

SAMPLE ID	MW-15
PDB BRAND NAME	Equilibrator
SAMPLE DEPTH	30'
SCREENED INTERVAL	5' - 40'
DEPLOYMENT DATE	6/9/17
DEPLOYMENT DTW	9.68
RECOVERY DATE	6/29/17
RECOVERY DTW	9.74
CONDITION OF PDB	GOOD

SAMPLE ID	MW-17
PDB BRAND NAME	Equilibrator
SAMPLE DEPTH	30'
SCREENED INTERVAL	5' - 31'
DEPLOYMENT DATE	6/9/17
DEPLOYMENT DTW	8.57
RECOVERY DATE	6/29/17
RECOVERY DTW	8.55
CONDITION OF PDB	GOOD

SAMPLE ID	MW-19
PDB BRAND NAME	Equilibrator
SAMPLE DEPTH	30'
SCREENED INTERVAL	10' - 35'
DEPLOYMENT DATE	6/9/17
DEPLOYMENT DTW	7.92
RECOVERY DATE	6/29/17
RECOVERY DTW	7.95
CONDITION OF PDB	GOOD

SAMPLE ID	MW-20
PDB BRAND NAME	Equilibrator
SAMPLE DEPTH	60'
SCREENED INTERVAL	20' - 70'
DEPLOYMENT DATE	6/9/17
DEPLOYMENT DTW	22.05
RECOVERY DATE	6/29/17
RECOVERY DTW	22.10
CONDITION OF PDB	GOOD

Sampler Signature  Sample Date 6/30/17

Groundwater Sampling Logsheet - PDBs

Rayloc Facility
HSI# 10547

SAMPLE ID	MW-21
PDB BRAND NAME	Equilibrator
SAMPLE DEPTH	60'
SCREENED INTERVAL	40' - 75'
DEPLOYMENT DATE	6/9/17
DEPLOYMENT DTW	46.92
RECOVERY DATE	6/29/17
RECOVERY DTW	46.96
CONDITION OF PDB	GOOD

SAMPLE ID	MW-22
PDB BRAND NAME	Equilibrator
SAMPLE DEPTH	60'
SCREENED INTERVAL	40' - 70'
DEPLOYMENT DATE	6/9/17
DEPLOYMENT DTW	45.02
RECOVERY DATE	6/29/17
RECOVERY DTW	45.08
CONDITION OF PDB	GOOD

SAMPLE ID	MW-23
PDB BRAND NAME	Equilibrator
SAMPLE DEPTH	60'
SCREENED INTERVAL	30' - 60'
DEPLOYMENT DATE	6/9/17
DEPLOYMENT DTW	49.76
RECOVERY DATE	6/29/17
RECOVERY DTW	49.78
CONDITION OF PDB	GOOD

SAMPLE ID	MW-24
PDB BRAND NAME	Equilibrator
SAMPLE DEPTH	30'
SCREENED INTERVAL	25' - 35'
DEPLOYMENT DATE	6/9/17
DEPLOYMENT DTW	23.40
RECOVERY DATE	6/29/17
RECOVERY DTW	23.49
CONDITION OF PDB	GOOD

SAMPLE ID	MW-25
PDB BRAND NAME	Equilibrator
SAMPLE DEPTH	30'
SCREENED INTERVAL	20' - 40'
DEPLOYMENT DATE	
DEPLOYMENT DTW	NO SAMPLE
RECOVERY DATE	
RECOVERY DTW	
CONDITION OF PDB	

SAMPLE ID	MW-26
PDB BRAND NAME	Equilibrator
SAMPLE DEPTH	30'
SCREENED INTERVAL	25' - 30'
DEPLOYMENT DATE	6/9/17
DEPLOYMENT DTW	10.46
RECOVERY DATE	6/29/17
RECOVERY DTW	10.49
CONDITION OF PDB	GOOD

Sampler Signature [signature] Sample Date 6/30/17

Groundwater Sampling Logsheet - PDBs

Rayloc Facility

HSI# 10547

SAMPLE ID	PT-3	SAMPLE ID	
PDB BRAND NAME	Equilibrator	PDB BRAND NAME	
SAMPLE DEPTH	60'	SAMPLE DEPTH	
SCREENED INTERVAL	12.6' - 67.6'	SCREENED INTERVAL	
DEPLOYMENT DATE	6/9/17	DEPLOYMENT DATE	
DEPLOYMENT DTW	22.60	DEPLOYMENT DTW	
RECOVERY DATE	6/29/17	RECOVERY DATE	
RECOVERY DTW	22.68	RECOVERY DTW	
CONDITION OF PDB	GOOD	CONDITION OF PDB	

SAMPLE ID		SAMPLE ID	
PDB BRAND NAME		PDB BRAND NAME	
SAMPLE DEPTH		SAMPLE DEPTH	
SCREENED INTERVAL		SCREENED INTERVAL	
DEPLOYMENT DATE		DEPLOYMENT DATE	
DEPLOYMENT DTW		DEPLOYMENT DTW	
RECOVERY DATE		RECOVERY DATE	
RECOVERY DTW		RECOVERY DTW	
CONDITION OF PDB		CONDITION OF PDB	

SAMPLE ID		SAMPLE ID	
PDB BRAND NAME		PDB BRAND NAME	
SAMPLE DEPTH		SAMPLE DEPTH	
SCREENED INTERVAL		SCREENED INTERVAL	
DEPLOYMENT DATE		DEPLOYMENT DATE	
DEPLOYMENT DTW		DEPLOYMENT DTW	
RECOVERY DATE		RECOVERY DATE	
RECOVERY DTW		RECOVERY DTW	
CONDITION OF PDB		CONDITION OF PDB	

Sampler Signature ____________ Sample Date 6/30/17

Groundwater Sampling Logsheet - PDBs

Rayloc Facility
HSI# 10547

SAMPLE ID	MW-7
PDB BRAND NAME	Equilibrator
SAMPLE DEPTH	30'
SCREENED INTERVAL	25' - 35'
DEPLOYMENT DATE	3/9/17
DEPLOYMENT DTW	25.87
RECOVERY DATE	3/29/17
RECOVERY DTW	25.90
CONDITION OF PDB	GOOD

SAMPLE ID	MW-12
PDB BRAND NAME	Equilibrator
SAMPLE DEPTH	60'
SCREENED INTERVAL	26' - 96'
DEPLOYMENT DATE	3/9/17
DEPLOYMENT DTW	25.46
RECOVERY DATE	3/29/17
RECOVERY DTW	25.52
CONDITION OF PDB	GOOD

SAMPLE ID	MW-15
PDB BRAND NAME	Equilibrator
SAMPLE DEPTH	30'
SCREENED INTERVAL	5' - 40'
DEPLOYMENT DATE	3/9/17
DEPLOYMENT DTW	5.92
RECOVERY DATE	3/29/17
RECOVERY DTW	5.98
CONDITION OF PDB	GOOD

SAMPLE ID	MW-17
PDB BRAND NAME	Equilibrator
SAMPLE DEPTH	30'
SCREENED INTERVAL	5' - 31'
DEPLOYMENT DATE	3/9/17
DEPLOYMENT DTW	8.28
RECOVERY DATE	3/29/17
RECOVERY DTW	8.32
CONDITION OF PDB	GOOD

SAMPLE ID	MW-19
PDB BRAND NAME	Equilibrator
SAMPLE DEPTH	30'
SCREENED INTERVAL	10' - 35'
DEPLOYMENT DATE	3/9/17
DEPLOYMENT DTW	7.56
RECOVERY DATE	3/29/17
RECOVERY DTW	7.61
CONDITION OF PDB	GOOD

SAMPLE ID	MW-20
PDB BRAND NAME	Equilibrator
SAMPLE DEPTH	60'
SCREENED INTERVAL	20' - 70'
DEPLOYMENT DATE	3/9/17
DEPLOYMENT DTW	20.68
RECOVERY DATE	3/29/17
RECOVERY DTW	20.74
CONDITION OF PDB	GOOD

Sampler Signature Jack Wintle Sample Date 3/9/17

Groundwater Sampling Logsheet - PDBs

Rayloc Facility
HSI# 10547

SAMPLE ID	MW-21
PDB BRAND NAME	Equilibrator
SAMPLE DEPTH	60'
SCREENED INTERVAL	40' - 75'
DEPLOYMENT DATE	3/9/17
DEPLOYMENT DTW	45.80
RECOVERY DATE	3/29/17
RECOVERY DTW	45.86
CONDITION OF PDB	GOOD

SAMPLE ID	MW-22
PDB BRAND NAME	Equilibrator
SAMPLE DEPTH	60'
SCREENED INTERVAL	40' - 70'
DEPLOYMENT DATE	3/9/17
DEPLOYMENT DTW	44.61
RECOVERY DATE	3/29/17
RECOVERY DTW	44.67
CONDITION OF PDB	GOOD

SAMPLE ID	MW-23
PDB BRAND NAME	Equilibrator
SAMPLE DEPTH	60'
SCREENED INTERVAL	30' - 60'
DEPLOYMENT DATE	3/9/17
DEPLOYMENT DTW	49.72
RECOVERY DATE	3/29/17
RECOVERY DTW	49.78
CONDITION OF PDB	GOOD

SAMPLE ID	MW-24
PDB BRAND NAME	Equilibrator
SAMPLE DEPTH	30'
SCREENED INTERVAL	25' - 35'
DEPLOYMENT DATE	3/9/17
DEPLOYMENT DTW	23.20
RECOVERY DATE	3/29/17
RECOVERY DTW	23.26
CONDITION OF PDB	GOOD

SAMPLE ID	MW-25
PDB BRAND NAME	Equilibrator
SAMPLE DEPTH	30'
SCREENED INTERVAL	20' - 40'
DEPLOYMENT DATE	
DEPLOYMENT DTW	
RECOVERY DATE	
RECOVERY DTW	
CONDITION OF PDB	

NOT SAMPLED

SAMPLE ID	MW-26
PDB BRAND NAME	Equilibrator
SAMPLE DEPTH	30'
SCREENED INTERVAL	25' - 30'
DEPLOYMENT DATE	
DEPLOYMENT DTW	
RECOVERY DATE	
RECOVERY DTW	
CONDITION OF PDB	

NOT SAMPLED

Sampler Signature Jack Wintle Sample Date 3/9/17

Groundwater Sampling Logsheet - PDBs

Rayloc Facility

HSI# 10547

SAMPLE ID	PT-3	SAMPLE ID	
PDB BRAND NAME	Equilibrator	PDB BRAND NAME	
SAMPLE DEPTH	60'	SAMPLE DEPTH	
SCREENED INTERVAL	12.6' - 67.6'	SCREENED INTERVAL	
DEPLOYMENT DATE	3/9/17	DEPLOYMENT DATE	
DEPLOYMENT DTW	21.46	DEPLOYMENT DTW	
RECOVERY DATE	3/29/17	RECOVERY DATE	
RECOVERY DTW	21.49	RECOVERY DTW	
CONDITION OF PDB	GOOD	CONDITION OF PDB	

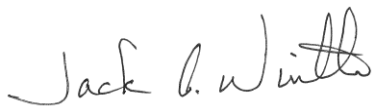
SAMPLE ID		SAMPLE ID	
PDB BRAND NAME		PDB BRAND NAME	
SAMPLE DEPTH		SAMPLE DEPTH	
SCREENED INTERVAL		SCREENED INTERVAL	
DEPLOYMENT DATE		DEPLOYMENT DATE	
DEPLOYMENT DTW		DEPLOYMENT DTW	
RECOVERY DATE		RECOVERY DATE	
RECOVERY DTW		RECOVERY DTW	
CONDITION OF PDB		CONDITION OF PDB	

SAMPLE ID		SAMPLE ID	
PDB BRAND NAME		PDB BRAND NAME	
SAMPLE DEPTH		SAMPLE DEPTH	
SCREENED INTERVAL		SCREENED INTERVAL	
DEPLOYMENT DATE		DEPLOYMENT DATE	
DEPLOYMENT DTW		DEPLOYMENT DTW	
RECOVERY DATE		RECOVERY DATE	
RECOVERY DTW		RECOVERY DTW	
CONDITION OF PDB		CONDITION OF PDB	

Sampler Signature Jack White Sample Date 3/9/17

CD CERTIFICATION

I certify that this electronic copy is complete, identical to the paper copy, and virus free.



Jack A. Wintle, P.G.
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Clearwater Environmental Resources, LLC