Groundwater Monitoring Report for the Former Holley Automotive/Coltec Industries Facility Water Valley, Mississippi

September 26, 2017

Prepared for: Mississippi Department of Environmental Quality
On Behalf of: EnPro Industries, Inc.

Prepared by: First Environment, Inc.
91 Fulton Street
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CERTIFICATION STATEMENT

I, Bernard T. Delaney, Ph.D., P.E., BCEE, certify that I am currently a registered professional engineer in the State of Mississippi and had primary direct responsibility for the implementation of the subject groundwater sampling. I certify that this Groundwater Monitoring Report was completed in conformance with the laws and regulations of the State of Mississippi. I certify that all information and statements in this certification form are true.

11041	09-26-2017	
Mississippi Professional Engineer No.	Date	B. Tod Delaney, Ph.D., P.E., BCEE

TABLE OF CONTENTS

TABLES

FIGURES

APPENDICES

1.0 Introduction

This Groundwater Monitoring Report has been prepared by First Environment, Inc. (First Environment) on behalf of EnPro Industries, Inc. (EnPro) with respect to the former Holley Automotive/Coltec Industries Facility (the "Plant") and known downgradient plume area wells (collectively referred to as the "Site"). The Plant is located at 600 State Highway 32 in Water Valley, Yalobusha County, Mississippi.

Between July 10 and 17, 2017, the First Environment team, consisting of W.L. Burle Engineers and First Environment, conducted groundwater sampling with First Environment's oversight. Groundwater samples were collected from a total of twenty-two (22) monitoring wells and analyzed for Volatile Organic Compounds (VOCs) using USEPA SW-846 Test Method 8260B. A map depicting the location of the Site and the monitoring wells sampled is attached as Figure 1.

2.0 Groundwater Sampling and Analysis

2.1 Selection of Wells

In December 2016, RJRudy LLC, former consultant for EnPro, submitted a Supplemental Assessment Activities and Results Report to the Mississippi Department of Environmental Quality ("MDEQ"), which included the results of the September 20 to October 31, 2016 groundwater sampling event. The results of that sampling event showed contamination migrating toward the western side of the plume with little or no concentrations detected toward the eastern side of the plume. Accordingly, on June 13, 2017, legal counsel for EnPro, in consultation with First Environment, proposed a subset of seventeen (17) monitoring wells, generally located on the western side of the plume, to be sampled in July 2017. On June 19, 2017, the MDEQ approved the proposed subset of wells, and requested that eight (8) additional wells be sampled. The twenty-five (25) wells selected for the July 2017 groundwater sampling event are presented in Table 1 below.

Of the twenty-five (25) monitoring wells selected for sampling, only twenty-two (22) were sampled due to access issues or property damage concerns. Access was not granted to MW-40 by the property owner. Monitoring wells MW-31S and MW-31D were not sampled due to the concerns of potentially damaging the soybean crops present in the field where the monitoring wells are located.

Table 1		
#	Well ID	Owner of Well
1	8D	BorgWarner
2	8S	BorgWarner
3	10	Childs
4	12	Childs
5	20	BorgWarner
6	25D	Childs
7	25S	Childs
8	27	BorgWarner
9	30D	BorgWarner
10	30S	BorgWarner
11	31D	B. Johnsey/Childs
12	31S	B. Johnsey/Childs
13	35	BorgWarner
14	38D	JL Oliphant
15	38S	JL Oliphant
16	40	Doris Crawford
17	42	County
18	43	James Spence
19	44	County
20	45	2 Hill LLC
21	46	Lynn Finch
22	49	City
23	52	BorgWarner
24	53	Childs
25	NDW-2	BorgWarner

2.2 Methodology

The July groundwater sampling was conducted between July 10 and 17, 2017. The First Environment team consisted of four persons – three sampling technicians (W.L. Burle Engineers) and one field manager (First Environment). Prior to the commencement of work, each team member reviewed the health and safety plan for the project and was advised of any unique hazards for the work to be conducted on that day (heat, rain/storm events, community

concerns, biological pests, etc.). Each well location was accessed by driving the team vehicles to a safe perimeter around the well. Within the perimeter, a command zone, decontamination zone, and work zone were established. Any invasive vegetation that blocked access to the well was cleared using a machete.

The sampling technicians approached each well, confirmed its identity, and proceeded to remove its protective and inner caps. Immediately upon removing the well caps, headspace vapor analysis was conducted with a hand-held photoionization detector (PID). The PID readings are listed in Table 2. The groundwater levels were allowed to stabilize for a minimum of 15 minutes after which a water interface probe was lowered into the well to determine the depth-to-water (DTW) and total well depth (TWD). The DTW is presented in Table 3. Unless the well was specifically marked, these measurements were taken consistently from the north edge of the well casing. Using this information, the standing pore volume of groundwater within the well casing/screen was calculated. Based on the calculated pore volume, an optimum purging rate was determined for sampling, which would be maintained between 100 – 500mL/min while keeping drawdown stable.

Teflon tubing (0.25 inch) was then measured and lowered into the screened interval to a depth of five feet from the TWD. The tubing was connected to a Geotech Series II peristaltic pump and routed to a flow cell with a Horiba U-52 water quality probe. The well was purged using the peristaltic pump until one pore volume had been purged from the well. Concurrently, each well was monitored using the Horiba U-52 for pH, Specific Conductivity (µS/cm), Turbidity (NTU), and Dissolved Oxygen (DO; mg/l and percent saturation) until these parameters were stabilized. This stabilization was considered complete when pH was within 0.1, Specific Conductivity was within 5 percent, Turbidity was below 10 NTUs or within 10 percent, and DO was within 0.2 mg/L or 10 percent saturation, whichever is greater, after three consecutive measurements at 10-minute intervals. If stabilization did not occur, the wells were sampled after three pore volumes had been purged. Due to the high water volume at NDW-2, submersible pumps were needed to remove five pore volumes before sampling. The Well Purging – Field Water Quality Measurements forms are attached in Appendix A.

After the aforementioned parameters were stabilized, the wells were sampled using the “soda straw method” - the peristaltic pump was powered off and the tubing removed from the well. The peristaltic pump was then reversed and the water entrained in the tubing was subsequently

dispensed into applicable sample containers. Due to the groundwater level at MW-42 (30.49 ft.), the sample was collected using a Teflon bailer.

All monitoring wells, and additionally an effluent sample from the Plant's existing groundwater treatment system, were sampled for VOCs and analyzed using EPA method SW-846 Test Method 8260B using three 40 mL vials with HCl preservative. Quality Assurance/Quality Control (QA/QC) samples were also obtained, including two duplicate samples and a trip blank from Gulf Coast Analytical Laboratories LLC (GCAL). All samples collected were preserved on ice (4°C) and shipped to GCAL via FedEx (next-day delivery).

2.3 Health and Safety

A site-specific health and safety plan ("HASP") is provided as Appendix B of this report.

2.4 Results

Table 4 presents the groundwater sampling results for all analytes. Table 5 presents the results of trichloroethene (TCE), cis-1,2-dichloroethene (cis-DCE), and vinyl chloride (VC) (collectively, the "contaminants of concern" or "COCs"). Figure 2 presents the TCE concentrations. Figure 3 presents the cis-DCE concentrations. All VC concentrations were non-detect.

In general, the results for TCE show a slightly decreasing trend compared to the previous October 2016 sampling event. There is a slight increase in TCE concentrations in the downgradient edge of the plume, which is expected due to the continuing migration of the plume. See Table 6 and Figure 4.

A copy of the laboratory report, including the chain-of-custody forms, is attached in Appendix C.

3.0 Investigation Derived Waste

All Investigation Derived Waste generated during the sampling event, which included non-hazardous PPE, disposable equipment, tubing, and plastic sheeting, etc. were double-bagged, sealed, and placed into off-site municipal dumpsters for disposal.

Purged groundwater generated during sampling activities was containerized in five-gallon containers with lids, which were periodically transported as non-hazardous wastewater to the holding tank of Groundwater Treatment System No. 2. Following completion of the sampling event, the Groundwater Treatment System No. 2 was powered on to treat the purged groundwater. Groundwater Treatment System No. 2 utilizes an air stripping tower for water treatment. The treated water was subsequently discharged through the existing NPDES outfall located a few hundred yards to the north in Otoucalofa Creek. During the sampling event, 534.25 gallons of purged water was generated and subsequently treated and discharged. At the time of treatment, the pH of the purged water was recorded to be 8.47 SU with a temperature of 83ºF. The flow rate of the treated groundwater discharge of the system was approximately 80 gpm. This information was reported to the MDEQ pursuant to the Plant's NPDES permit.

4.0 Quality Assurance/Quality Control

Field sample collection documentation with respect to laboratory sample submission and analysis was reviewed for accuracy and consistency. The laboratory report outlining the groundwater results was reviewed for sample completeness and consistency. The laboratory report included a case narrative, a summary of concentration results, internal QA/QC summaries, and chain-of-custody records.

All groundwater samples collected were analyzed in accordance with USEPA method 8260B. The majority of the samples collected during this sampling event contained elevated concentrations of some COCs, most of which required sample dilution for method detection and to preserve the integrity of the laboratory instruments. As a result of dilution, the method detection limit increased. However, this increase in the method detection limit did not affect the reported COC concentrations.

This laboratory report had one QC issue— the case narrative in the laboratory report identified an exceedance of control limit in Batch 614799 associated with sample MW-44. The laboratory control sample duplicate recovery for methylene chloride (134 percent) is above the upper control range limit (68-132 percent). However, methylene chloride was not detected in sample MW-44. Therefore, the data is considered valid.

5.0 Proposed Future Groundwater Monitoring Program

Based on the results of the groundwater sampling events conducted to date depicted in Table 6 and Figure 4, First Environment proposes to sample the twenty-five (25) wells listed in Table 1 on an annual basis beginning in the first quarter of 2018 (March of 2018). This proposal is based on the July 2017 sampling event, along with the previous groundwater sampling results which, for the most part, demonstrate the same order of magnitude of TCE concentrations and an overall decreasing trend of the plume. First Environment chose the first quarter on the basis of: (1) the wet season occurring within the February/March time period; and (2) the vegetation growth is minimal during these months in the agricultural fields, which helps locating and accessing the monitoring wells.

6.0 Summary

From July 10 to 17, 2017, the First Environment team collected twenty-two (22) groundwater samples from monitoring wells located throughout the Site. Three wells (MW-40, MW-31S, and MW-31D) were not sampled due to access issues or property damage concerns. The sampling methodology, sampling analytical results, well locations, and QA/QC review of the data are presented above. A recommended sampling program beginning with the first quarter of 2018 and an annual sampling event is proposed. First Environment requests that the MDEQ approve the proposed future groundwater monitoring program. The annual groundwater sampling results will be provided to the MDEQ on an ongoing basis based on sampling events to take place in the first quarter of every year.

TABLES

TABLE 2
MONITORING WELL PID READINGS
JULY 2017
FORMER HOLLEY AUTOMOTIVE/COLTEC INDUSTRIES FACILITY
WATER VALLEY, MS

SAMPLE LOCATION:	NDW-2	MW-8S	MW-8D	MW-10	MW-12	MW-20	MW-25S	MW-25D	MW-27	MW-30S	MW-30D	MW-35	MW-38S	MW-38D	MW-42	MW-43	MW-44	MW-45	MW-46	MW-49	MW-52	MW-53
SAMPLING DATE:	7/12/2017	7/11/2017	7/11/2017	7/13/2017	7/14/2017	7/10/2017	7/13/2017	7/13/2017	7/11/2017	7/10/2017	7/10/2017	7/10/2017	7/14/2017	7/14/2017	7/17/2017	7/12/2017	7/17/2017	7/12/2017	7/14/2017	7/12/2017	7/10/2017	7/13/2017
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
PID	0.0	0.2	0.9	1.4	1.8	NA	4.5	0.0	84.6	0.2	0.1	0.0	2.3	17.3	2.2	17.2	100.2	0.0	2.7	0.4	42.2	0.7

NA: Not Available; no cap on well

TABLE 3
DEPTH-TO-WATER
JULY 2017
FORMER HOLLEY AUTOMOTIVE/COLTEC INDUSTRIES FACILITY
WATER VALLEY, MS

SAMPLE LOCATION:	NDW-2	MW-8S	MW-8D	MW-10	MW-12	MW-20	MW-25S	MW-25D	MW-27	MW-30S	MW-30D	MW-35	MW-38S	MW-38D	MW-42	MW-43	MW-44	MW-45	MW-46	MW-49	MW-52	MW-53	DUP 01	DUP 02	TRIP BLANK
SAMPLING DATE:	7/12/2017	7/11/2017	7/11/2017	7/13/2017	7/14/2017	7/10/2017	7/13/2017	7/13/2017	7/11/2017	7/10/2017	7/10/2017	7/10/2017	7/14/2017	7/14/2017	7/17/2017	7/12/2017	7/17/2017	7/12/2017	7/14/2017	7/12/2017	7/10/2017	7/13/2017	7/10/2017	7/13/2017	7/10/2017
	(ft.)	(ft.)	(ft.)	(ft.)	(ft.)	(ft.)	(ft.)	(ft.)	(ft.)	(ft.)	(ft.)	(ft.)	(ft.)	(ft.)	(ft.)	(ft.)	(ft.)	(ft.)	(ft.)	(ft.)	(ft.)	(ft.)	(ft.)	(ft.)	(ft.)
Depth to water	7.33	6.68	6.70	4.05	8.85	6.26	16.13	15.93	9.42	12.98	10.94	14.68	24.33	24.62	30.49	13.30	22.54	7.25	8.17	12.13	10.98	6.04	NA	NA	NA

TABLE 4
MONITORING WELL SAMPLING RESULTS
JULY 2017
FORMER HOLLEY AUTOMOTIVE/COLTEC INDUSTRIES FACILITY
WATER VALLEY, MS

SAMPLE LOCATION:	NDW-2	MW-8S	MW-8D	MW-10	MW-12	MW-20	MW-25S	MW-25D	MW-27	MW-30S	MW-30D	MW-35	MW-38S	MW-38D	MW-42	MW-43	MW-44	MW-45	MW-46	MW-49	MW-52	MW-53	DUP 01	DUP 02	TRIP BLANK
SAMPLING DATE:	7/12/2017	7/11/2017	7/11/2017	7/13/2017	7/14/2017	7/10/2017	7/13/2017	7/13/2017	7/11/2017	7/10/2017	7/10/2017	7/10/2017	7/14/2017	7/14/2017	7/17/2017	7/12/2017	7/17/2017	7/12/2017	7/14/2017	7/12/2017	7/10/2017	7/13/2017	7/10/2017	7/13/2017	7/10/2017
Analyte	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
Trichloroethene (µg/L)	134.00	13,200.00	ND	5.46	21.70	1,080.00	ND	308.00	1,010.00	ND	13.60	227.00	ND	ND	172.00	660.00	1,180.00	ND	249.00	ND	9.83	184.00	887.00	259.00	ND
1,1-dichloroethene (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene (µg/L)	ND	2,250.00	ND	ND	ND	256.00	ND	36.40	190.00	ND	ND	ND	ND	ND	13.50	ND	65.90	ND	ND	ND	ND	21.80	139.00	22.80	ND
trans-1,2-dichloroethene (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane (µg/L)	ND	2,250.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene(Total) (µg/L)	ND	ND	ND	ND	ND	256.00	ND	ND	196.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	21.80	139.00	22.80	ND
1,2-Dichloropropane (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene (Cumene) (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 4
MONITORING WELL SAMPLING RESULTS
JULY 2017
FORMER HOLLEY AUTOMOTIVE/COLTEC INDUSTRIES FACILITY
WATER VALLEY, MS

SAMPLE LOCATION:	NDW-2	MW-8S	MW-8D	MW-10	MW-12	MW-20	MW-25S	MW-25D	MW-27	MW-30S	MW-30D	MW-35	MW-38S	MW-38D	MW-42	MW-43	MW-44	MW-45	MW-46	MW-49	MW-52	MW-53	DUP 01	DUP 02	TRIP BLANK
SAMPLING DATE:	7/12/2017	7/11/2017	7/11/2017	7/13/2017	7/14/2017	7/10/2017	7/13/2017	7/13/2017	7/11/2017	7/10/2017	7/10/2017	7/10/2017	7/14/2017	7/14/2017	7/17/2017	7/12/2017	7/17/2017	7/12/2017	7/14/2017	7/12/2017	7/10/2017	7/13/2017	7/10/2017	7/13/2017	7/10/2017
Analyte	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
Tetrachloroethene (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorotrifluoroethane (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylene (total) (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butyl methyl ether (MTBE) (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detectable to minimum detection limits.
DUP 01 - Duplicate sample from MW-20
DUP 02 - Duplicate sample from MW-53
NA - Not Applicable.

TABLE 5
MONITORING WELL SAMPLING RESULTS COCs
JULY 2017
FORMER HOLLEY AUTOMOTIVE/COLTEC INDUSTRIES FACILITY
WATER VALLEY, MS

SAMPLE LOCATION:	NDW-2	MW-8S	MW-8D	MW-10	MW-12	MW-20	MW-25S	MW-25D	MW-27	MW-30S	MW-30D	MW-35	MW-38S	MW-38D	MW-42	MW-43	MW-44	MW-45	MW-46	MW-49	MW-52	MW-53	DUP 01	DUP 02	TRIP BLANK
SAMPLING DATE:	7/12/2017	7/11/2017	7/11/2017	7/13/2017	7/14/2017	7/10/2017	7/13/2017	7/13/2017	7/11/2017	7/10/2017	7/10/2017	7/10/2017	7/14/2017	7/14/2017	7/17/2017	7/12/2017	7/17/2017	7/12/2017	7/14/2017	7/12/2017	7/10/2017	7/13/2017	7/10/2017	7/13/2017	7/10/2017
Analyte	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
Trichloroethene	134.00	13,200.00	ND	5.46	21.70	1,080.00	ND	308.00	1,010.00	ND	13.60	227.00	ND	ND	172.00	660.00	1,180.00	ND	249.00	ND	9.83	184.00	887.00	259.00	ND
cis-1,2-dichloroethene	ND	2,250.00	ND	ND	ND	256.00	ND	36.40	190.00	ND	ND	ND	ND	ND	13.50	ND	65.90	ND	ND	ND	ND	21.80	139.00	22.80	ND
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 6
MONITORING WELL SAMPLING RESULTS COMPARISON
OCTOBER 2016 AND JULY 2017
FORMER HOLLEY AUTOMOTIVE/COLTEC INDUSTRIES FACILITY
WATER VALLEY, MS

SAMPLE ID	SAMPLING DATE	CoC Concentrations (µg/L)	
		Trichloroethene	cis-1,2-Dichloroethene
	MDEQ TRG:	5	70
NDW-2	Oct-16	220	ND
	Jul-17	134.00	ND
MW-8S	Oct-16	15,300.00	2,810.00
	Jul-17	13,200.00	2,250.00
MW-8D	Oct-16	ND	ND
	Jul-17	ND	ND
MW-10	Oct-16	5.73	ND
	Jul-17	5.46	ND
MW-12	Oct-16	28.80	ND
	Jul-17	21.70	ND
MW-20	Oct-16	3,570.00	671.00
	Jul-17	1,080.00	256.00
MW-25S	Oct-16	ND	ND
	Jul-17	ND	ND
MW-25D	Oct-16	322.00	26.90
	Jul-17	308.00	36.40
MW-27	Oct-16	1,050.00	151.00
	Jul-17	1,010.00	190.00
MW-30S	Oct-16	ND	ND
	Jul-17	ND	ND
MW-30D	Oct-16	12.10	ND
	Jul-17	13.60	ND
MW-35	Oct-16	236.00	ND
	Jul-17	227.00	ND
MW-38S	Oct-16	8.11	ND
	Jul-17	ND	ND
MW-42	Oct-16	146.00	11.60
	Jul-17	172.00	13.50
MW-43	Oct-16	831.00	ND
	Jul-17	660.00	ND
MW-44	Oct-16	2,000.00	ND
	Jul-17	1,180.00	65.90
MW-45	Oct-16	ND	ND
	Jul-17	ND	ND
MW-46	Oct-16	232.00	ND
	Jul-17	249.00	ND
MW-49	Oct-16	ND	ND
	Jul-17	ND	ND
MW-52	Oct-16	5.97	ND
	Jul-17	9.83	ND
MW-53	Oct-16	185.00	20.40
	Jul-17	184.00	21.80

FIGURES

Legend

MW-30S: Monitoring Well

0 112.5 225 450 Feet

1 inch = 450 feet

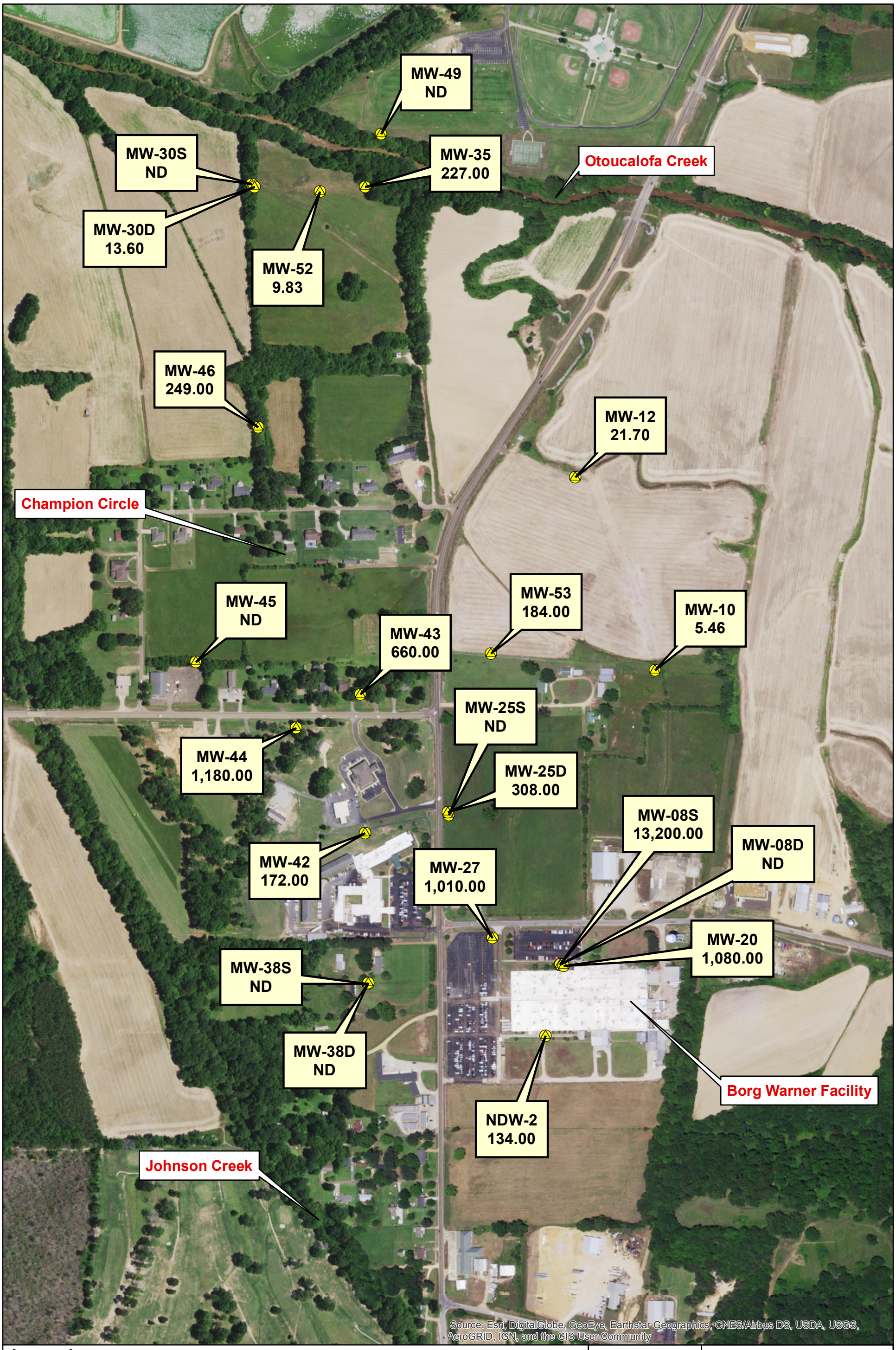
N W E S

FIRST ENVIRONMENT

91 Fulton Street
Boonton, New Jersey 07005

BORG WARNER FACILITY
600 Highway 32E, Water Valley, MS
FIGURE 1
MONITORING WELL LOCATIONS

Revised	Drawn	Checked	Approved	Date
	LS	IC	TCB	8/15/2017



Legend

MW-30S: Monitoring Well

13.60 TCE concentration in ug/L as of July 2017

ND Concentration not detected above laboratory reported limits

0 112.5 225 450 Feet

1 inch = 450 feet

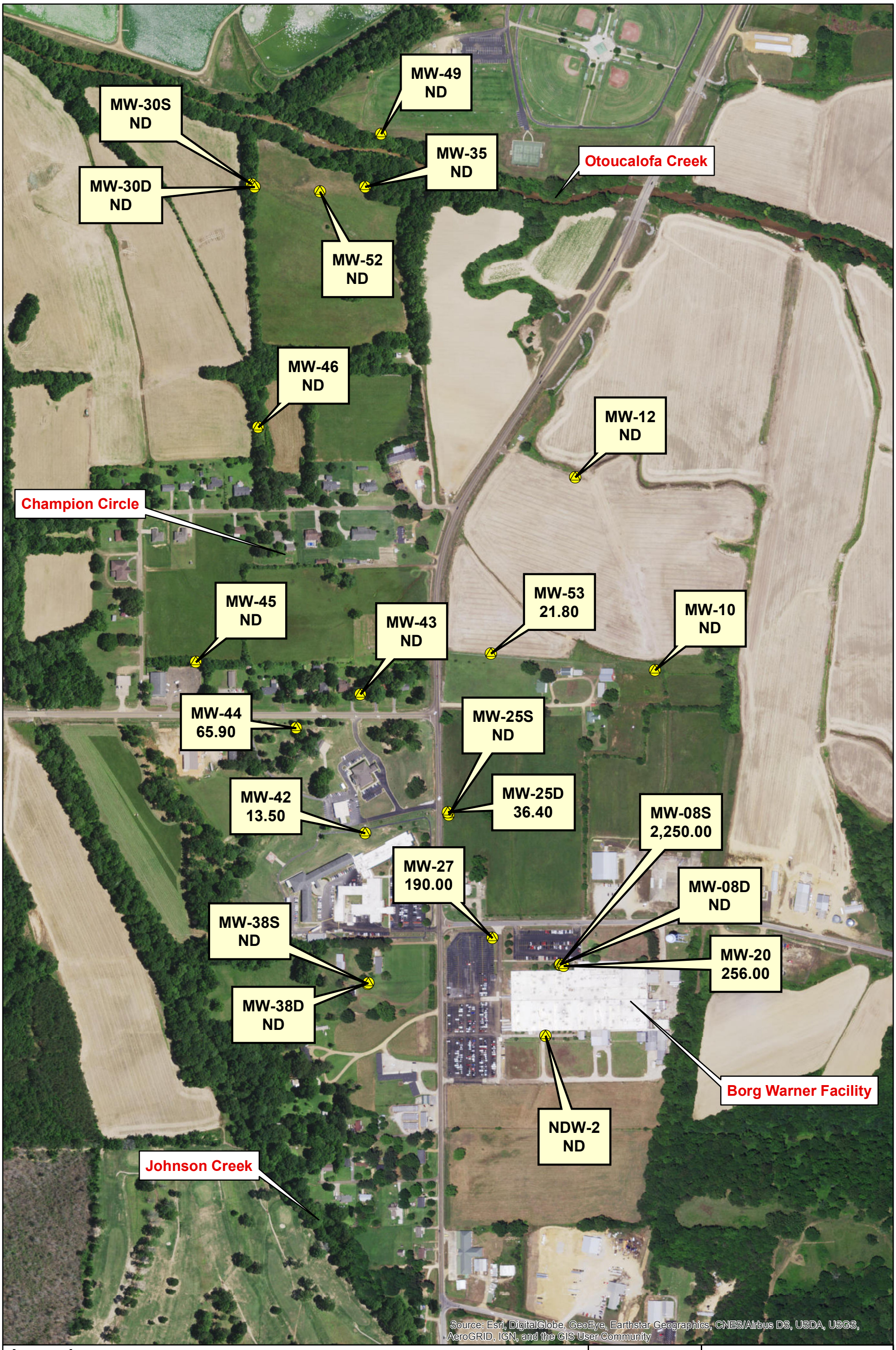
N W E S

FIRST ENVIRONMENT

91 Fulton Street
Boonton, New Jersey 07005

BORG WARNER FACILITY
600 Highway 32E, Water Valley, MS
FIGURE 2
GROUNDWATER TCE CONTAMINATION DISTRIBUTION
JULY 2017

Revised	Drawn	Checked	Approved	Date
	LS	IC	TCB	8/15/2017



Legend

MW-30S: Monitoring Well

21.80 cis-DCE concentration in ug/L as of July 2017

ND Concentration not detected above laboratory reported limits

0 112.5 225 450 Feet

1 inch = 450 feet

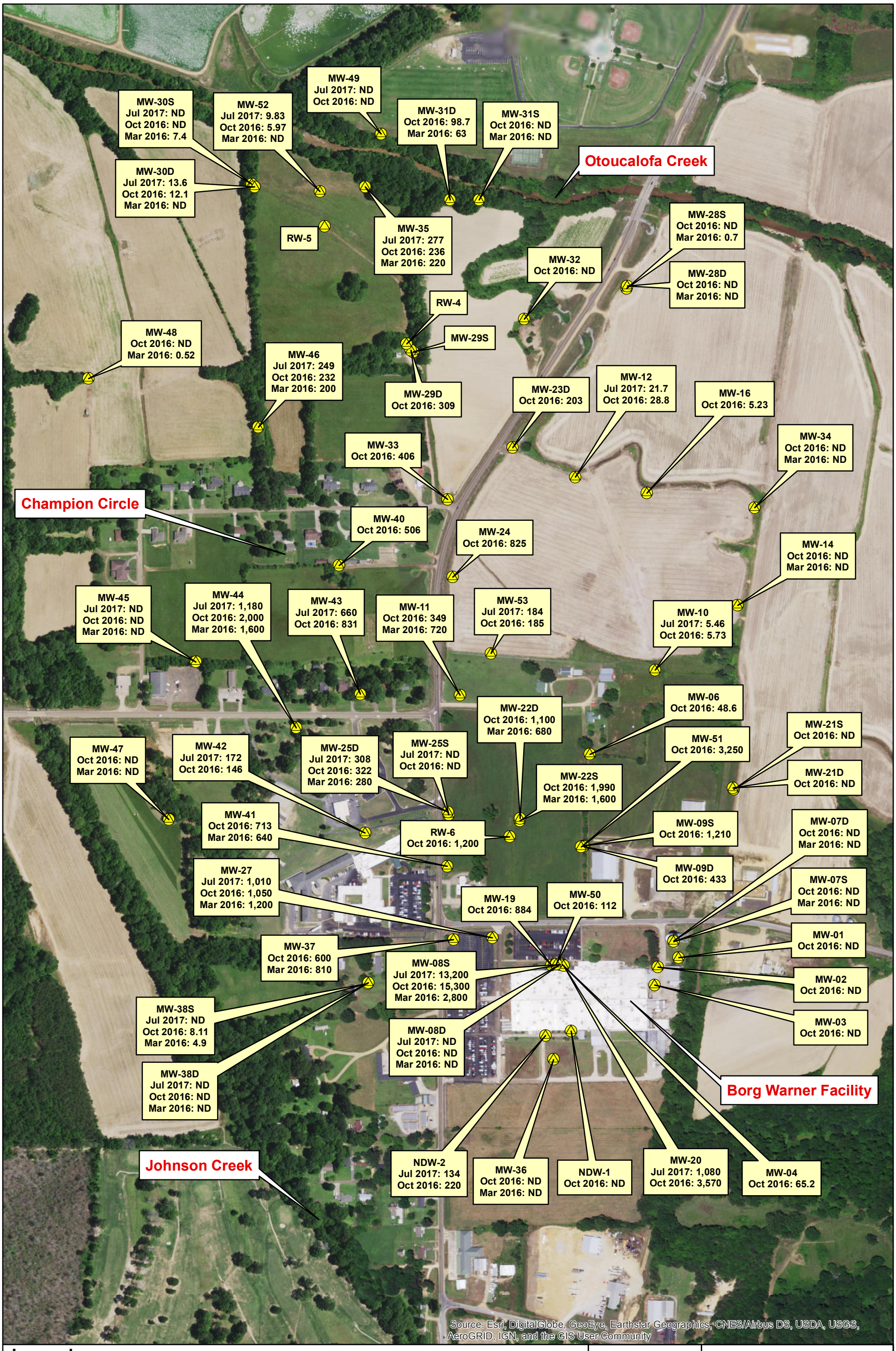
N W E S

FIRST ENVIRONMENT

91 Fulton Street
Boonton, New Jersey 07005

BORG WARNER FACILITY
600 Highway 32E, Water Valley, MS
FIGURE 3
GROUNDWATER cis-DCE CONTAMINATION DISTRIBUTION
JULY 2017

Revised	Drawn	Checked	Approved	Date
	LS	IC	TCB	8/15/2017



Legend

- Monitoring Wells
- Jul 2017: 13.6 TCE concentration in ug/L as of July 2017
- ND Concentration not detected above laboratory reported limits

0 112.5 225 450 Feet

1 inch = 450 feet

N W E S

FIRST ENVIRONMENT

91 Fulton Street
Boonton, New Jersey 07005

BORG WARNER FACILITY
600 Highway 32E, Water Valley, MS
FIGURE 4
GROUNDWATER TCE CONTAMINATION DISTRIBUTION

Revised	Drawn	Checked	Approved	Date
	LS	IC	TCB	8/28/2017

APPENDIX A

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facilty Name) Former Holley Automotive **DTW** 10.98 **TWD** 39.35

Well Number MW-52 **Date** 7/10/2017 **Tubing Depth** 34 ft.

Field Personnel K. Moore, M. Elliott, N. Mazzanti **Purging Device** Peristaltic Pump

Sampling Organization W.L. Burle Engineers **Total Volume Purged** 6 gal.

Identify Measuring Point Northern point of well casing. **PID** 42.2 ppm

Flush mount surface casing.

Clock Time (24 Hr)	DTW (ft.)	Purge Rate (ml/min)	Cum. Volume Purged (gal)	Temp (°C)	Spec. Cond (µS/cm)	pH	DO (mg/L)/%	Turb. (NTU)	Comments
8:10	11.30	416	--	22.56	0.108	5.86	3.59/42.2%	11.8	
8:24	11.27	441	2.25	22.60	0.125	5.90	3.27/38.7%	6.4	
8:34	--	454	3.25	23.10	0.128	5.90	3.14/37.4%	6.3	
8:45	--	--	4.50	23.55	0.128	5.95	3.04/36.6%	1.8	
8:55	11.30	--	6.00	24.47	0.127	5.96	2.97/36.2%	1.3	

W.L.BURLE ENGINEERS, P.A.

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facilty Name) Former Holley Automotive **DTW** 14.68 **TWD** 26.68

Well Number MW-35 **Date** 7/10/2017 **Tubing Depth** 21 ft.

Field Personnel K. Moore, M. Elliott, N. Mazzanti **Purging Device** Peristaltic Pump

Sampling Organization W.L. Burle Engineers **Total Volume Purged** 6.5 gallons

Identify Measuring Point Northern point of pvc well casing. **PID** 0.0 ppm

Elevated steel casing w/locking lid. **Pump Start** 9:50 **Stop** 11:06

Clock Time (24 Hr)	DTW (ft.)	Purge Rate (ml/min)	Cum. Volume Purged (gal)	Temp (°C)	Spec. Cond (µS/cm)	pH	DO (mg/L)	Turb. (NTU)	Comments
9:54	14.85	312.5	--	20.15	0.045	5.14	4.21/47.6%	3.4	
10:04	14.85	--	1.00	19.38	0.047	4.73	3.87/43.3%	15.3	
10:14	14.85	340.9	2.25	19.16	0.047	4.72	3.76/41.8%	11.2	
10:24	--	--	2.75	19.02	0.046	4.55	3.68/40.9%	11.5	
10:34	--	--	3.50	18.97	0.046	4.51	3.66/40.5%	10.5	
10:44	14.86	--	4.50	19.09	0.046	4.48	3.62/40.3%	10.8	
10:54	--	--	5.25	19.11	0.046	4.48	3.61/40.1%	10.0	
11:04	14.84	--	6.25	19.12	0.046	4.49	3.60/40.0%	9.2	

W.L. BURLE ENGINEERS, P.A.

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facilty Name)	Former Holley Automotive		**DTW**	12.98	**TWD** 20.10
Well Number	MW-30S	**Date** 7/10/2017	**Tubing Depth**	16 ft.	
Field Personnel	K. Moore, M. Elliott, N. Mazzanti		**Purging Device**	Peristaltic Pump	
Sampling Organization	W.L. Burle Engineers		**Total Volume Purged**	6.25 gal.	
Identify Measuring Point	Northern point of steel well casing.		**PID**	0.2 ppm	
			Pump Start	12:50	**Stop** 13:56

Clock Time (24 Hr)	DTW (ft.)	Purge Rate (ml/min)	Cum. Volume Purged (gal)	Temp (°F)	Spec. Cond (µS/cm)	pH	DO (mg/L)	Turb. (NTU)	Comments
12:53	13.21	315	--	19.14	0.026	5.21	4.66/51.2%	23.7	
13:03	13.21	--	1.00	18.62	0.020	4.86	4.11/45.3%	10.7	
13:13	--	--	2.00	18.39	0.019	4.70	4.04/44.5%	6.9	
13:23	--	--	2.75	18.40	0.019	4.56	3.94/43.3%	7.0	
13:33	13.24	--	3.50	18.30	0.019	4.44	3.91/42.8%	6.1	
13:43	--	--	5.00	18.27	0.019	4.36	3.87/42.4%	5.8	
13:53	13.23	--	6.00	18.16	0.019	4.37	3.86/42.1%	5.3	

W.L. BURLE ENGINEERS, P.A.

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facilty Name)	Former Holley Automotive		**DTW**	10.94	**TWD** 39.73
Well Number	MW-30D	**Date** 7/10/2017	**Tubing Depth**	35 ft.	
Field Personnel	K. Moore, M. Elliott, N. Mazzanti		**Purging Device**	Peristaltic Pump	
Sampling Organization	W.L. Burle Engineers		**Total Volume Purged**	5.5 gal.	
Identify Measuring Point	Northern point of well casing.		**PID**	0.1 ppm	
			Pump Start	14:23	**Stop** 15:20

Clock Time (24 Hr)	DTW (ft.)	Purge Rate (ml/min)	Cum. Volume Purged (gal)	Temp (°C)	Spec. Cond (µS/cm)	pH	DO (mg/L)	Turb. (NTU)	Comments
14:27	10.96	370	--	19.31	0.041	4.61	6.28/69.7%	0.4	
14:37	10.98	--	1.00	18.44	0.041	4.66	5.67/62.2%	0.6	
14:47	--	--	2.00	18.56	0.041	4.67	5.65/62.2%	3.7	
14:57	10.96	--	3.00	18.49	0.041	4.68	5.65/62.1%	3.4	
15:10	--	--	4.00	18.48	0.041	4.71	5.66/62.2%	4.2	
15:20	10.96	--	5.50	18.57	0.041	4.72	5.73/63.0%	5.3	

W.L. BURLE ENGINEERS, P.A.

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facilty Name) Former Holley Automotive **DTW** 6.26 **TWD** 33.36

Well Number MW-20 **Date** 7/10/2017 **Tubing Depth** 28 ft.

Field Personnel K. Moore, M. Elliott, N. Mazzanti **Purging Device** Peristaltic Pump

Sampling Organization W.L. Burle Engineers **Total Volume Purged** 4.5 gal.

Identify Measuring Point Northern point of pvc well casing. **PID** Not taken, no cap on well.

Flush mount surface casing, no well cap **Pump Start** 15:58 **Stop** 16:45

Clock Time (24 Hr)	DTW (ft.)	Purge Rate (ml/min)	Cum. Volume Purged (gal)	Temp (°C)	Spec. Cond (µS/cm)	pH	DO (mg/L)	Turb. (NTU)	Comments
16:02	6.31	416	--	22.63	0.026	5.35	7.97/94.0%	0.0	
16:12	6.32	--	1.50	21.56	0.025	4.72	8.54/99.4%	5.8	
16:22	--	--	2.50	21.39	0.025	4.49	8.46/98.1%	6.0	
16:32	6.32	--	3.50	21.33	0.025	4.46	8.38/97.0%	6.7	
16:42	6.32	--	4.50	21.17	0.025	4.42	8.28/95.8%	6.7	

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WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facilty Name)	Former Holley Automotive			**DTW**	9.42 **TWD** 33.08
Well Number	MW-27	**Date**	7/11/2017	**Tubing Depth**	27 ft.
Field Personnel	K. Moore, M. Elliott, N. Mazzanti			**Purging Device**	Peristaltic Pump
Sampling Organization	W.L. Burle Engineers			**Total Volume Purged**	12.5 gal.
Identify Measuring Point	Northern point of pvc well casing.			**PID**	84.6 ppm
Elevated steel casing w/lock.				**Pump Start**	7:59 **Stop** 9:54

Clock Time (24 Hr)	DTW (ft.)	Purge Rate (ml/min)	Cum. Volume Purged (gal)	Temp (°C)	Spec. Cond (µS/cm)	pH	DO (mg/L)	Turb. (NTU)	Comments
8:02	9.82	395	--	22.77	0.223	5.67	8.08/95.7%	8.3	
8:12	9.84	--	1.50	22.46	0.170	5.22	7.96/90.7%	1.6	
8:22	--	--	2.75	22.36	0.119	5.15	7.43/87.9%	1.3	
8:33	9.87	--	4.00	22.38	0.106	5.12	7.35/86.8%	1.1	
8:43	--	--	5.00	22.41	0.095	5.25	7.29/86.2%	1.4	
8:53	--	--	6.00	22.42	0.088	5.37	7.12/84.1%	0.3	
9:03	--	--	7.00	22.42	0.090	5.36	7.17/84.7%	0.3	
9:13	--	--	8.00	22.52	0.085	5.23	7.18/84.9%	0.1	
9:23	9.90	394	9.00	22.52	0.079	5.34	7.58/89.8%	0.3	
9:33	9.82	--	10.25	22.67	0.075	5.23	7.19/85.3%	1.0	
9:43	--	--	11.50	22.70	0.075	5.25	7.24/85.8%	0.0	
9:53	9.84	--	12.50	22.75	0.077	5.23	7.21/85.5%	0.3	

W.L.BURLE ENGINEERS, P.A.

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facilty Name) Former Holley Automotive **DTW** 6.70 **TWD** 53.80

Well Number MW-8D **Date** 7/11/2017 **Tubing Depth** 48 ft.

Field Personnel K. Moore, M. Elliott, N. Mazzanti **Purging Device** Peristaltic Pump

Sampling Organization W.L. Burle Engineers **Total Volume Purged** 9.25 gal.

Identify Measuring Point Northern point of pvc well casing. **PID** 0.9 ppm

Flush Mount Surface Casing **Pump Start** 10:44 **Stop** 12:06

Clock Time (24 Hr)	DTW (ft.)	Purge Rate (ml/min)	Cum. Volume Purged (gal)	Temp (°F)	Spec. Cond (µS/cm)	pH	DO (mg/L)	Turb. (NTU)	Comments
10:46	6.72	422.5	--	24.49	0.030	5.18	8.56/104.2%	0.0	
11:00	6.72	--	1.75	23.07	0.026	4.44	8.60/102.6%	19.4	
11:10	--	--	2.50	22.68	0.026	4.33	8.48/100.6%	4.4	
11:20	6.72	--	4.00	22.62	0.026	4.25	8.47/100.3%	3.2	
11:30	--	--	5.25	22.76	0.026	4.23	8.44/100.3%	3.1	
11:40	--	--	6.50	22.88	0.026	4.28	8.82/104.9%	3.1	
11:53	--	--	7.50	23.20	0.026	4.30	9.32/111.3%	3.1	
12:03	6.73	--	9.00	23.46	0.026	4.31	8.86/106.1%	1.0	

W.L.BURLE ENGINEERS, P.A.

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facilty Name) Former Holley Automotive **DTW** 6.68 **TWD** 32.03

Well Number MW-8S **Date** 7/11/2017 **Tubing Depth** 27 ft.

Field Personnel K. Moore, M. Elliott, N. Mazzanti **Purging Device** Peristaltic Pump

Sampling Organization W.L. Burle Engineers **Total Volume Purged** 12.75

Identify Measuring Point Northern point of pvc well casing. **PID** 0.2 ppm

Flush mount surface casing. **Pump Start** 13:40 **Stop** 15:39

Clock Time (24 Hr)	DTW (ft.)	Purge Rate (ml/min)	Cum. Volume Purged (gal)	Temp (°C)	Spec. Cond (µS/cm)	pH	DO (mg/L)	Turb. (NTU)	Comments
13:44	6.94	417	--	24.65	0.830	6.89	4.20/51.4%	0.0	
13:54	6.93	--	1.50	22.13	0.501	6.60	5.41/63.6%	3.8	
14:04	6.94	--	--	21.76	0.301	6.13	5.98/69.7%	0.0	
14:14	--	--	--	21.65	0.237	5.82	6.15/71.7%	0.0	
14:24	6.94	--	4.50	21.83	0.198	5.93	6.34/74.2%	1.8	
14:34	--	--	5.50	21.78	0.180	5.70	6.44/75.2%	3.0	
14:44	--	--	6.50	21.60	0.164	5.70	6.62/77.0%	2.7	
14:54	--	--	8.00	21.56	0.172	5.54	6.73/78.2%	3.1	
15:04	--	--	9.00	21.66	0.141	5.59	6.73/78.4%	4.9	
15:14	--	--	10.00	21.60	0.142	5.41	6.78/79.0%	3.8	
15:24	6.93	--	10.75	21.42	0.137	5.45	6.79/79.3%	3.8	
15:34	6.91	--	12.50	21.45	0.142	5.49	6.92/80.4%	3.4	

W.L.BURLE ENGINEERS, P.A.

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facilty Name) Former Holley Automotive **DTW** 7.33 **TWD** 44.96

Well Number NDW-2 **Date** 7/12/2017 **Tubing Depth** 40 ft.

Field Personnel K. Moore, M. Elliott, N. Mazzanti **Purging Device** Submersible pump / Peristaltic Pump

Sampling Organization W.L. Burle Engineers **Total Volume Purged** 288.5 gal.

Identify Measuring Point Northern point of pvc well casing. **PID** 0.0 ppm

No surface casing. 6 inch pvc well casing. **Pump Start** 7:31 **Stop** 9:34

Clock Time (24 Hr)	DTW (ft.)	Purge Rate (ml/min)	Cum. Volume Purged (gal)	Temp (°C)	Spec. Cond (µS/cm)	pH	DO (mg/L)	Turb. (NTU)	Comments
9:19	7.38	400	287.00	20.50	0.027	4.99	10.38/118.2%	0.0	
9:24	--	--	--	20.38	0.026	4.62	9.02/102.6%	0.0	
9:26	--	--	--	20.25	0.026	4.57	8.80/99.9%	1.0	
9:28	7.38	--	--	20.25	0.026	4.58	8.64/98.2%	3.5	
9:30	--	--	288.50	20.24	0.026	4.60	8.53/96.9%	5.4	

W.L.BURLE ENGINEERS, P.A.

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facilty Name)	Former Holley Automotive		**DTW**	12.13	**TWD** 47.15
Well Number	MW-49	**Date** 7/12/2017	**Tubing Depth**	42 ft.	
Field Personnel	K. Moore, M. Elliott, N. Mazzanti		**Purging Device**	Peristaltic Pump	
Sampling Organization	W.L. Burle Engineers		**Total Volume Purged**	6.0 gal.	
Identify Measuring Point	Northern point of pvc well casing.		**PID**	0.4 ppm	
Flush mount surface casing 2" well			**Pump Start**	11:00	**Stop** 12:07

Clock Time (24 Hr)	DTW (ft.)	Purge Rate (ml/min)	Cum. Volume Purged (gal)	Temp (°C)	Spec. Cond (µS/cm)	pH	DO (mg/L)	Turb. (NTU)	Comments
11:01	12.16	353	--	23.64	0.043	5.51	5.77/69.2%	28.8	
11:11	12.16	--	1.25	21.24	0.038	5.09	5.90/68.2%	38.8	
11:21	12.16	--	--	20.76	0.037	4.85	5.75/66.0%	27.1	
11:31	--	--	3.00	20.63	0.037	4.76	5.73/65.6%	16.2	
11:41	--	--	4.00	20.32	0.037	4.54	5.88/67.0%	13.1	
11:55	12.15	--	5.00	20.40	0.037	4.50	5.92/67.5%	13.6	
12:05	12.16	--	6.00	20.36	0.037	4.40	5.96/67.0%	8.4	

W.L.BURLE ENGINEERS, P.A.

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facilty Name) Former Holley Automotive **DTW** 7.25 **TWD** 53.00

Well Number MW-45 **Date** 7/12/2017 **Tubing Depth** 48 ft.

Field Personnel K. Moore, M. Elliott, N. Mazzanti **Purging Device** Peristaltic Pump

Sampling Organization W.L. Burle Engineers **Total Volume Purged** 7.50 gal.

Identify Measuring Point Northern point of pvc well casing. **PID** 0.0 ppm

Flush mount surface casing. **Pump Start** 13:46 **Stop** 15:04

Clock Time (24 Hr)	DTW (ft.)	Purge Rate (ml/min)	Cum. Volume Purged (gal)	Temp (°C)	Spec. Cond (µS/cm)	pH	DO (mg/L)	Turb. (NTU)	Comments
13:51	7.27	395	--	22.06	0.026	5.27	7.32/85.8%	5.2	
14:05	7.25	--	2.00	20.06	0.024	4.92	6.99/79.3%	0.0	
14:15	7.27	--	3.00	20.06	0.024	4.57	6.67/75.5%	2.5	
14:25	7.27	--	4.00	20.14	0.024	4.45	6.50/73.5%	2.4	
14:35	--	--	5.00	20.03	0.024	4.37	6.45/72.9%	1.8	
14:45	--	--	6.00	19.90	0.024	4.31	6.41/72.3%	1.9	
14:55	--	--	7.00	19.90	0.024	4.34	6.38/72.0%	2.5	
15:03	7.25	--	7.50	19.91	0.024	4.39	6.38/71.9%	2.0	

W.L. BURLE ENGINEERS, P.A.

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facilty Name) Former Holley Automotive **DTW** 13.30 **TWD** 63.85

Well Number MW-43 **Date** 7/12/2017 **Tubing Depth** 58 ft.

Field Personnel K. Moore, M. Elliott, N. Mazzanti **Purging Device** Peristaltic Pump

Sampling Organization W.L. Burle Engineers **Total Volume Purged** 8.75 gal.

Identify Measuring Point Northern point of pvc well casing. **PID** 17.2 ppm

Flush mount surface casing. 2" well. **Pump Start** 15:58 **Stop** 17:38

Clock Time (24 Hr)	DTW (ft.)	Purge Rate (ml/min)	Cum. Volume Purged (gal)	Temp (°C)	Spec. Cond (µS/cm)	pH	DO (mg/L)	Turb. (NTU)	Comments
16:00	13.34	366	--	22.98	0.024	5.29	6.13/72.7%	100.0	
16:15	13.32	--	1.50	20.90	0.023	4.80	5.97/68.7%	57.6	
16:30	13.32	357	3.00	20.76	0.024	4.69	5.76/66.3%	78.1	
16:45	--	--	4.00	20.53	0.024	4.54	5.64/64.4%	19.1	
17:00	13.32	348	5.50	20.50	0.024	4.34	5.62/64.2%	5.7	
17:15	--	--	6.75	20.52	0.024	4.34	5.65/64.5%	5.3	
17:30	13.31	--	8.00	20.56	0.024	4.35	5.60/63.9%	4.2	
17:36	13.32	--	8.50	20.36	0.024	4.32	5.69/64.7%	3.7	

W.L.BURLE ENGINEERS, P.A.

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facilty Name)	Former Holley Automotive			**DTW**	16.13 **TWD** 37.69
Well Number	MW-25S	**Date**	7/13/2017	**Tubing Depth**	33 ft.
Field Personnel	K. Moore, M. Elliott, N. Mazzanti			**Purging Device**	Peristaltic Pump
Sampling Organization	W.L. Burle Engineers			**Total Volume Purged**	5.5 gal.
Identify Measuring Point	Northern point of pvc well casing.			**PID**	4.5 ppm
Elevated steel casing. 2 inch pvc well casing.				**Pump Start**	7:44 **Stop** 8:55

Clock Time (24 Hr)	DTW (ft.)	Purge Rate (ml/min)	Cum. Volume Purged (gal)	Temp (°C)	Spec. Cond (µS/cm)	pH	DO (mg/L)	Turb. (NTU)	Comments
7:47	16.91	361	--	21.70	0.120	5.84	6.59/76.2%	0.0	
7:51	16.86	272	--	--	--	--	--	--	
8:00	16.86	--	1.00	20.35	0.124	6.11	5.55/63.1%	0.0	
8:15	16.85	--	2.00	20.41	0.126	6.23	5.33/60.8%	0.0	
8:30	--	--	3.00	20.16	0.129	6.21	5.88/66.4%	0.0	
8:40	--	--	4.00	20.06	0.130	6.06	5.34/60.5%	0.0	
8:47	--	--	4.50	20.03	0.131	6.01	5.29/59.8%	0.0	
8:52	16.86	--	5.00	20.02	0.132	6.01	5.25/59.4%	0.0	

W.L. BURLE ENGINEERS, P.A.

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facilty Name) Former Holley Automotive **DTW** 15.93 **TWD** 46.06

Well Number MW-25D **Date** 7/13/2017 **Tubing Depth** 41 ft.

Field Personnel K. Moore, M. Elliott, N. Mazzanti **Purging Device** Peristaltic Pump

Sampling Organization W.L. Burle Engineers **Total Volume Purged** 6.25 gal.

Identify Measuring Point Northern point of pvc well casing. **PID** 0.0 ppm

Elevated steel surface casing. 2 inch pvc well casing. **Pump Start** 9:26 **Stop** 10:28

Clock Time (24 Hr)	DTW (ft.)	Purge Rate (ml/min)	Cum. Volume Purged (gal)	Temp (°CF)	Spec. Cond (µS/cm)	pH	DO (mg/L)	Turb. (NTU)	Comments
9:30	16.03	379	--	21.18	0.034	5.89	6.01/69.3%	0.0	
9:34	16.04	--	--	--	--	--	--	--	
9:40	16.04	--	1.50	20.04	0.033	5.16	5.69/54.3%	0.0	
9:55	16.03	--	3.00	20.10	0.033	5.05	5.48/62.1%	0.0	
10:10	--	--	4.00	20.29	0.033	5.44	5.37/61.1%	0.0	
10:20	--	--	5.50	20.19	0.032	5.46	5.37/60.9%	0.0	
10:25	16.03	--	6.00	20.13	0.032	5.42	5.35/60.6%	0.0	

W.L. BURLE ENGINEERS, P.A.

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facilty Name) Former Holley Automotive **DTW** 4.05 **TWD** 29.93

Well Number MW-10 **Date** 7/13/2017 **Tubing Depth** 25 ft.

Field Personnel K. Moore, M. Elliott, N. Mazzanti **Purging Device** Peristaltic Pump

Sampling Organization W.L. Burle Engineers **Total Volume Purged** 5.5 gal.

Identify Measuring Point Northern point of pvc well casing. **PID** 1.4 ppm

Elevated steel casing. 2 inch pvc well casing. **Pump Start** 9:50 **Stop** 12:06

Clock Time (24 Hr)	DTW (ft.)	Purge Rate (ml/min)	Cum. Volume Purged (gal)	Temp (°C)	Spec. Cond (µS/cm)	pH	DO (mg/L)	Turb. (NTU)	Comments
11:20	4.12	468	--	23.18	0.035	5.12	8.35/99.4%	0.0	
11:30	4.10	--	1.00	19.68	0.032	4.96	7.87/88.6%	0.0	
11:45	4.16	--	3.50	19.42	0.031	4.53	7.56/84.6%	0.0	
12:00	--	--	5.00	19.42	0.031	4.53	7.56/84.6%	0.0	
12:05	4.10	--	5.50	19.42	0.031	4.53	7.56/84.6%	0.0	

W.L.BURLE ENGINEERS, P.A.

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facilty Name) Former Holley Automotive **DTW** 6.04 **TWD** 41.09

Well Number MW-53 **Date** 7/13/2017 **Tubing Depth** 36 ft.

Field Personnel K. Moore, M. Elliott, N. Mazzanti **Purging Device** Peristaltic Pump

Sampling Organization W.L. Burle Engineers **Total Volume Purged** 16.0 gal.

Identify Measuring Point Northern point of pvc well casing. **PID** 0.7 ppm

Flush mount surface casing. 2 inch pvc well. **Pump Start** 13:53 **Stop** 16:40

Clock Time (24 Hr)	DTW (ft.)	Purge Rate (ml/min)	Cum. Volume Purged (gal)	Temp (°C)	Spec. Cond (µS/cm)	pH	DO (mg/L)	Turb. (NTU)	Comments
13:55	6.30	429	--	25.57	0.150	5.83	4.30/52.4%	32.7	
14:00	6.31	--	0.75	21.33	0.101	8.89	5.31/61.6%	45.7	
14:15	6.33	--	2.00	20.18	0.062	5.10	6.65/75.5%	21.0	
14:30	6.34	--	4.00	19.92	0.057	4.87	6.89/77.7%	18.7	
14:45	--	--	5.75	19.80	0.052	4.75	7.42/83.3%	19.9	
14:55	--	323	6.50	20.50	0.048	4.73	6.87/78.5%	18.3	
15:05	--	--	7.50	20.35	0.050	4.76	6.91/78.7%	17.1	
15:15	--	--	8.00	20.56	0.048	4.76	6.90/78.8%	16.2	
15:25	--	--	9.00	20.55	0.047	4.78	6.91/78.9%	15.2	
15:40	--	--	10.50	20.33	0.044	4.76	7.00/79.6%	14.7	
16:00	--	--	12.00	20.55	0.044	4.79	6.96/79.5%	13.2	
16:10	--	410	12.50	20.73	0.043	4.72	6.85/78.5%	13.3	
16:20	--	--	13.50	20.92	0.045	5.41	6.81/78.3%	12.4	

W.L.BURLE ENGINEERS, P.A.

Well No:	MW-53					Date:	7/13/2017		
Clock Time (24 Hr)	DTW (ft.)	Purge Rate (ml/min)	Cum. Volume Purged (gal)	Temp (°C)	Spec. Cond (µS/cm)	pH	DO (mg/L)	Turb. (NTU)	Comments
16:25	--	--	14.00	20.98	0.045	5.47	6.77/78.0%	12.3	
16:30	--	--	15.00	20.97	0.043	5.45	6.86/78.8%	11.4	
16:35	--	--	15.50	21.02	0.047	5.46	6.79/78.3%	11.6	
16:40	--	--	15.50	21.02	0.044	5.42	6.79/78.2%	9.5	

W.L.BURLE ENGINEERS, P.A.

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facilty Name) Former Holley Automotive **DTW** 8.85 **TWD** 40.95

Well Number MW-12 **Date** 7/14/2017 **Tubing Depth** 36 ft.

Field Personnel K. Moore, M. Elliott, N. Mazzanti **Purging Device** Peristaltic Pump

Sampling Organization W.L. Burle Engineers **Total Volume Purged** 6.0 gal.

Identify Measuring Point Northern point of pvc well casing. **PID** 1.8 ppm

Elevated steel casing. 2 inch pvc well casing. **Pump Start** 7:38 **Stop** 8:36

Clock Time (24 Hr)	DTW (ft.)	Purge Rate (ml/min)	Cum. Volume Purged (gal)	Temp (°C)	Spec. Cond (µS/cm)	pH	DO (mg/L)	Turb. (NTU)	Comments
7:46	9.19	394	--	19.41	0.032	4.48	8.41/93.9%	0.0	
7:56	9.21	--	--	19.11	0.031	4.27	7.89/87.7%	0.0	
8:15	9.22	--	3.50	18.97	0.030	4.10	7.34/81.4%	0.0	
8:30	--	--	5.25	19.85	0.030	4.04	7.14/79.2%	0.0	
8:35	9.22	--	6.00	19.04	0.030	4.07	7.13/79.2%	0.0	

W.L.BURLE ENGINEERS, P.A.

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facilty Name)	Former Holley Automotive			**DTW**	8.17 **TWD** 35.97
Well Number	MW-46	**Date**	7/14/2017	**Tubing Depth**	32 ft.
Field Personnel	K. Moore, M. Elliott, N. Mazzanti			**Purging Device**	Peristaltic Pump
Sampling Organization	W.L. Burle Engineers			**Total Volume Purged**	5.0 gal.
Identify Measuring Point	Northern point of pvc well casing.			**PID**	2.7 ppm
				Pump Start	9:32 **Stop** 11:18

Clock Time (24 Hr)	DTW (ft.)	Purge Rate (ml/min)	Cum. Volume Purged (gal)	Temp (°C)	Spec. Cond (µS/cm)	pH	DO (mg/L)	Turb. (NTU)	Comments
9:36	10.35	416	--	20.97	0.086	5.44	4.77/54.8%	3.2	
9:40	10.55	250	--	--	--	--	--	--	
9:43	10.20	149	0.75	--	--	--	--	--	
10:00	9.65	--	1.50	21.31	0.082	5.19	4.23/49.0%	8.8	
10:15	--	--	2.00	21.16	0.080	5.82	4.18/48.3%	1.0	
10:30	9.24	--	2.75	21.06	0.079	4.13	4.13/47.6%	0.0	
10:45	--	--	3.50	21.24	0.077	4.84	4.13/47.8%	0.0	
11:00	10.20	--	4.00	21.11	0.077	4.89	4.21/48.6%	0.0	
11:05	10.20	--	4.50	20.94	0.077	4.93	4.27/49.0%	0.0	
11:10	--	--	4.75	21.04	0.077	5.03	4.24/48.8%	0.0	
11:13	10.20	--	5.00	20.98	0.077	5.10	4.22/48.6%	0.0	
11:15	--	--	5.00	20.93	0.077	5.10	4.24/48.7%	0.0	
11:17	10.20	--	5.00	20.92	0.077	5.10	4.24/48.7%	0.0	

W.L.BURLE ENGINEERS, P.A.

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facilty Name) Former Holley Automotive **DTW** 24.33 **TWD** 33.52

Well Number MW-38S **Date** 7/14/2017 **Tubing Depth** 28 ft.

Field Personnel K. Moore, M. Elliott, N. Mazzanti **Purging Device** Peristaltic Pump

Sampling Organization W.L. Burle Engineers **Total Volume Purged** 2.0 gal.

Identify Measuring Point Northern point of pvc well casing. **PID** 2.3 ppm

Flush mount surface casing. 2 inch pvc well. **Pump Start** 13:47 **Stop** 14:16

Clock Time (24 Hr)	DTW (ft.)	Purge Rate (ml/min)	Cum. Volume Purged (gal)	Temp (°C)	Spec. Cond (µS/cm)	pH	DO (mg/L)	Turb. (NTU)	Comments
13:51	24.54	263	--	27.10	0.085	5.09	6.10/77.5%	0.0	
13:55	--	--	0.50	24.61	0.076	4.77	7.31/89.7%	0.0	
14:00	24.54	--	0.50	23.87	0.076	4.51	8.34/100.7%	14.3	
14:10	24.54	--	1.50	23.59	0.077	4.17	8.05/96.9%	14.5	
14:12	--	--	1.50	23.66	0.077	4.13	7.89/95.2%	8.7	
14:15	24.55	--	2.00	23.71	0.076	4.12	7.83/94.4%	3.2	

W.L. BURLE ENGINEERS, P.A.

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facilty Name)	Former Holley Automotive			**DTW**	24.62 **TWD** 62.61
Well Number	MW-38D	**Date**	7/14/2017	**Tubing Depth**	57 ft.
Field Personnel	K. Moore, M. Elliott, N. Mazzanti			**Purging Device**	Peristaltic Pump
Sampling Organization	W.L. Burle Engineers			**Total Volume Purged**	7.0 gal.
Identify Measuring Point	Northern point of pvc well casing.			**PID**	17.3 ppm
				Pump Start	14:49 **Stop** 16:19

Clock Time (24 Hr)	DTW (ft.)	Purge Rate (ml/min)	Cum. Volume Purged (gal)	Temp (°F)	Spec. Cond (µS/cm)	pH	DO (mg/L)	Turb. (NTU)	Comments
14:52	24.62	319	--	26.89	0.041	4.78	6.10/77.1%	43.4	
15:00	24.62	--	0.75	21.46	0.034	4.05	7.95/92.2%	23.8	
15:15	24.62	--	2.00	21.23	0.033	4.11	7.59/87.8%	4.4	
15:30	--	--	3.00	20.89	0.033	3.94	7.29/83.8%	0.0	
15:45	--	--	4.50	20.93	0.033	4.61	7.27/83.6%	0.0	
16:00	--	--	5.50	20.85	0.034	4.42	--	0.0	(Horiba powered off. DO resetting.)
16:10	--	--	6.25	20.88	0.033	4.50	8.14/93.6%	0.0	
16:12	--	--	6.50	20.78	0.034	4.27	8.15/93.4%	0.0	
16:14	--	--	6.50	20.82	0.034	4.53	8.12/93.2%	0.0	
16:16	24.63	--	7.00	20.76	0.033	4.50	8.09/92.8%	0.0	
16:18	24.63	--	7.00	20.72	0.033	4.48	8.09/92.7%	0.0	

W.L. BURLE ENGINEERS, P.A.

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facilty Name)	Former Holley Automotive			**DTW**	22.54 **TWD** 67.83
Well Number	MW-44	**Date**	7/17/2017	**Tubing Depth**	62 ft.
Field Personnel	K. Moore, M. Elliott, N. Mazzanti			**Purging Device**	Peristaltic Pump
Sampling Organization	W.L. Burle Engineers			**Total Volume Purged**	8.0 gal.
Identify Measuring Point	Northern point of pvc well casing.			**PID**	100.2 ppm
				Pump Start	7:41 **Stop** 9:18

Clock Time (24 Hr)	DTW (ft.)	Purge Rate (ml/min)	Cum. Volume Purged (gal)	Temp (°C)	Spec. Cond (µS/cm)	pH	DO (mg/L)	Turb. (NTU)	Comments
7:45	22.55	280	--	20.55	0.044	5.06	6.83/78.0%	14.4	
7:50	22.55	306	--	--	--	--	--	--	
8:00	--	--	1.50	19.80	0.037	4.66	6.37/71.8%	14.5	
8:15	22.55	--	2.75	19.75	0.037	4.82	6.20/69.9%	9.9	
8:30	--	--	4.00	19.79	0.037	4.79	6.10/68.7%	6.7	
8:45	--	--	5.25	19.94	0.036	4.80	6.18/69.7%	6.1	
9:00	22.55	--	6.50	20.01	0.036	4.78	5.94/67.2%	4.1	
9:15	22.55	--	7.50	20.07	0.036	4.87	5.87/66.5%	3.8	
9:17	22.55	--	7.50	20.17	0.036	4.89	5.86/66.4%	4.7	

W.L. BURLE ENGINEERS, P.A.

WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facilty Name) Former Holley Automotive **DTW** 30.49 **TWD** 46.75

Well Number MW-42 **Date** 7/17/2017 **Tubing Depth** 41 ft.

Field Personnel K. Moore, M. Elliott, N. Mazzanti **Purging Device** Peristaltic Pump

Sampling Organization W.L. Burle Engineers **Total Volume Purged** 2.75 gal.

Identify Measuring Point Northern point of pvc well casing. **PID** 2.2 ppm

Flush mount surface casing. 2 inch pvc well casing. **Pump Start** 10:12 **Stop** 11:52

Clock Time (24 Hr)	DTW (ft.)	Purge Rate (ml/min)	Cum. Volume Purged (gal)	Temp (°C)	Spec. Cond (µS/cm)	pH	DO (mg/L)	Turb. (NTU)	Comments
10:49	--	150	--	31.19	0.047	5.05	6.81/91.8%	1.9	
10:58	30.49	--	--	31.56	0.049	4.79	6.34/86.0%	2.1	
11:15	--	--	0.75	32.00	0.050	4.90	5.83/79.6%	0.6	
11:30	--	--	--	32.45	0.052	4.94	5.45/74.9%	0.0	
11:45	30.51	--	3.00	32.55	0.053	4.91	5.31/73.0%	0.0	
11:50	--	--	3.00	32.66	0.052	4.95	5.28/72.7%	0.0	

W.L. BURLE ENGINEERS, P.A.

APPENDIX B

FIRST ENVIRONMENT

Site Health and Safety Plan[1]

Section 1: General Information

Overall Haz Eval:	Low	**Project Manager:**	Art Clarke
Site Name:	Borg-Warner, Inc.	**Site Emer Contact:**	Mete Talimcioglu
Project Name:	EnPro Industries, Inc.	**Site Emer Contact #:**	917-257-6976
Project Number:	ENPRO002 E GWS-17	**HASP Revision #:**	01
Project Location:	600 MS-32, Water Valley, MS 38965	**HASP Approval Date:**	7/6/17
Client Name:	EnPro Industries, Inc.	**HASP Effective Date:**	7/10/17
Site Contact:	Amanda Tollison		
Contact #:	O: 662-513-8007		

Section 2: Emergency Contact Information

Local Service Contact Numbers

Ambulance:	911	**Poison Control:**	800-462-6642
Fire:	911	**Fire (non-emergency):**	662-473-4654
Police:	911	**Police (non-emergency):**	**662-473-2933**

Spill Response Information

DOT HazMat Info:	202-366-4488	CHEMTREC	800-424-9300
National Response Center Hotline:	800-424-8802	CMA Chemical Referral Center:	800-262-8200
State Spill Response Hotline Name	MSDEQ Emergency Hotline	Emergency Response Contractor Name:	NA
State Spill Response Hotline number:	1-800-222-6362	Emergency Response Contractor Number:	NA

First Environment Contact Information

Project Manager:	Art Clarke	FE Office Number:	973-334-0003
Cell Phone:	201-321-5718	Alternate FE Contact:	Mete Talimcioglu
Home Phone:	N/A	Cell Phone:	917-257-6976
FE Medical Consultant:	Jeffrey Liva, M.D.	FE Human Resources Dir:	Scott Kymer
FE Medical Consultant #:	201-444-3060	Cell Phone:	973-632-6741

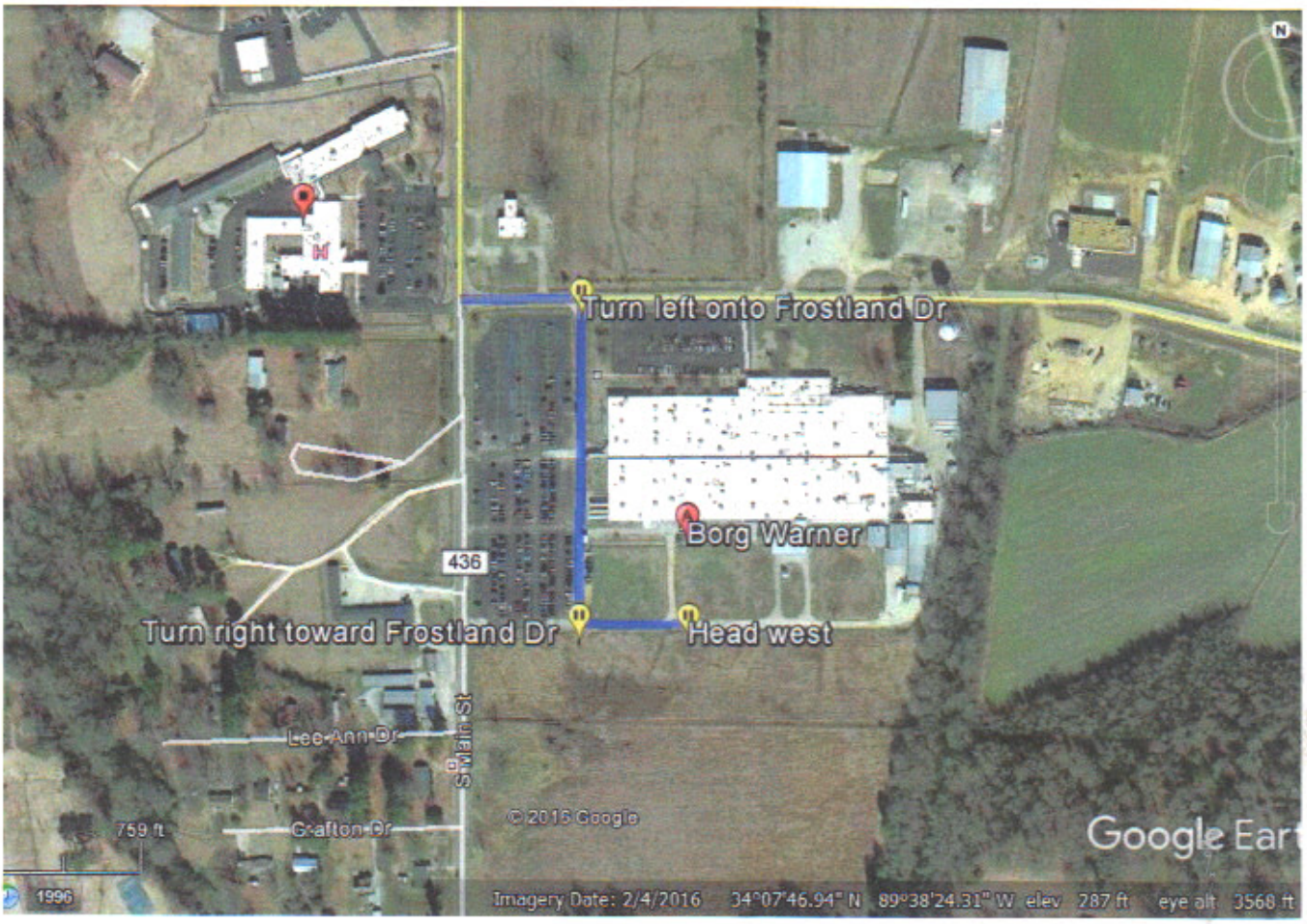
Hospital Information (Do NOT attempt to transport anyone for anything other than a minor injury in which the individual is ambulatory. Call 911 for an ambulance instead.)

Name:	Yalobusha General Hospital		
Address:	630 S. Main Street, Water Valley, MS 38965		
Non-Emerg. Phone:	662-473-1411	Hours of Operation:	24/7
Verified by:	RCT	Date:	12/7/16

[1] Note: This Health and Safety Plan has been written for the use of First Environment, Inc. and its employees. The plan is written for specific trained personnel who are under medical surveillance. The plan is applicable for the specific purposes and objectives stated and is representative of conditions believed to exist at the time of its preparation. First Environment, Inc. claims no responsibility for its use by others

Section 3: Map to Hospital

This page reserved for a map and directions to the hospital.



Section 4: Site Description

Field Effort Objectives

Initial Assessment	
Delineate contamination	
Groundwater sampling	X
Remediate contamination	
Other (list below)	

Site Characteristics (check all that apply)

First Entry		Hazardous (CERCLA/State Superfund)	
Previously Characterized	X	Hazardous (RCRA)	
Active	X	HAZWOPER	X
Inactive		Sanitary or C and D Landfill	
UST/LUST		Secure	
Manufacturing	X	Other (list below)	
Construction			

Project History

Chlorinated volatile organic compounds (cVOC) have been detected in the groundwater underlying the Site at concentrations in exceedance of the MSDEQ Groundwater Quality Standard (GWQS). Contaminant plume has been identified migrating on site.

Site Security and Control Measures

Currently an active manufacturing site. Follow facility security measures and procedures. There are groundwater wells located at the plant site and on surrounding properties where the Site Contact has acquired the appropriate access agreements.

Section 5 Work Description

If multiple tasks with different hazard profiles and risk controls are planned, copy Sections 5, 6, and 7 and fill out for each task with different hazards requiring different controls.

Tasks to be performed by First Environment
Tasks: Oversight of Contractor
Tasks to be performed by First Environment Contractors[2]

Task: Groundwater Sampling and Laboratory Analysis
Contractor: W.L. Burle, Engineers, P.A.

[2] Site characteristics to the best of First Environment's knowledge are included in this HASP. Per the subcontractor agreement, each subcontractor must assess hazards associated with their site activities and have a site- specific health and safety plan covering their work on site.

Section 6: Hazard Assessment

Potential Chemical Hazards

Identify suspected compounds and levels if known. If levels are unknown, indicate unknown. If compounds are not present or not suspected to be present indicate with NA. If a class of compounds (in bold) is not present at the site, indicate NA for the class, it is then not necessary to fill in NA for compounds within the class.

Unknown or partially characterized			**Unknown**
Compounds	**Levels**		**Symptoms of Acute Exposure**
	Soil (mg/kg)	**W/GW** (µg/L)	
Nonchlorinated VOCs			
Benzene			
2-Butanone (MEK)			
Ethylbenzene			
Hexone (MIBK)			
Methyl-t-butyl Ether (MTBE)			
Toluene			
Xylene			
Other(specify)			
Chlorinated VOCs			
Carbon tetrachloride			
Chlorobenzene			
1,2-Dichloroethane			
1,1 Dichloroethylene (1,1-DCE)			
Tetrachloroethylene (PCE)		X	Irritation; Eyes, Skin, Nose; Throat, Respiratory System; Nausea; Flush Face and Neck; Dizziness; Lack of Coordination; Headache; Drowsiness
1,1,1-Trichloroethane (TCA)			
Trichloroethylene (TCE)		X	Irritation: Eyes, Skin; Headache; Weakness; Abdominal Pain
Vinyl Chloride			
Other (specify)			
Semi-Volatile Organics			
Naphthalene			
PAHs			
Other (specify)			

Compounds	Levels		Symptoms of Acute Exposure
	Soil (mg/kg)	W/GW (µg/L)	
Petroleum Products			
Gasoline			
Fuel Oil #2			
Fuel Oil #6			
Petroleum Distillates			
Other (specify)			
Metals			
Arsenic			
Cadmium			
Chromium			
Lead			
Mercury			
Other(specify)			
PCBs			
Coal/MGP Tar			
Pesticides			
Asbestos			
Fiberglass			
Other (specify)			

Chemicals Brought On-Site by FE

Alconox
Gasoline
Dilute Hydrochloric Acid
Methanol
Dilute Nitric Acid
Dilute Sulfuric Acid

Other (specify)

Is there a high potential for a chemical release beyond an incidental release? No
If yes, explain:

Potential Physical Hazards

Check all that apply.

Unknown/Partially Characterized	X	Heat Stress	X
Cold Exposure		Stored Energy	
Electrical (other than lines)		Confined Space*	
Explosion*		Heavy Machinery	
Fire		Slippery Surfaces	X
Toxic Gases		Fall Potential	X

Oxygen Deficiency*		Poisonous Plants	X
Pinch Points		Venomous Spiders	X
Uneven Terrain		Wild Animals	X
Noise		Utility Lines	
Traffic		Biological Waste (specify)	
Venomous Snakes	X		
Mosquitoes, Ticks or other Biting Insects	X	Flying or Falling Material	
Poor Visibility/Inadequate Light		Pump Winch	
Ionizing Radiation*		Other (specify)	

Overall Hazard Evaluation

Overall: High Medium Low X Unknown

Justification: Active manufacturing environment.

Section 7 Risk Control

Utilities

Utility Markout N/A

Utility	Req.	Company Name	Telephone #	Markout Ticket Confirmation #	Date
One Call					
Gas:					
Electric:					
Water:					
Sewer:					
Telephone:					
Cable:					

Activity modifications to address onsite utility lines:

PPE

Primary protective equipment to be worn during this task

Level C Level D Level D Modified X

If PPE beyond Level D is required, consult the Project Manager or Senior Management

* If this risk is identified, Senior Management must approve the HASP.

Equipment	Primary	Conting**
Respiratory		
Respirator (full)		
Respirator (half)		
Cartridge type:		
P100		
Combo		
Other		
Dust Mask		
Not Needed	X	
Head and Eye		
Safety Glasses		
Face Shield		
Goggles		
Hard Hat		
Not Needed		
Ears		
Hearing Protection		

Equipment	Primary	Conting**
Feet		
Steel Toe Safety Boots		
Overboots		
Workboots		X
No Special Reqts.		
Hands		
Nitrile Gloves	X	
Overgloves		
Not Needed		
Body		
Tyvek Coverall		
Polycoated Tyvek		
Cold Weather Gear (carhart)		
Rain Gear	X	
Safety Vest	X	
Not Needed		

Other PPE Requirements:

Trigger for Contingency Requirements:**

Other Equipment and Supplies:

Lighting	
Potable Water	
Insect Repellent	X
Fire Extinguisher (2.5 lb)	
Fire Extinguisher (5 lb)	
Fire Extinguisher (10 lb)	
Eyewash Kit	
Spill Kit	
First Aid Kit	X
Other (specify):	

Restroom Facilities Location:

If equipment at the facility is to be relied on, list the equipment and location:

Equipment	Location
None	

Operational Control Procedures:

Decontamination Procedures:

Follow the Field Decontamination Procedure. List any differences or additions below.
None

Discharge Control Measures
Discharge Control Measures:
All purge water will be drummed and run through the treatment system.

** If contingency is necessary, move from work area and consult the Project Manager or other Senior Personnel prior to upgrading.

Waste Disposal Practices:
Specify Waste Disposal Practices:

Waste Type	Sample	Containerize	Dispose of off Site	Return to Site	Dispose in FE Solid Waste
Drill Cuttings					
Purge Water		X			
Soil					
PPE and other field related waste			X		
Other (Specify)	Common trash			X	

Additional waste handling instructions:
None

Additional discharge control instructions:
None

General Safe Work Practices:
To ensure the safety of First Environment personnel and the public at a site where fieldwork is being conducted, the Safe Work Practices listed below will be followed.

- Good housekeeping practices are to be maintained.
- A "buddy system" in which another worker is close enough to render immediate aid will be in effect when specified in the HASP.
- In the event of treacherous weather-related working conditions field tasks will be suspended until conditions improve or appropriate protection from the elements is provided.
- Smoking, eating, chewing gum or tobacco, or drinking are forbidden except in clean or designated area.
- Ignition of flammable liquids within or through improvised heating devices is forbidden.
- Contact with samples, excavated materials, or other contaminated materials must be minimized.
- Use of contact lenses is not advisable.
- If drilling equipment is involved, know where the 'kill switch' is.
- All electrical equipment used in outside locations, wet area or near water must be plugged into ground fault circuit interrupter protected outlets.
- Illumination - Work in the early morning or at dusk may require site lighting.

List any differences or additions below:

Buddy System required? No
If yes, describe circumstances:

Lockout – Tagout:
Is lockout – tagout required? No
Specify equipment to be locked out:
Follow the Lockout - Tagout procedure. List any differences or additions below:

Exclusion Zones:
Will exclusion zones be used at the site? No
If yes, zones indicated on the site map?

Emergency Response Procedures

Field Emergency Response:
Follow the Field Emergency Response Procedure. List any differences or additions below
None

Spill Response:
Follow the Field Spill Response Procedure. List any differences or additions below.
None

Is a stand-by external emergency response contractor required?
Date Contacted: NA Contacted by: NA

H&S Monitoring and Measurement:

H&S Field Monitoring Required? No
If so, follow the Health and Safety Monitoring Table below.

Corrective/Preventive Action

In the event that corrective action becomes necessary and is taken in the field or a necessary preventive action is identified, the Field Team must ensure the notification of the PM so that appropriate modifications can be made to the HASP and fieldwork activities. In the event that a corrective or preventive action has application beyond the immediate project and work being performed, a PCAN must be filed.

Audits

As part of First Environment's ISO 14001 EMS, the HASP and its implementation are subject to internal audit and audit by our third party auditor. Findings are addressed through the PCAN Process.

This page reserved for a site map showing work locations, staging areas, exclusion zones as appropriate, emergency response equipment locations as appropriate, and the evacuation route and muster point.

H&S Monitoring

Type of Meter/Monitoring	Monitors	Check if to be Used/ Done	Surveillance Methodology (select one)		Monitoring Locations	Guidance Action Levels*	Site Action Levels**
			Determined by FTL Based on Site Conditions	Specified Frequency			
Photoionization Detector (PID)	Total Volatile Organics levels				Head Space of Wells	5 ppm above background - evay	
9.8eV 10.2eV 10.6 eV 11.7eV	X	X					
Flame Ionization Detector (FID)	Total Volatile Organics levels					5 ppm above background - evacuate and notify	
Multi-gas meters							
Oxygen	Oxygen levels					< 21% - notify < 19.5% - evacuate	
Combustible Gas	LEL					10-20% - notify >20% - evacuate	
CO	Toxic gas levels					>9 ppm – notify	
H2S	Toxic gas levels					>10 ppm – notify	
Other Gas (Specify)							
Other equipment (specify) (FROG TM 4000)	Total Volatile Organics levels						

* For notify action levels, move off worksite and contact PM to take corrective action or upgrade PPE. For evacuation move off worksite and contact PM for further instructions.
**If site levels are different from guidance levels specify reason:

Section 8 Plan Approval

Plan Prepared by:	Scott Green & Michael Slack	Date:	7/6/17
Plan Reviewed/Approved by:	Mete Talimcioglu	Date:	7/6/17
Project Manager:	Art Clarke	Date:	1/13/17

If modifications are made to the plan, it must be reviewed and approved again. The revision number and approval date on the first page must be changed.

Section 9 FE Personnel Acknowledgement

First Environment employees assigned to work on-site have attended 40-hour HAZWOPER training and annual refreshers, as applicable, per 29 CFR 1910.120, and have been certified medically fit by a qualified occupational physician to work on hazardous sites and to wear a respirator. Medical and training records are maintained by Human Resources.

By signing below, First Environment employees acknowledge that they:

- have read and understand this Site Health and Safety Plan
- meet the training and medical fitness requirements
- understand the process of continual improvement and will use the PCAN process.

The effectiveness of this Health and Safety Plan is determined through periodic auditing as part of our ISO 14001 Environmental Management System.

If review of the plan at the site indicates changes to the HASP are necessary, provide the specifics on the last page of this HASP (Make changes in the HASP and initial the changes).

	Name	Responsibilities	Site Task	Signature	Subcontractors: Sub HASP[3]	Subcontractors: Guide R&A[4]	Subcontractors: N/A[5]	Date
1	MICHAEL SLACK	(FTL) / FT / FHSO	SEMI-ANNUAL SAMPLING OVERSIGHT DURING SAMPLING	MLT-Sly	* ☑	☑	☐	7/10/17
2	MICHAEL SLACK	(FTL) / FT / FHSO	SEMI-ANNUAL SAMPLING EVENT- OVERSIGHT DURING SAMPLING	MLT-Sly	☑	☑	☐	7/11/17
3	MICHAEL SLACK	(FTL) / FT / FHSO	SEMI-ANNUAL SAMPLING EVENT- OVERSIGHT DURING SAMPLING		☑	☑	☐	7/12/17
4	MICHAEL SLACK	(FTL) / FT / FHSO	SEMI-ANNUAL SAMPLING EVENT OVERSIGHT DURING SAMPLING		☑	☑	☐	7/13/17
5	MICHAEL SLACK	(FTL) / FT / FHSO	SEMI-ANNUA SAMPLING EVENT OVERSIGHT DURING SAMPLING		☑	☑	☐	7/14/17
6	MICHAEL SLACK	(FTL) / FT / FHSO	SEMI-ANNUAL SAMPLING EVENT- OVERSIGHT DURING SAMPLING		☑	☑	☐	7/17/17
7		FTL / FT / FHSO			☐	☐	☐	

* SUB-CONTRACTOR HAD OWN HASP (FIELD VERIFIED)

[3] Subcontractor is using HASP onsite and has reviewed it with employees
[4] Subcontractor has received our Guide for Subcontractors and Vendors and has signed the Read and Acknowledge Form
[5] Not applicable – No subcontractor present

8	FTL / FT / FHSO	☐	☐	☐
9	FTL / FT / FHSO	☐	☐	☐
10	FTL / FT / FHSO	☐	☐	☐
11	FTL / FT / FHSO	☐	☐	☐
12	FTL / FT / FHSO	☐	☐	☐
13	FTL / FT / FHSO	☐	☐	☐
14	FTL / FT / FHSO	☐	☐	☐
15	FTL / FT / FHSO	☐	☐	☐
16	FTL / FT / FHSO	☐	☐	☐
17	FTL / FT / FHSO	☐	☐	☐
18	FTL / FT / FHSO	☐	☐	☐
19	FTL / FT / FHSO	☐	☐	☐
20	FTL / FT / FHSO	☐	☐	☐
21	FTL / FT / FHSO	☐	☐	☐
22	FTL / FT / FHSO	☐	☐	☐
23	FTL / FT / FHSO	☐	☐	☐

[3] Subcontractor is using HASP onsite and has reviewed it with employees
[4] Subcontractor has received our Guide for Subcontractors and Vendors and has signed the Read and Acknowledge Form
[5] Not applicable – No subcontractor present

24	FTL / FT / FHSO	☐	☐	☐
25	FTL / FT / FHSO	☐	☐	☐
26	FTL / FT / FHSO	☐	☐	☐
27	FTL / FT / FHSO	☐	☐	☐
28	FTL / FT / FHSO	☐	☐	☐
29	FTL / FT / FHSO	☐	☐	☐
30	FTL / FT / FHSO	☐	☐	☐

If review of the plan at the site indicates changes to the HASP are necessary, provide the specifics below (Make changes in the HASP and initial the changes).

NO CHANGES NEEDED; SUB HAD OWN HASP WHICH WAS VERIFIED BY FTL (M. SLACK - FE)

Date: 7/17/17

FTL: 7/17/17 MICHAEL SLACK

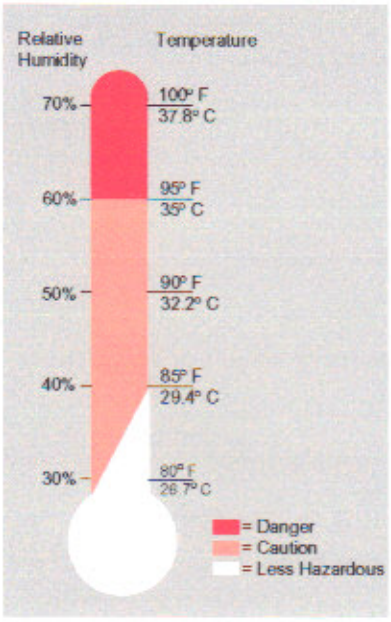
[3] Subcontractor is using HASP onsite and has reviewed it with employees
[4] Subcontractor has received our Guide for Subcontractors and Vendors and has signed the Read and Acknowledge Form
[5] Not applicable – No subcontractor present

Section 10
Attach MSDSs.

THE HEAT EQUATION

HIGH TEMPERATURE + HIGH HUMIDITY + PHYSICAL WORK = HEAT ILLNESS

When the body is unable to cool itself through sweating, **serious** heat illnesses may occur. The most severe heat-induced illnesses are **heat exhaustion** and **heat stroke**. If actions are not taken to treat heat exhaustion, the illness could progress to heat stroke and possible **death**.



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1998

HEAT EXHAUSTION

What Happens to the Body:

HEADACHES, DIZZINESS/LIGHT HEADEDNESS, WEAKNESS, MOOD CHANGES (irritable, or confused/can't think straight), FEELING SICK TO YOUR STOMACH, VOMITING/THROWING UP, DECREASED and DARK COLORED URINE, FAINTING/PASSING OUT, and PALE CLAMMY SKIN.

What Should Be Done:

- Move the person to a cool shaded area to rest. Don't leave the person alone. If the person is dizzy or light headed, lay them on their back and raise their legs about 6-8 inches. If the person is sick to their stomach lay them on their side.
- Loosen and remove any heavy clothing.
- Have the person drink some cool water (a small cup every 15 minutes) if they are not feeling sick to their stomach.
- Try to cool the person by fanning them. Cool the skin with a cool spray mist of water or wet cloth.
- If the person does not feel better in a few minutes call for emergency help (Ambulance or Call 911).

(If heat exhaustion is not treated, the illness may advance to heat stroke.)

HEAT STROKE—A MEDICAL EMERGENCY

What Happens to the Body:

DRY PALE SKIN (no sweating), HOT RED SKIN (looks like a sunburn), MOOD CHANGES (irritable, confused/not making any sense), SEIZURES/FITS, and COLLAPSE/PASSED OUT (will not respond).

What Should Be Done:

- Call for emergency help (Ambulance or Call 911).
- Move the person to a cool shaded area. Don't leave the person alone. Lay them on their back and if the person is having seizures/fits remove any objects close to them so they won't strike against them. If the person is sick to their stomach lay them on their side.
- Remove any heavy and outer clothing.
- Have the person drink some cool water (a small cup every 15 minutes) if they are alert enough to drink anything and not feeling sick to their stomach.
- Try to cool the person by fanning them. Cool the skin with a cool spray mist of water, wet cloth, or wet sheet.
- If ice is available, place ice packs under the arm pits and groin area.

How to Protect Workers

- Learn the signs and symptoms of heat-induced illnesses and what to do to help the worker.
- Train the workforce about heat-induced illnesses.
- Perform the heaviest work in the coolest part of the day.
- Slowly build up tolerance to the heat and the work activity (usually takes up to 2 weeks).
- Use the buddy system (work in pairs).
- Drink plenty of cool water (one small cup every 15-20 minutes)
- Wear light, loose-fitting, breathable (like cotton) clothing.
- Take frequent short breaks in cool shaded areas (allow your body to cool down).
- Avoid eating large meals before working in hot environments.
- Avoid caffeine and alcoholic beverages (these beverages make the body lose water and increase the risk for heat illnesses).

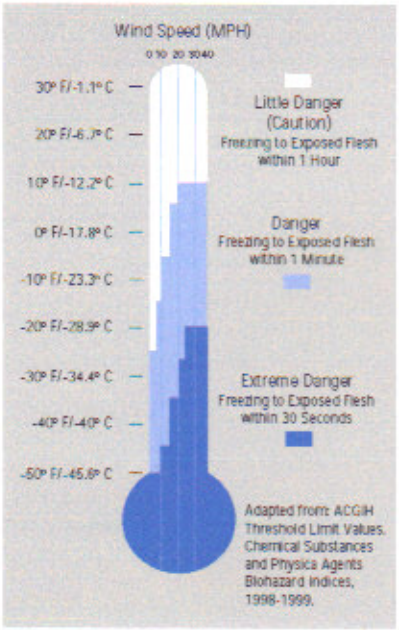
Workers Are at Increased Risk When

- They take certain medication (check with your doctor, nurse, or pharmacy and ask if any medicines you are taking affect you when working in hot environments).
- They have had a heat-induced illness in the past.
- They wear personal protective equipment (like respirators or suits).

THE COLD STRESS EQUATION

LOW TEMPERATURE + WIND SPEED + WETNESS = INJURIES & ILLNESS

When the body is unable to warm itself, serious cold-related illnesses and injuries may occur, and permanent tissue damage and death may result. **Hypothermia** can occur when *land temperatures* are **above** freezing or *water temperatures* are below 98.6°F/ 37°C. Cold-related illnesses can slowly overcome a person who has been chilled by low temperatures, brisk winds, or wet clothing.



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1998

FROST BITE

What Happens to the Body:

FREEZING IN DEEP LAYERS OF SKIN AND TISSUE; PALE, WAXY-WHITE SKIN COLOR; SKIN BECOMES HARD and NUMB; USUALLY AFFECTS THE FINGERS, HANDS, TOES, FEET, EARS, and NOSE.

What Should Be Done: (land temperatures)

- Move the person to a warm dry area. Don't leave the person alone.
- Remove any wet or tight clothing that may cut off blood flow to the affected area.
- **DO NOT** rub the affected area, because rubbing causes damage to the skin and tissue.
- **Gently** place the affected area in a warm (105°F) water bath and monitor the water temperature to **slowly** warm the tissue. Don't pour warm water directly on the affected area because it will warm the tissue too fast causing tissue damage. Warming takes about 25-40 minutes.
- After the affected area has been warmed, it may become puffy and blister. The affected area may have a burning feeling or numbness. When normal feeling, movement, and skin color have returned, the affected area should be dried and wrapped to keep it warm. **Note:** If there is a chance the affected area may get cold again, do not warm the skin. If the skin is warmed and then becomes cold again, it will cause severe tissue damage.
- Seek medical attention as soon as possible.

HYPOTHERMIA - (Medical Emergency)

What Happens to the Body:

NORMAL BODY TEMPERATURE (98.6°F/37°C) DROPS TO OR BELOW 95°F (35°C); FATIGUE OR DROWSINESS; UNCONTROLLED SHIVERING; COOL BLUISH SKIN; SLURRED SPEECH; CLUMSY MOVEMENTS; IRRITABLE, IRRATIONAL OR CONFUSED BEHAVIOR.

What Should Be Done: (land temperatures)

- Call for emergency help (i.e., Ambulance or Call 911).
- Move the person to a warm, dry area. Don't leave the person alone. Remove any wet clothing and replace with warm, dry clothing or wrap the person in blankets.
- Have the person drink warm, sweet drinks (sugar water or sports-type drinks) if they are alert. **Avoid drinks with caffeine** (coffee, tea, or hot chocolate) or alcohol.
- Have the person move their arms and legs to create muscle heat. If they are unable to do this, place warm bottles or hot packs in the arm pits, groin, neck, and head areas. **DO NOT** rub the person's body or place them in warm water bath. This may stop their heart.

What Should Be Done: (water temperatures)

- Call for emergency help (Ambulance or Call 911). Body heat is lost up to 25 times faster in water.
- **DO NOT** remove any clothing. Button, buckle, zip, and tighten any collars, cuffs, shoes, and hoods because the layer of trapped water closest to the body provides a layer of insulation that slows the loss of heat. Keep the head out of the water and put on a hat or hood.
- Get out of the water as quickly as possible or climb on anything floating. **DO NOT** attempt to swim unless a floating object or another person can be reached because swimming or other physical activity uses the body's heat and reduces survival time by about 50 percent.
- If getting out of the water is not possible, wait quietly and conserve body heat by folding arms across the chest, keeping thighs together, bending knees, and crossing ankles. If another person is in the water, huddle together with chests held closely.

How to Protect Workers

- Recognize the environmental and workplace conditions that lead to potential cold-induced illnesses and injuries.
- Learn the signs and symptoms of cold-induced illnesses/injuries and what to do to help the worker.
- Train the workforce about cold-induced illnesses and injuries.
- Select proper clothing for cold, wet, and windy conditions. Layer clothing to adjust to changing environmental temperatures. Wear a hat and gloves, in addition to underwear that will keep water away from the skin (polypropylene).
- Take frequent short breaks in warm dry shelters to allow the body to warm up.
- Perform work during the warmest part of the day.
- Avoid exhaustion or fatigue because energy is needed to keep muscles warm.
- Use the buddy system (work in pairs).
- Drink warm, sweet beverages (sugar water, sports-type drinks). Avoid drinks with caffeine (coffee, tea, or hot chocolate) or alcohol.
- Eat warm, high-calorie foods like hot pasta dishes.

Workers Are at Increased Risk When...

- They have predisposing health conditions such as cardiovascular disease, diabetes, and hypertension.
- They take certain medication (check with your doctor, nurse, or pharmacy and ask if any medicines you are taking affect you while working in cold environments).
- They are in poor physical condition, have a poor diet, or are older.

APPENDIX C

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 07/25/2017

GCAL Report 217071937

Project W.L. Burle

Deliver To	***Additional Recipients***
Kevin Moore W.L. Burle 111 S Walnut St. Greenville, MS 38701 662-577-1449	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

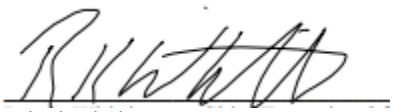
J or I	Indicates the result is between the MDL and LOQ
J	DOD flag on analyte in the parent sample for MS/MSD outside acceptance criteria
U	Indicates the compound was analyzed for but not detected
B or V	Indicates the analyte was detected in the associated Method Blank
Q	Indicates a non-compliant QC Result (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 217071937

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: General Accounts **Report:** 217071937

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 21707193703 (MW-35), 21707193706 (MW-20), 21707193707 (MW-27), 21707193709 (MW-8S), 21707193713 (MW-43), 21707193715 (MW-25D), 21707193717 (MW-53), 21707193723 (MW-42), 21707193725 (Dup 01), 21707193726 (Dup 02), 21707193719 (MW-46) and 21707193722 (MW-44) had to be diluted to bracket the concentration of target analytes within the calibration range of the instrument. The dilution is reflected in elevated detection limits.

In the EPA 8260B analysis for analytical batch 614799, the LCS and/or LCSD recoveries are above the upper control limit for Methylene chloride. This analyte was not detected in the associated samples.

Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21707193701	Trip Blank	Water	07/10/2017 09:02	07/19/2017 13:40
21707193702	MW-52	Water	07/10/2017 09:02	07/19/2017 13:40
21707193703	MW-35	Water	07/10/2017 11:06	07/19/2017 13:40
21707193704	MW-30S	Water	07/10/2017 13:56	07/19/2017 13:40
21707193705	MW-30D	Water	07/10/2017 15:20	07/19/2017 13:40
21707193706	MW-20	Water	07/10/2017 16:45	07/19/2017 13:40
21707193707	MW-27	Water	07/11/2017 09:54	07/19/2017 13:40
21707193708	MW-8D	Water	07/11/2017 12:06	07/19/2017 13:40
21707193709	MW-8S	Water	07/11/2017 15:39	07/19/2017 13:40
21707193710	NDW2	Water	07/12/2017 09:34	07/19/2017 13:40
21707193711	MW-49	Water	07/12/2017 12:07	07/19/2017 13:40
21707193712	MW-45	Water	07/12/2017 15:04	07/19/2017 13:40
21707193713	MW-43	Water	07/12/2017 17:38	07/19/2017 13:40
21707193714	MW-25S	Water	07/13/2017 08:55	07/19/2017 13:40
21707193715	MW-25D	Water	07/13/2017 10:28	07/19/2017 13:40
21707193716	MW-10	Water	07/13/2017 12:06	07/19/2017 13:40
21707193717	MW-53	Water	07/13/2017 16:40	07/19/2017 13:40
21707193718	MW-12	Water	07/14/2017 08:36	07/19/2017 13:40
21707193719	MW-46	Water	07/14/2017 11:18	07/19/2017 13:40
21707193720	MW-38S	Water	07/14/2017 14:16	07/19/2017 13:40
21707193721	MW-38D	Water	07/14/2017 16:19	07/19/2017 13:40
21707193722	MW-44	Water	07/17/2017 09:18	07/19/2017 13:40
21707193723	MW-42	Water	07/17/2017 11:55	07/19/2017 13:40
21707193724	Effluent	Water	07/17/2017 13:10	07/19/2017 13:40
21707193725	Dup 01	Water	07/10/2017 12:00	07/19/2017 13:40
21707193726	Dup 02	Water	07/13/2017 12:00	07/19/2017 13:40

Summary of Compounds Detected

MW-52

Collect Date 07/10/2017 09:02 **GCAL ID** 21707193702
Receive Date 07/19/2017 13:40 **Matrix** Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
79-01-6	Trichloroethene	9.83	5.00	ug/L

MW-35

Collect Date 07/10/2017 11:06 **GCAL ID** 21707193703
Receive Date 07/19/2017 13:40 **Matrix** Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
79-01-6	Trichloroethene	227	10.0	ug/L

MW-30D

Collect Date 07/10/2017 15:20 **GCAL ID** 21707193705
Receive Date 07/19/2017 13:40 **Matrix** Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
79-01-6	Trichloroethene	13.6	5.00	ug/L

MW-20

Collect Date 07/10/2017 16:45 **GCAL ID** 21707193706
Receive Date 07/19/2017 13:40 **Matrix** Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	256	100	ug/L
156-59-2	cis-1,2-Dichloroethene	256	50.0	ug/L
79-01-6	Trichloroethene	1080	50.0	ug/L

Summary of Compounds Detected

MW-27

Collect Date 07/11/2017 09:54 **GCAL ID** 21707193707
Receive Date 07/19/2017 13:40 **Matrix** Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	196	100	ug/L
156-59-2	cis-1,2-Dichloroethene	190	50.0	ug/L
79-01-6	Trichloroethene	1010	50.0	ug/L

MW-8S

Collect Date 07/11/2017 15:39 **GCAL ID** 21707193709
Receive Date 07/19/2017 13:40 **Matrix** Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	2250	1000	ug/L
156-59-2	cis-1,2-Dichloroethene	2250	500	ug/L
79-01-6	Trichloroethene	13200	500	ug/L

NDW2

Collect Date 07/12/2017 09:34 **GCAL ID** 21707193710
Receive Date 07/19/2017 13:40 **Matrix** Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
79-01-6	Trichloroethene	134	5.00	ug/L

MW-43

Collect Date 07/12/2017 17:38 **GCAL ID** 21707193713
Receive Date 07/19/2017 13:40 **Matrix** Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
79-01-6	Trichloroethene	660	50.0	ug/L

Summary of Compounds Detected

MW-25D

Collect Date 07/13/2017 10:28 **GCAL ID** 21707193715
Receive Date 07/19/2017 13:40 **Matrix** Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
156-59-2	cis-1,2-Dichloroethene	36.4	25.0	ug/L
79-01-6	Trichloroethene	308	25.0	ug/L

MW-10

Collect Date 07/13/2017 12:06 **GCAL ID** 21707193716
Receive Date 07/19/2017 13:40 **Matrix** Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
79-01-6	Trichloroethene	5.46	5.00	ug/L

MW-53

Collect Date 07/13/2017 16:40 **GCAL ID** 21707193717
Receive Date 07/19/2017 13:40 **Matrix** Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	21.8	20.0	ug/L
156-59-2	cis-1,2-Dichloroethene	21.8	10.0	ug/L
79-01-6	Trichloroethene	184	10.0	ug/L

MW-12

Collect Date 07/14/2017 08:36 **GCAL ID** 21707193718
Receive Date 07/19/2017 13:40 **Matrix** Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
79-01-6	Trichloroethene	21.7	5.00	ug/L

Summary of Compounds Detected

MW-46

Collect Date 07/14/2017 11:18 **GCAL ID** 21707193719
Receive Date 07/19/2017 13:40 **Matrix** Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
79-01-6	Trichloroethene	249	10.0	ug/L

MW-44

Collect Date 07/17/2017 09:18 **GCAL ID** 21707193722
Receive Date 07/19/2017 13:40 **Matrix** Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
156-59-2	cis-1,2-Dichloroethene	65.9	50.0	ug/L
79-01-6	Trichloroethene	1180	50.0	ug/L

MW-42

Collect Date 07/17/2017 11:55 **GCAL ID** 21707193723
Receive Date 07/19/2017 13:40 **Matrix** Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
156-59-2	cis-1,2-Dichloroethene	13.5	10.0	ug/L
79-01-6	Trichloroethene	172	10.0	ug/L

Dup 01

Collect Date 07/10/2017 12:00 **GCAL ID** 21707193725
Receive Date 07/19/2017 13:40 **Matrix** Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	139	100	ug/L
156-59-2	cis-1,2-Dichloroethene	139	50.0	ug/L
79-01-6	Trichloroethene	887	50.0	ug/L

Summary of Compounds Detected

Dup 02	**Collect Date**	07/13/2017 12:00	**GCAL ID**	21707193726
	Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	22.8	20.0	ug/L
156-59-2	cis-1,2-Dichloroethene	22.8	10.0	ug/L
79-01-6	Trichloroethene	259	10.0	ug/L

Sample Results

Trip Blank

Collect Date	07/10/2017 09:02	**GCAL ID**	21707193701
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	07/20/2017 11:17	GDG	614555

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	07/10/2017 09:02	**GCAL ID**	21707193701
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	07/20/2017 11:17	GDG	614555

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	50.2	ug/L	100	78 - 130
1868-53-7	Dibromofluoromethane	50	52.5	ug/L	105	77 - 127
2037-26-5	Toluene d8	50	52.6	ug/L	105	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.6	ug/L	101	71 - 127

MW-52

Collect Date	07/10/2017 09:02	**GCAL ID**	21707193702
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	07/20/2017 11:38	GDG	614555

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-52	**Collect Date**	07/10/2017 09:02	**GCAL ID**	21707193702
	Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	07/20/2017 11:38	GDG	614555

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)	ND	10.0	ug/L
78-87-5	1,2-Dichloropropane	ND	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	ND	5.00	ug/L
142-28-9	1,3-Dichloropropane	ND	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	ND	5.00	ug/L
594-20-7	2,2-Dichloropropane	ND	5.00	ug/L
78-93-3	2-Butanone	ND	5.00	ug/L
95-49-8	2-Chlorotoluene	ND	5.00	ug/L
591-78-6	2-Hexanone	ND	5.00	ug/L
106-43-4	4-Chlorotoluene	ND	5.00	ug/L
99-87-6	4-Isopropyltoluene	ND	5.00	ug/L
108-10-1	4-Methyl-2-pentanone	ND	5.00	ug/L
67-64-1	Acetone	ND	5.00	ug/L
71-43-2	Benzene	ND	5.00	ug/L
108-86-1	Bromobenzene	ND	5.00	ug/L
74-97-5	Bromochloromethane	ND	5.00	ug/L
75-27-4	Bromodichloromethane	ND	5.00	ug/L
75-25-2	Bromoform	ND	5.00	ug/L
74-83-9	Bromomethane	ND	5.00	ug/L
75-15-0	Carbon disulfide	ND	5.00	ug/L
56-23-5	Carbon tetrachloride	ND	5.00	ug/L
108-90-7	Chlorobenzene	ND	5.00	ug/L
75-00-3	Chloroethane	ND	5.00	ug/L
67-66-3	Chloroform	ND	5.00	ug/L
74-87-3	Chloromethane	ND	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	ND	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	5.00	ug/L
124-48-1	Dibromochloromethane	ND	5.00	ug/L
74-95-3	Dibromomethane	ND	5.00	ug/L
75-71-8	Dichlorodifluoromethane	ND	5.00	ug/L
100-41-4	Ethylbenzene	ND	5.00	ug/L
87-68-3	Hexachlorobutadiene	ND	5.00	ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	5.00	ug/L
136777-61-2	m,p-Xylene	ND	10.0	ug/L
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-52

Collect Date	07/10/2017 09:02	**GCAL ID**	21707193702
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	07/20/2017 11:38	GDG	614555

CAS#	Parameter	Result	LOQ	Units
103-65-1	n-Propylbenzene	ND	5.00	ug/L
95-47-6	o-Xylene	ND	5.00	ug/L
135-98-8	sec-Butylbenzene	ND	5.00	ug/L
100-42-5	Styrene	ND	5.00	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	5.00	ug/L
98-06-6	tert-Butylbenzene	ND	5.00	ug/L
127-18-4	Tetrachloroethene	ND	5.00	ug/L
108-88-3	Toluene	ND	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	5.00	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.00	ug/L
79-01-6	**Trichloroethene**	**9.83**	**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	53.1	ug/L	106	77 - 127
2037-26-5	Toluene d8	50	52.6	ug/L	105	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	52.2	ug/L	104	71 - 127

MW-35

Collect Date	07/10/2017 11:06	**GCAL ID**	21707193703
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	2	07/20/2017 12:02	GDG	614555

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	ND	10.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	10.0	ug/L
79-00-5	1,1,2-Trichloroethane	ND	10.0	ug/L
75-34-3	1,1-Dichloroethane	ND	10.0	ug/L
75-35-4	1,1-Dichloroethene	ND	10.0	ug/L
563-58-6	1,1-Dichloropropene	ND	10.0	ug/L
96-18-4	1,2,3-Trichloropropane	ND	10.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	10.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	10.0	ug/L

Sample Results

MW-35	**Collect Date**	07/10/2017 11:06	**GCAL ID**	21707193703
	Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	2	07/20/2017 12:02	GDG	614555

CAS#	Parameter	Result	LOQ	Units
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)	ND	20.0	ug/L
78-87-5	1,2-Dichloropropane	ND	10.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	10.0	ug/L
541-73-1	1,3-Dichlorobenzene	ND	10.0	ug/L
142-28-9	1,3-Dichloropropane	ND	10.0	ug/L
106-46-7	1,4-Dichlorobenzene	ND	10.0	ug/L
594-20-7	2,2-Dichloropropane	ND	10.0	ug/L
78-93-3	2-Butanone	ND	10.0	ug/L
95-49-8	2-Chlorotoluene	ND	10.0	ug/L
591-78-6	2-Hexanone	ND	10.0	ug/L
106-43-4	4-Chlorotoluene	ND	10.0	ug/L
99-87-6	4-Isopropyltoluene	ND	10.0	ug/L
108-10-1	4-Methyl-2-pentanone	ND	10.0	ug/L
67-64-1	Acetone	ND	10.0	ug/L
71-43-2	Benzene	ND	10.0	ug/L
108-86-1	Bromobenzene	ND	10.0	ug/L
74-97-5	Bromochloromethane	ND	10.0	ug/L
75-27-4	Bromodichloromethane	ND	10.0	ug/L
75-25-2	Bromoform	ND	10.0	ug/L
74-83-9	Bromomethane	ND	10.0	ug/L
75-15-0	Carbon disulfide	ND	10.0	ug/L
56-23-5	Carbon tetrachloride	ND	10.0	ug/L
108-90-7	Chlorobenzene	ND	10.0	ug/L
75-00-3	Chloroethane	ND	10.0	ug/L
67-66-3	Chloroform	ND	10.0	ug/L
74-87-3	Chloromethane	ND	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	ND	10.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	10.0	ug/L
124-48-1	Dibromochloromethane	ND	10.0	ug/L
74-95-3	Dibromomethane	ND	10.0	ug/L
75-71-8	Dichlorodifluoromethane	ND	10.0	ug/L
100-41-4	Ethylbenzene	ND	10.0	ug/L
87-68-3	Hexachlorobutadiene	ND	10.0	ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	10.0	ug/L
136777-61-2	m,p-Xylene	ND	20.0	ug/L
75-09-2	Methylene chloride	ND	10.0	ug/L
91-20-3	Naphthalene	ND	10.0	ug/L
104-51-8	n-Butylbenzene	ND	10.0	ug/L
103-65-1	n-Propylbenzene	ND	10.0	ug/L
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

Sample Results

MW-35

Collect Date	07/10/2017 11:06	**GCAL ID**	21707193703
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	2	07/20/2017 12:02	GDG	614555

CAS#	Parameter	Result	LOQ	Units
98-06-6	tert-Butylbenzene	ND	10.0	ug/L
127-18-4	Tetrachloroethene	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**	**227**	**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	113	ug/L	113	77 - 127
2037-26-5	Toluene d8	100	109	ug/L	109	76 - 134
17060-07-0	1,2-Dichloroethane-d4	100	105	ug/L	105	71 - 127

MW-30S

Collect Date	07/10/2017 13:56	**GCAL ID**	21707193704
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	07/20/2017 12:24	GDG	614555

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

Sample Results

MW-30S	**Collect Date**	07/10/2017 13:56	**GCAL ID**	21707193704
	Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	07/20/2017 12:24	GDG	614555

CAS#	Parameter	Result	LOQ	Units
78-87-5	1,2-Dichloropropane	ND	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	ND	5.00	ug/L
142-28-9	1,3-Dichloropropane	ND	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	ND	5.00	ug/L
594-20-7	2,2-Dichloropropane	ND	5.00	ug/L
78-93-3	2-Butanone	ND	5.00	ug/L
95-49-8	2-Chlorotoluene	ND	5.00	ug/L
591-78-6	2-Hexanone	ND	5.00	ug/L
106-43-4	4-Chlorotoluene	ND	5.00	ug/L
99-87-6	4-Isopropyltoluene	ND	5.00	ug/L
108-10-1	4-Methyl-2-pentanone	ND	5.00	ug/L
67-64-1	Acetone	ND	5.00	ug/L
71-43-2	Benzene	ND	5.00	ug/L
108-86-1	Bromobenzene	ND	5.00	ug/L
74-97-5	Bromochloromethane	ND	5.00	ug/L
75-27-4	Bromodichloromethane	ND	5.00	ug/L
75-25-2	Bromoform	ND	5.00	ug/L
74-83-9	Bromomethane	ND	5.00	ug/L
75-15-0	Carbon disulfide	ND	5.00	ug/L
56-23-5	Carbon tetrachloride	ND	5.00	ug/L
108-90-7	Chlorobenzene	ND	5.00	ug/L
75-00-3	Chloroethane	ND	5.00	ug/L
67-66-3	Chloroform	ND	5.00	ug/L
74-87-3	Chloromethane	ND	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	ND	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	5.00	ug/L
124-48-1	Dibromochloromethane	ND	5.00	ug/L
74-95-3	Dibromomethane	ND	5.00	ug/L
75-71-8	Dichlorodifluoromethane	ND	5.00	ug/L
100-41-4	Ethylbenzene	ND	5.00	ug/L
87-68-3	Hexachlorobutadiene	ND	5.00	ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	5.00	ug/L
136777-61-2	m,p-Xylene	ND	10.0	ug/L
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

Sample Results

MW-30S

Collect Date	07/10/2017 13:56	**GCAL ID**	21707193704
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	07/20/2017 12:24	GDG	614555

CAS#	Parameter	Result	LOQ	Units
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	49.2	ug/L	98	78 - 130
1868-53-7	Dibromofluoromethane	50	53.1	ug/L	106	77 - 127
2037-26-5	Toluene d8	50	52.4	ug/L	105	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	51	ug/L	102	71 - 127

MW-30D

Collect Date	07/10/2017 15:20	**GCAL ID**	21707193705
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	07/20/2017 12:45	GDG	614555

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

Sample Results

MW-30D	**Collect Date**	07/10/2017 15:20	**GCAL ID**	21707193705
	Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	07/20/2017 12:45	GDG	614555

CAS#	Parameter	Result	LOQ	Units
594-20-7	2,2-Dichloropropane	ND	5.00	ug/L
78-93-3	2-Butanone	ND	5.00	ug/L
95-49-8	2-Chlorotoluene	ND	5.00	ug/L
591-78-6	2-Hexanone	ND	5.00	ug/L
106-43-4	4-Chlorotoluene	ND	5.00	ug/L
99-87-6	4-Isopropyltoluene	ND	5.00	ug/L
108-10-1	4-Methyl-2-pentanone	ND	5.00	ug/L
67-64-1	Acetone	ND	5.00	ug/L
71-43-2	Benzene	ND	5.00	ug/L
108-86-1	Bromobenzene	ND	5.00	ug/L
74-97-5	Bromochloromethane	ND	5.00	ug/L
75-27-4	Bromodichloromethane	ND	5.00	ug/L
75-25-2	Bromoform	ND	5.00	ug/L
74-83-9	Bromomethane	ND	5.00	ug/L
75-15-0	Carbon disulfide	ND	5.00	ug/L
56-23-5	Carbon tetrachloride	ND	5.00	ug/L
108-90-7	Chlorobenzene	ND	5.00	ug/L
75-00-3	Chloroethane	ND	5.00	ug/L
67-66-3	Chloroform	ND	5.00	ug/L
74-87-3	Chloromethane	ND	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	ND	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	5.00	ug/L
124-48-1	Dibromochloromethane	ND	5.00	ug/L
74-95-3	Dibromomethane	ND	5.00	ug/L
75-71-8	Dichlorodifluoromethane	ND	5.00	ug/L
100-41-4	Ethylbenzene	ND	5.00	ug/L
87-68-3	Hexachlorobutadiene	ND	5.00	ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	5.00	ug/L
136777-61-2	m,p-Xylene	ND	10.0	ug/L
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**	**13.6**	**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

Sample Results

MW-30D

Collect Date	07/10/2017 15:20	**GCAL ID**	21707193705
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	07/20/2017 12:45	GDG	614555

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

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	47.4	ug/L	95	78 - 130
1868-53-7	Dibromofluoromethane	50	50.7	ug/L	101	77 - 127
2037-26-5	Toluene d8	50	52.9	ug/L	106	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.5	ug/L	101	71 - 127

MW-20

Collect Date	07/10/2017 16:45	**GCAL ID**	21707193706
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	10	07/20/2017 13:09	GDG	614555

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	50.0	ug/L
71-55-6	1,1,1-Trichloroethane	ND	50.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	50.0	ug/L
79-00-5	1,1,2-Trichloroethane	ND	50.0	ug/L
75-34-3	1,1-Dichloroethane	ND	50.0	ug/L
75-35-4	1,1-Dichloroethene	ND	50.0	ug/L
563-58-6	1,1-Dichloropropene	ND	50.0	ug/L
96-18-4	1,2,3-Trichloropropane	ND	50.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	50.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	50.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	50.0	ug/L
106-93-4	1,2-Dibromoethane	ND	50.0	ug/L
95-50-1	1,2-Dichlorobenzene	ND	50.0	ug/L
107-06-2	1,2-Dichloroethane	ND	50.0	ug/L
540-59-0	**1,2-Dichloroethene(Total)**	**256**	**100**	**ug/L**
78-87-5	1,2-Dichloropropane	ND	50.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	50.0	ug/L
541-73-1	1,3-Dichlorobenzene	ND	50.0	ug/L
142-28-9	1,3-Dichloropropane	ND	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	ND	50.0	ug/L
594-20-7	2,2-Dichloropropane	ND	50.0	ug/L
78-93-3	2-Butanone	ND	50.0	ug/L
95-49-8	2-Chlorotoluene	ND	50.0	ug/L
591-78-6	2-Hexanone	ND	50.0	ug/L
106-43-4	4-Chlorotoluene	ND	50.0	ug/L

Sample Results

MW-20	**Collect Date**	07/10/2017 16:45	**GCAL ID**	21707193706
	Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	10	07/20/2017 13:09	GDG	614555

CAS#	Parameter	Result	LOQ	Units
99-87-6	4-Isopropyltoluene	ND	50.0	ug/L
108-10-1	4-Methyl-2-pentanone	ND	50.0	ug/L
67-64-1	Acetone	ND	50.0	ug/L
71-43-2	Benzene	ND	50.0	ug/L
108-86-1	Bromobenzene	ND	50.0	ug/L
74-97-5	Bromochloromethane	ND	50.0	ug/L
75-27-4	Bromodichloromethane	ND	50.0	ug/L
75-25-2	Bromoform	ND	50.0	ug/L
74-83-9	Bromomethane	ND	50.0	ug/L
75-15-0	Carbon disulfide	ND	50.0	ug/L
56-23-5	Carbon tetrachloride	ND	50.0	ug/L
108-90-7	Chlorobenzene	ND	50.0	ug/L
75-00-3	Chloroethane	ND	50.0	ug/L
67-66-3	Chloroform	ND	50.0	ug/L
74-87-3	Chloromethane	ND	50.0	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**256**	**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
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
127-18-4	Tetrachloroethene	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**	**1080**	**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

Sample Results

MW-20

Collect Date	07/10/2017 16:45	**GCAL ID**	21707193706
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	10	07/20/2017 13:09	GDG	614555

CAS#	Parameter	Result	LOQ	Units
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	471	ug/L	94	78 - 130
1868-53-7	Dibromofluoromethane	500	551	ug/L	110	77 - 127
2037-26-5	Toluene d8	500	529	ug/L	106	76 - 134
17060-07-0	1,2-Dichloroethane-d4	500	538	ug/L	108	71 - 127

MW-27

Collect Date	07/11/2017 09:54	**GCAL ID**	21707193707
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	10	07/20/2017 13:33	GDG	614555

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	50.0	ug/L
71-55-6	1,1,1-Trichloroethane	ND	50.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	50.0	ug/L
79-00-5	1,1,2-Trichloroethane	ND	50.0	ug/L
75-34-3	1,1-Dichloroethane	ND	50.0	ug/L
75-35-4	1,1-Dichloroethene	ND	50.0	ug/L
563-58-6	1,1-Dichloropropene	ND	50.0	ug/L
96-18-4	1,2,3-Trichloropropane	ND	50.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	50.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	50.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	50.0	ug/L
106-93-4	1,2-Dibromoethane	ND	50.0	ug/L
95-50-1	1,2-Dichlorobenzene	ND	50.0	ug/L
107-06-2	1,2-Dichloroethane	ND	50.0	ug/L
540-59-0	**1,2-Dichloroethene(Total)**	**196**	**100**	**ug/L**
78-87-5	1,2-Dichloropropane	ND	50.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	50.0	ug/L
541-73-1	1,3-Dichlorobenzene	ND	50.0	ug/L
142-28-9	1,3-Dichloropropane	ND	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	ND	50.0	ug/L
594-20-7	2,2-Dichloropropane	ND	50.0	ug/L
78-93-3	2-Butanone	ND	50.0	ug/L
95-49-8	2-Chlorotoluene	ND	50.0	ug/L
591-78-6	2-Hexanone	ND	50.0	ug/L
106-43-4	4-Chlorotoluene	ND	50.0	ug/L

Sample Results

MW-27	**Collect Date**	07/11/2017 09:54	**GCAL ID**	21707193707
	Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	10	07/20/2017 13:33	GDG	614555

CAS#	Parameter	Result	LOQ	Units
99-87-6	4-Isopropyltoluene	ND	50.0	ug/L
108-10-1	4-Methyl-2-pentanone	ND	50.0	ug/L
67-64-1	Acetone	ND	50.0	ug/L
71-43-2	Benzene	ND	50.0	ug/L
108-86-1	Bromobenzene	ND	50.0	ug/L
74-97-5	Bromochloromethane	ND	50.0	ug/L
75-27-4	Bromodichloromethane	ND	50.0	ug/L
75-25-2	Bromoform	ND	50.0	ug/L
74-83-9	Bromomethane	ND	50.0	ug/L
75-15-0	Carbon disulfide	ND	50.0	ug/L
56-23-5	Carbon tetrachloride	ND	50.0	ug/L
108-90-7	Chlorobenzene	ND	50.0	ug/L
75-00-3	Chloroethane	ND	50.0	ug/L
67-66-3	Chloroform	ND	50.0	ug/L
74-87-3	Chloromethane	ND	50.0	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**190**	**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
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
127-18-4	Tetrachloroethene	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**	**1010**	**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

Sample Results

MW-27

Collect Date	07/11/2017 09:54	**GCAL ID**	21707193707
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	10	07/20/2017 13:33	GDG	614555

CAS#	Parameter	Result	LOQ	Units
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	486	ug/L	97	78 - 130
1868-53-7	Dibromofluoromethane	500	565	ug/L	113	77 - 127
2037-26-5	Toluene d8	500	518	ug/L	104	76 - 134
17060-07-0	1,2-Dichloroethane-d4	500	519	ug/L	104	71 - 127

MW-8D

Collect Date	07/11/2017 12:06	**GCAL ID**	21707193708
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	07/20/2017 13:54	GDG	614555

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

Sample Results

MW-8D	**Collect Date**	07/11/2017 12:06	**GCAL ID**	21707193708
	Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	07/20/2017 13:54	GDG	614555

CAS#	Parameter	Result	LOQ	Units
99-87-6	4-Isopropyltoluene	ND	5.00	ug/L
108-10-1	4-Methyl-2-pentanone	ND	5.00	ug/L
67-64-1	Acetone	ND	5.00	ug/L
71-43-2	Benzene	ND	5.00	ug/L
108-86-1	Bromobenzene	ND	5.00	ug/L
74-97-5	Bromochloromethane	ND	5.00	ug/L
75-27-4	Bromodichloromethane	ND	5.00	ug/L
75-25-2	Bromoform	ND	5.00	ug/L
74-83-9	Bromomethane	ND	5.00	ug/L
75-15-0	Carbon disulfide	ND	5.00	ug/L
56-23-5	Carbon tetrachloride	ND	5.00	ug/L
108-90-7	Chlorobenzene	ND	5.00	ug/L
75-00-3	Chloroethane	ND	5.00	ug/L
67-66-3	Chloroform	ND	5.00	ug/L
74-87-3	Chloromethane	ND	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	ND	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	5.00	ug/L
124-48-1	Dibromochloromethane	ND	5.00	ug/L
74-95-3	Dibromomethane	ND	5.00	ug/L
75-71-8	Dichlorodifluoromethane	ND	5.00	ug/L
100-41-4	Ethylbenzene	ND	5.00	ug/L
87-68-3	Hexachlorobutadiene	ND	5.00	ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	5.00	ug/L
136777-61-2	m,p-Xylene	ND	10.0	ug/L
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

Sample Results

MW-8D

Collect Date	07/11/2017 12:06	**GCAL ID**	21707193708
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	07/20/2017 13:54	GDG	614555

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

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	49.8	ug/L	100	78 - 130
1868-53-7	Dibromofluoromethane	50	54.9	ug/L	110	77 - 127
2037-26-5	Toluene d8	50	52.4	ug/L	105	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	51.5	ug/L	103	71 - 127

MW-8S

Collect Date	07/11/2017 15:39	**GCAL ID**	21707193709
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	100	07/20/2017 14:16	GDG	614555

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	500	ug/L
71-55-6	1,1,1-Trichloroethane	ND	500	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	500	ug/L
79-00-5	1,1,2-Trichloroethane	ND	500	ug/L
75-34-3	1,1-Dichloroethane	ND	500	ug/L
75-35-4	1,1-Dichloroethene	ND	500	ug/L
563-58-6	1,1-Dichloropropene	ND	500	ug/L
96-18-4	1,2,3-Trichloropropane	ND	500	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	500	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	500	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	500	ug/L
106-93-4	1,2-Dibromoethane	ND	500	ug/L
95-50-1	1,2-Dichlorobenzene	ND	500	ug/L
107-06-2	1,2-Dichloroethane	ND	500	ug/L
540-59-0	**1,2-Dichloroethene(Total)**	**2250**	**1000**	**ug/L**
78-87-5	1,2-Dichloropropane	ND	500	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	500	ug/L
541-73-1	1,3-Dichlorobenzene	ND	500	ug/L
142-28-9	1,3-Dichloropropane	ND	500	ug/L
106-46-7	1,4-Dichlorobenzene	ND	500	ug/L
594-20-7	2,2-Dichloropropane	ND	500	ug/L
78-93-3	2-Butanone	ND	500	ug/L
95-49-8	2-Chlorotoluene	ND	500	ug/L
591-78-6	2-Hexanone	ND	500	ug/L
106-43-4	4-Chlorotoluene	ND	500	ug/L

Sample Results

MW-8S	**Collect Date**	07/11/2017 15:39	**GCAL ID**	21707193709
	Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	100	07/20/2017 14:16	GDG	614555

CAS#	Parameter	Result	LOQ	Units
99-87-6	4-Isopropyltoluene	ND	500	ug/L
108-10-1	4-Methyl-2-pentanone	ND	500	ug/L
67-64-1	Acetone	ND	500	ug/L
71-43-2	Benzene	ND	500	ug/L
108-86-1	Bromobenzene	ND	500	ug/L
74-97-5	Bromochloromethane	ND	500	ug/L
75-27-4	Bromodichloromethane	ND	500	ug/L
75-25-2	Bromoform	ND	500	ug/L
74-83-9	Bromomethane	ND	500	ug/L
75-15-0	Carbon disulfide	ND	500	ug/L
56-23-5	Carbon tetrachloride	ND	500	ug/L
108-90-7	Chlorobenzene	ND	500	ug/L
75-00-3	Chloroethane	ND	500	ug/L
67-66-3	Chloroform	ND	500	ug/L
74-87-3	Chloromethane	ND	500	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**2250**	**500**	**ug/L**
10061-01-5	cis-1,3-Dichloropropene	ND	500	ug/L
124-48-1	Dibromochloromethane	ND	500	ug/L
74-95-3	Dibromomethane	ND	500	ug/L
75-71-8	Dichlorodifluoromethane	ND	500	ug/L
100-41-4	Ethylbenzene	ND	500	ug/L
87-68-3	Hexachlorobutadiene	ND	500	ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	500	ug/L
136777-61-2	m,p-Xylene	ND	1000	ug/L
75-09-2	Methylene chloride	ND	500	ug/L
91-20-3	Naphthalene	ND	500	ug/L
104-51-8	n-Butylbenzene	ND	500	ug/L
103-65-1	n-Propylbenzene	ND	500	ug/L
95-47-6	o-Xylene	ND	500	ug/L
135-98-8	sec-Butylbenzene	ND	500	ug/L
100-42-5	Styrene	ND	500	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	500	ug/L
98-06-6	tert-Butylbenzene	ND	500	ug/L
127-18-4	Tetrachloroethene	ND	500	ug/L
108-88-3	Toluene	ND	500	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	500	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	500	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	500	ug/L
79-01-6	**Trichloroethene**	**13200**	**500**	**ug/L**
75-69-4	Trichlorofluoromethane	ND	500	ug/L
76-13-1	Trichlorotrifluoroethane	ND	500	ug/L
75-01-4	Vinyl chloride	ND	200	ug/L

Sample Results

MW-8S

Collect Date	07/11/2017 15:39	**GCAL ID**	21707193709
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	100	07/20/2017 14:16	GDG	614555

CAS#	Parameter	Result	LOQ	Units
1330-20-7	Xylene (total)	ND	1500	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	5000	4820	ug/L	96	78 - 130
1868-53-7	Dibromofluoromethane	5000	5460	ug/L	109	77 - 127
2037-26-5	Toluene d8	5000	5340	ug/L	107	76 - 134
17060-07-0	1,2-Dichloroethane-d4	5000	5390	ug/L	108	71 - 127

NDW2

Collect Date	07/12/2017 09:34	**GCAL ID**	21707193710
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	07/20/2017 14:37	GDG	614555

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

Sample Results

NDW2	**Collect Date**	07/12/2017 09:34	**GCAL ID**	21707193710
	Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	07/20/2017 14:37	GDG	614555

CAS#	Parameter	Result	LOQ	Units
99-87-6	4-Isopropyltoluene	ND	5.00	ug/L
108-10-1	4-Methyl-2-pentanone	ND	5.00	ug/L
67-64-1	Acetone	ND	5.00	ug/L
71-43-2	Benzene	ND	5.00	ug/L
108-86-1	Bromobenzene	ND	5.00	ug/L
74-97-5	Bromochloromethane	ND	5.00	ug/L
75-27-4	Bromodichloromethane	ND	5.00	ug/L
75-25-2	Bromoform	ND	5.00	ug/L
74-83-9	Bromomethane	ND	5.00	ug/L
75-15-0	Carbon disulfide	ND	5.00	ug/L
56-23-5	Carbon tetrachloride	ND	5.00	ug/L
108-90-7	Chlorobenzene	ND	5.00	ug/L
75-00-3	Chloroethane	ND	5.00	ug/L
67-66-3	Chloroform	ND	5.00	ug/L
74-87-3	Chloromethane	ND	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	ND	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	5.00	ug/L
124-48-1	Dibromochloromethane	ND	5.00	ug/L
74-95-3	Dibromomethane	ND	5.00	ug/L
75-71-8	Dichlorodifluoromethane	ND	5.00	ug/L
100-41-4	Ethylbenzene	ND	5.00	ug/L
87-68-3	Hexachlorobutadiene	ND	5.00	ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	5.00	ug/L
136777-61-2	m,p-Xylene	ND	10.0	ug/L
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**	**134**	**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

Sample Results

NDW2

Collect Date	07/12/2017 09:34	**GCAL ID**	21707193710
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	07/20/2017 14:37	GDG	614555

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

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	47.9	ug/L	96	78 - 130
1868-53-7	Dibromofluoromethane	50	51.4	ug/L	103	77 - 127
2037-26-5	Toluene d8	50	53	ug/L	106	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	51.1	ug/L	102	71 - 127

MW-49

Collect Date	07/12/2017 12:07	**GCAL ID**	21707193711
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	07/20/2017 14:58	GDG	614555

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

Sample Results

MW-49	**Collect Date**	07/12/2017 12:07	**GCAL ID**	21707193711
	Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	07/20/2017 14:58	GDG	614555

CAS#	Parameter	Result	LOQ	Units
99-87-6	4-Isopropyltoluene	ND	5.00	ug/L
108-10-1	4-Methyl-2-pentanone	ND	5.00	ug/L
67-64-1	Acetone	ND	5.00	ug/L
71-43-2	Benzene	ND	5.00	ug/L
108-86-1	Bromobenzene	ND	5.00	ug/L
74-97-5	Bromochloromethane	ND	5.00	ug/L
75-27-4	Bromodichloromethane	ND	5.00	ug/L
75-25-2	Bromoform	ND	5.00	ug/L
74-83-9	Bromomethane	ND	5.00	ug/L
75-15-0	Carbon disulfide	ND	5.00	ug/L
56-23-5	Carbon tetrachloride	ND	5.00	ug/L
108-90-7	Chlorobenzene	ND	5.00	ug/L
75-00-3	Chloroethane	ND	5.00	ug/L
67-66-3	Chloroform	ND	5.00	ug/L
74-87-3	Chloromethane	ND	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	ND	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	5.00	ug/L
124-48-1	Dibromochloromethane	ND	5.00	ug/L
74-95-3	Dibromomethane	ND	5.00	ug/L
75-71-8	Dichlorodifluoromethane	ND	5.00	ug/L
100-41-4	Ethylbenzene	ND	5.00	ug/L
87-68-3	Hexachlorobutadiene	ND	5.00	ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	5.00	ug/L
136777-61-2	m,p-Xylene	ND	10.0	ug/L
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

Sample Results

MW-49

Collect Date	07/12/2017 12:07	**GCAL ID**	21707193711
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	07/20/2017 14:58	GDG	614555

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

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	49.3	ug/L	99	78 - 130
1868-53-7	Dibromofluoromethane	50	53	ug/L	106	77 - 127
2037-26-5	Toluene d8	50	52.1	ug/L	104	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	51.5	ug/L	103	71 - 127

MW-45

Collect Date	07/12/2017 15:04	**GCAL ID**	21707193712
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	07/20/2017 15:19	GDG	614555

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

Sample Results

MW-45	**Collect Date**	07/12/2017 15:04	**GCAL ID**	21707193712
	Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	07/20/2017 15:19	GDG	614555

CAS#	Parameter	Result	LOQ	Units
99-87-6	4-Isopropyltoluene	ND	5.00	ug/L
108-10-1	4-Methyl-2-pentanone	ND	5.00	ug/L
67-64-1	Acetone	ND	5.00	ug/L
71-43-2	Benzene	ND	5.00	ug/L
108-86-1	Bromobenzene	ND	5.00	ug/L
74-97-5	Bromochloromethane	ND	5.00	ug/L
75-27-4	Bromodichloromethane	ND	5.00	ug/L
75-25-2	Bromoform	ND	5.00	ug/L
74-83-9	Bromomethane	ND	5.00	ug/L
75-15-0	Carbon disulfide	ND	5.00	ug/L
56-23-5	Carbon tetrachloride	ND	5.00	ug/L
108-90-7	Chlorobenzene	ND	5.00	ug/L
75-00-3	Chloroethane	ND	5.00	ug/L
67-66-3	Chloroform	ND	5.00	ug/L
74-87-3	Chloromethane	ND	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	ND	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	5.00	ug/L
124-48-1	Dibromochloromethane	ND	5.00	ug/L
74-95-3	Dibromomethane	ND	5.00	ug/L
75-71-8	Dichlorodifluoromethane	ND	5.00	ug/L
100-41-4	Ethylbenzene	ND	5.00	ug/L
87-68-3	Hexachlorobutadiene	ND	5.00	ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	5.00	ug/L
136777-61-2	m,p-Xylene	ND	10.0	ug/L
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

Sample Results

MW-45

Collect Date	07/12/2017 15:04	**GCAL ID**	21707193712
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	07/20/2017 15:19	GDG	614555

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

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	48.6	ug/L	97	78 - 130
1868-53-7	Dibromofluoromethane	50	45.8	ug/L	92	77 - 127
2037-26-5	Toluene d8	50	51.8	ug/L	104	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	46.6	ug/L	93	71 - 127

MW-43

Collect Date	07/12/2017 17:38	**GCAL ID**	21707193713
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	10	07/20/2017 15:43	GDG	614555

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	50.0	ug/L
71-55-6	1,1,1-Trichloroethane	ND	50.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	50.0	ug/L
79-00-5	1,1,2-Trichloroethane	ND	50.0	ug/L
75-34-3	1,1-Dichloroethane	ND	50.0	ug/L
75-35-4	1,1-Dichloroethene	ND	50.0	ug/L
563-58-6	1,1-Dichloropropene	ND	50.0	ug/L
96-18-4	1,2,3-Trichloropropane	ND	50.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	50.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	50.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	50.0	ug/L
106-93-4	1,2-Dibromoethane	ND	50.0	ug/L
95-50-1	1,2-Dichlorobenzene	ND	50.0	ug/L
107-06-2	1,2-Dichloroethane	ND	50.0	ug/L
540-59-0	1,2-Dichloroethene(Total)	ND	100	ug/L
78-87-5	1,2-Dichloropropane	ND	50.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	50.0	ug/L
541-73-1	1,3-Dichlorobenzene	ND	50.0	ug/L
142-28-9	1,3-Dichloropropane	ND	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	ND	50.0	ug/L
594-20-7	2,2-Dichloropropane	ND	50.0	ug/L
78-93-3	2-Butanone	ND	50.0	ug/L
95-49-8	2-Chlorotoluene	ND	50.0	ug/L
591-78-6	2-Hexanone	ND	50.0	ug/L
106-43-4	4-Chlorotoluene	ND	50.0	ug/L

Sample Results

MW-43	**Collect Date**	07/12/2017 17:38	**GCAL ID**	21707193713
	Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	10	07/20/2017 15:43	GDG	614555

CAS#	Parameter	Result	LOQ	Units
99-87-6	4-Isopropyltoluene	ND	50.0	ug/L
108-10-1	4-Methyl-2-pentanone	ND	50.0	ug/L
67-64-1	Acetone	ND	50.0	ug/L
71-43-2	Benzene	ND	50.0	ug/L
108-86-1	Bromobenzene	ND	50.0	ug/L
74-97-5	Bromochloromethane	ND	50.0	ug/L
75-27-4	Bromodichloromethane	ND	50.0	ug/L
75-25-2	Bromoform	ND	50.0	ug/L
74-83-9	Bromomethane	ND	50.0	ug/L
75-15-0	Carbon disulfide	ND	50.0	ug/L
56-23-5	Carbon tetrachloride	ND	50.0	ug/L
108-90-7	Chlorobenzene	ND	50.0	ug/L
75-00-3	Chloroethane	ND	50.0	ug/L
67-66-3	Chloroform	ND	50.0	ug/L
74-87-3	Chloromethane	ND	50.0	ug/L
156-59-2	cis-1,2-Dichloroethene	ND	50.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	50.0	ug/L
124-48-1	Dibromochloromethane	ND	50.0	ug/L
74-95-3	Dibromomethane	ND	50.0	ug/L
75-71-8	Dichlorodifluoromethane	ND	50.0	ug/L
100-41-4	Ethylbenzene	ND	50.0	ug/L
87-68-3	Hexachlorobutadiene	ND	50.0	ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	50.0	ug/L
136777-61-2	m,p-Xylene	ND	100	ug/L
75-09-2	Methylene chloride	ND	50.0	ug/L
91-20-3	Naphthalene	ND	50.0	ug/L
104-51-8	n-Butylbenzene	ND	50.0	ug/L
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
127-18-4	Tetrachloroethene	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**	**660**	**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

Sample Results

MW-43

Collect Date	07/12/2017 17:38	**GCAL ID**	21707193713
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	10	07/20/2017 15:43	GDG	614555

CAS#	Parameter	Result	LOQ	Units
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	505	ug/L	101	78 - 130
1868-53-7	Dibromofluoromethane	500	565	ug/L	113	77 - 127
2037-26-5	Toluene d8	500	545	ug/L	109	76 - 134
17060-07-0	1,2-Dichloroethane-d4	500	513	ug/L	103	71 - 127

MW-25S

Collect Date	07/13/2017 08:55	**GCAL ID**	21707193714
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	07/20/2017 16:05	GDG	614555

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

Sample Results

MW-25S	**Collect Date**	07/13/2017 08:55	**GCAL ID**	21707193714
	Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	07/20/2017 16:05	GDG	614555

CAS#	Parameter	Result	LOQ	Units
99-87-6	4-Isopropyltoluene	ND	5.00	ug/L
108-10-1	4-Methyl-2-pentanone	ND	5.00	ug/L
67-64-1	Acetone	ND	5.00	ug/L
71-43-2	Benzene	ND	5.00	ug/L
108-86-1	Bromobenzene	ND	5.00	ug/L
74-97-5	Bromochloromethane	ND	5.00	ug/L
75-27-4	Bromodichloromethane	ND	5.00	ug/L
75-25-2	Bromoform	ND	5.00	ug/L
74-83-9	Bromomethane	ND	5.00	ug/L
75-15-0	Carbon disulfide	ND	5.00	ug/L
56-23-5	Carbon tetrachloride	ND	5.00	ug/L
108-90-7	Chlorobenzene	ND	5.00	ug/L
75-00-3	Chloroethane	ND	5.00	ug/L
67-66-3	Chloroform	ND	5.00	ug/L
74-87-3	Chloromethane	ND	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	ND	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	5.00	ug/L
124-48-1	Dibromochloromethane	ND	5.00	ug/L
74-95-3	Dibromomethane	ND	5.00	ug/L
75-71-8	Dichlorodifluoromethane	ND	5.00	ug/L
100-41-4	Ethylbenzene	ND	5.00	ug/L
87-68-3	Hexachlorobutadiene	ND	5.00	ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	5.00	ug/L
136777-61-2	m,p-Xylene	ND	10.0	ug/L
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

Sample Results

MW-25S

Collect Date	07/13/2017 08:55	**GCAL ID**	21707193714
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	07/20/2017 16:05	GDG	614555

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

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	47.8	ug/L	96	78 - 130
1868-53-7	Dibromofluoromethane	50	43.9	ug/L	88	77 - 127
2037-26-5	Toluene d8	50	61.5	ug/L	123	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	44.5	ug/L	89	71 - 127

MW-25D

Collect Date	07/13/2017 10:28	**GCAL ID**	21707193715
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	5	07/20/2017 16:29	GDG	614555

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	25.0	ug/L
71-55-6	1,1,1-Trichloroethane	ND	25.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	25.0	ug/L
79-00-5	1,1,2-Trichloroethane	ND	25.0	ug/L
75-34-3	1,1-Dichloroethane	ND	25.0	ug/L
75-35-4	1,1-Dichloroethene	ND	25.0	ug/L
563-58-6	1,1-Dichloropropene	ND	25.0	ug/L
96-18-4	1,2,3-Trichloropropane	ND	25.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	25.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	25.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	25.0	ug/L
106-93-4	1,2-Dibromoethane	ND	25.0	ug/L
95-50-1	1,2-Dichlorobenzene	ND	25.0	ug/L
107-06-2	1,2-Dichloroethane	ND	25.0	ug/L
540-59-0	1,2-Dichloroethene(Total)	ND	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

Sample Results

MW-25D	**Collect Date**	07/13/2017 10:28	**GCAL ID**	21707193715
	Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	5	07/20/2017 16:29	GDG	614555

CAS#	Parameter	Result	LOQ	Units
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**	**36.4**	**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
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
127-18-4	Tetrachloroethene	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**	**308**	**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

Sample Results

MW-25D

Collect Date	07/13/2017 10:28	**GCAL ID**	21707193715
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	5	07/20/2017 16:29	GDG	614555

CAS#	Parameter	Result	LOQ	Units
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	235	ug/L	94	78 - 130
1868-53-7	Dibromofluoromethane	250	262	ug/L	105	77 - 127
2037-26-5	Toluene d8	250	253	ug/L	101	76 - 134
17060-07-0	1,2-Dichloroethane-d4	250	250	ug/L	100	71 - 127

MW-10

Collect Date	07/13/2017 12:06	**GCAL ID**	21707193716
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	07/20/2017 16:50	GDG	614555

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

Sample Results

MW-10	**Collect Date**	07/13/2017 12:06	**GCAL ID**	21707193716
	Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	07/20/2017 16:50	GDG	614555

CAS#	Parameter	Result	LOQ	Units
99-87-6	4-Isopropyltoluene	ND	5.00	ug/L
108-10-1	4-Methyl-2-pentanone	ND	5.00	ug/L
67-64-1	Acetone	ND	5.00	ug/L
71-43-2	Benzene	ND	5.00	ug/L
108-86-1	Bromobenzene	ND	5.00	ug/L
74-97-5	Bromochloromethane	ND	5.00	ug/L
75-27-4	Bromodichloromethane	ND	5.00	ug/L
75-25-2	Bromoform	ND	5.00	ug/L
74-83-9	Bromomethane	ND	5.00	ug/L
75-15-0	Carbon disulfide	ND	5.00	ug/L
56-23-5	Carbon tetrachloride	ND	5.00	ug/L
108-90-7	Chlorobenzene	ND	5.00	ug/L
75-00-3	Chloroethane	ND	5.00	ug/L
67-66-3	Chloroform	ND	5.00	ug/L
74-87-3	Chloromethane	ND	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	ND	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	5.00	ug/L
124-48-1	Dibromochloromethane	ND	5.00	ug/L
74-95-3	Dibromomethane	ND	5.00	ug/L
75-71-8	Dichlorodifluoromethane	ND	5.00	ug/L
100-41-4	Ethylbenzene	ND	5.00	ug/L
87-68-3	Hexachlorobutadiene	ND	5.00	ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	5.00	ug/L
136777-61-2	m,p-Xylene	ND	10.0	ug/L
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**	**5.46**	**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

Sample Results

MW-10

Collect Date	07/13/2017 12:06	**GCAL ID**	21707193716
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	07/20/2017 16:50	GDG	614555

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

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	48.4	ug/L	97	78 - 130
1868-53-7	Dibromofluoromethane	50	54.5	ug/L	109	77 - 127
2037-26-5	Toluene d8	50	51.7	ug/L	103	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	51.4	ug/L	103	71 - 127

MW-53

Collect Date	07/13/2017 16:40	**GCAL ID**	21707193717
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	2	07/20/2017 17:14	GDG	614555

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	ND	10.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	10.0	ug/L
79-00-5	1,1,2-Trichloroethane	ND	10.0	ug/L
75-34-3	1,1-Dichloroethane	ND	10.0	ug/L
75-35-4	1,1-Dichloroethene	ND	10.0	ug/L
563-58-6	1,1-Dichloropropene	ND	10.0	ug/L
96-18-4	1,2,3-Trichloropropane	ND	10.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	10.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	10.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	10.0	ug/L
106-93-4	1,2-Dibromoethane	ND	10.0	ug/L
95-50-1	1,2-Dichlorobenzene	ND	10.0	ug/L
107-06-2	1,2-Dichloroethane	ND	10.0	ug/L
540-59-0	**1,2-Dichloroethene(Total)**	**21.8**	**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

Sample Results

MW-53	**Collect Date**	07/13/2017 16:40	**GCAL ID**	21707193717
	Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	2	07/20/2017 17:14	GDG	614555

CAS#	Parameter	Result	LOQ	Units
99-87-6	4-Isopropyltoluene	ND	10.0	ug/L
108-10-1	4-Methyl-2-pentanone	ND	10.0	ug/L
67-64-1	Acetone	ND	10.0	ug/L
71-43-2	Benzene	ND	10.0	ug/L
108-86-1	Bromobenzene	ND	10.0	ug/L
74-97-5	Bromochloromethane	ND	10.0	ug/L
75-27-4	Bromodichloromethane	ND	10.0	ug/L
75-25-2	Bromoform	ND	10.0	ug/L
74-83-9	Bromomethane	ND	10.0	ug/L
75-15-0	Carbon disulfide	ND	10.0	ug/L
56-23-5	Carbon tetrachloride	ND	10.0	ug/L
108-90-7	Chlorobenzene	ND	10.0	ug/L
75-00-3	Chloroethane	ND	10.0	ug/L
67-66-3	Chloroform	ND	10.0	ug/L
74-87-3	Chloromethane	ND	10.0	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**21.8**	**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
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
127-18-4	Tetrachloroethene	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**	**184**	**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

Sample Results

MW-53

Collect Date	07/13/2017 16:40	**GCAL ID**	21707193717
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	2	07/20/2017 17:14	GDG	614555

CAS#	Parameter	Result	LOQ	Units
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	98.4	ug/L	98	78 - 130
1868-53-7	Dibromofluoromethane	100	115	ug/L	115	77 - 127
2037-26-5	Toluene d8	100	108	ug/L	108	76 - 134
17060-07-0	1,2-Dichloroethane-d4	100	112	ug/L	112	71 - 127

MW-12

Collect Date	07/14/2017 08:36	**GCAL ID**	21707193718
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	07/20/2017 17:35	GDG	614555

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

Sample Results

MW-12	**Collect Date**	07/14/2017 08:36	**GCAL ID**	21707193718
	Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	07/20/2017 17:35	GDG	614555

CAS#	Parameter	Result	LOQ	Units
99-87-6	4-Isopropyltoluene	ND	5.00	ug/L
108-10-1	4-Methyl-2-pentanone	ND	5.00	ug/L
67-64-1	Acetone	ND	5.00	ug/L
71-43-2	Benzene	ND	5.00	ug/L
108-86-1	Bromobenzene	ND	5.00	ug/L
74-97-5	Bromochloromethane	ND	5.00	ug/L
75-27-4	Bromodichloromethane	ND	5.00	ug/L
75-25-2	Bromoform	ND	5.00	ug/L
74-83-9	Bromomethane	ND	5.00	ug/L
75-15-0	Carbon disulfide	ND	5.00	ug/L
56-23-5	Carbon tetrachloride	ND	5.00	ug/L
108-90-7	Chlorobenzene	ND	5.00	ug/L
75-00-3	Chloroethane	ND	5.00	ug/L
67-66-3	Chloroform	ND	5.00	ug/L
74-87-3	Chloromethane	ND	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	ND	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	5.00	ug/L
124-48-1	Dibromochloromethane	ND	5.00	ug/L
74-95-3	Dibromomethane	ND	5.00	ug/L
75-71-8	Dichlorodifluoromethane	ND	5.00	ug/L
100-41-4	Ethylbenzene	ND	5.00	ug/L
87-68-3	Hexachlorobutadiene	ND	5.00	ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	5.00	ug/L
136777-61-2	m,p-Xylene	ND	10.0	ug/L
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**	**21.7**	**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

Sample Results

MW-12

Collect Date	07/14/2017 08:36	**GCAL ID**	21707193718
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	07/20/2017 17:35	GDG	614555

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

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	48.4	ug/L	97	78 - 130
1868-53-7	Dibromofluoromethane	50	55	ug/L	110	77 - 127
2037-26-5	Toluene d8	50	52	ug/L	104	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	51	ug/L	102	71 - 127

MW-46

Collect Date	07/14/2017 11:18	**GCAL ID**	21707193719
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	2	07/23/2017 00:29	IXE	614724

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

Sample Results

MW-46	**Collect Date**	07/14/2017 11:18	**GCAL ID**	21707193719
	Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	2	07/23/2017 00:29	IXE	614724

CAS#	Parameter	Result	LOQ	Units
99-87-6	4-Isopropyltoluene	ND	10.0	ug/L
108-10-1	4-Methyl-2-pentanone	ND	10.0	ug/L
67-64-1	Acetone	ND	10.0	ug/L
71-43-2	Benzene	ND	10.0	ug/L
108-86-1	Bromobenzene	ND	10.0	ug/L
74-97-5	Bromochloromethane	ND	10.0	ug/L
75-27-4	Bromodichloromethane	ND	10.0	ug/L
75-25-2	Bromoform	ND	10.0	ug/L
74-83-9	Bromomethane	ND	10.0	ug/L
75-15-0	Carbon disulfide	ND	10.0	ug/L
56-23-5	Carbon tetrachloride	ND	10.0	ug/L
108-90-7	Chlorobenzene	ND	10.0	ug/L
75-00-3	Chloroethane	ND	10.0	ug/L
67-66-3	Chloroform	ND	10.0	ug/L
74-87-3	Chloromethane	ND	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	ND	10.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	10.0	ug/L
124-48-1	Dibromochloromethane	ND	10.0	ug/L
74-95-3	Dibromomethane	ND	10.0	ug/L
75-71-8	Dichlorodifluoromethane	ND	10.0	ug/L
100-41-4	Ethylbenzene	ND	10.0	ug/L
87-68-3	Hexachlorobutadiene	ND	10.0	ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	10.0	ug/L
136777-61-2	m,p-Xylene	ND	20.0	ug/L
75-09-2	Methylene chloride	ND	10.0	ug/L
91-20-3	Naphthalene	ND	10.0	ug/L
104-51-8	n-Butylbenzene	ND	10.0	ug/L
103-65-1	n-Propylbenzene	ND	10.0	ug/L
95-47-6	o-Xylene	ND	10.0	ug/L
135-98-8	sec-Butylbenzene	ND	10.0	ug/L
100-42-5	Styrene	ND	10.0	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	10.0	ug/L
98-06-6	tert-Butylbenzene	ND	10.0	ug/L
127-18-4	Tetrachloroethene	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**	**249**	**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

Sample Results

MW-46

Collect Date	07/14/2017 11:18	**GCAL ID**	21707193719
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	2	07/23/2017 00:29	IXE	614724

CAS#	Parameter	Result	LOQ	Units
1330-20-7	Xylene (total)	ND	30.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	100	99.3	ug/L	99	78 - 130
1868-53-7	Dibromofluoromethane	100	109	ug/L	109	77 - 127
2037-26-5	Toluene d8	100	114	ug/L	114	76 - 134
17060-07-0	1,2-Dichloroethane-d4	100	112	ug/L	112	71 - 127

MW-38S

Collect Date	07/14/2017 14:16	**GCAL ID**	21707193720
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	07/20/2017 18:21	GDG	614555

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

Sample Results

MW-38S	**Collect Date**	07/14/2017 14:16	**GCAL ID**	21707193720
	Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	07/20/2017 18:21	GDG	614555

CAS#	Parameter	Result	LOQ	Units
99-87-6	4-Isopropyltoluene	ND	5.00	ug/L
108-10-1	4-Methyl-2-pentanone	ND	5.00	ug/L
67-64-1	Acetone	ND	5.00	ug/L
71-43-2	Benzene	ND	5.00	ug/L
108-86-1	Bromobenzene	ND	5.00	ug/L
74-97-5	Bromochloromethane	ND	5.00	ug/L
75-27-4	Bromodichloromethane	ND	5.00	ug/L
75-25-2	Bromoform	ND	5.00	ug/L
74-83-9	Bromomethane	ND	5.00	ug/L
75-15-0	Carbon disulfide	ND	5.00	ug/L
56-23-5	Carbon tetrachloride	ND	5.00	ug/L
108-90-7	Chlorobenzene	ND	5.00	ug/L
75-00-3	Chloroethane	ND	5.00	ug/L
67-66-3	Chloroform	ND	5.00	ug/L
74-87-3	Chloromethane	ND	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	ND	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	5.00	ug/L
124-48-1	Dibromochloromethane	ND	5.00	ug/L
74-95-3	Dibromomethane	ND	5.00	ug/L
75-71-8	Dichlorodifluoromethane	ND	5.00	ug/L
100-41-4	Ethylbenzene	ND	5.00	ug/L
87-68-3	Hexachlorobutadiene	ND	5.00	ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	5.00	ug/L
136777-61-2	m,p-Xylene	ND	10.0	ug/L
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

Sample Results

MW-38S

Collect Date	07/14/2017 14:16	**GCAL ID**	21707193720
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	07/20/2017 18:21	GDG	614555

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

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	49.7	ug/L	99	78 - 130
1868-53-7	Dibromofluoromethane	50	53.8	ug/L	108	77 - 127
2037-26-5	Toluene d8	50	52.8	ug/L	106	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	53	ug/L	106	71 - 127

MW-38D

Collect Date	07/14/2017 16:19	**GCAL ID**	21707193721
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	07/20/2017 18:09	LBH	614604

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

Sample Results

MW-38D	**Collect Date**	07/14/2017 16:19	**GCAL ID**	21707193721
	Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	07/20/2017 18:09	LBH	614604

CAS#	Parameter	Result	LOQ	Units
99-87-6	4-Isopropyltoluene	ND	5.00	ug/L
108-10-1	4-Methyl-2-pentanone	ND	5.00	ug/L
67-64-1	Acetone	ND	5.00	ug/L
71-43-2	Benzene	ND	5.00	ug/L
108-86-1	Bromobenzene	ND	5.00	ug/L
74-97-5	Bromochloromethane	ND	5.00	ug/L
75-27-4	Bromodichloromethane	ND	5.00	ug/L
75-25-2	Bromoform	ND	5.00	ug/L
74-83-9	Bromomethane	ND	5.00	ug/L
75-15-0	Carbon disulfide	ND	5.00	ug/L
56-23-5	Carbon tetrachloride	ND	5.00	ug/L
108-90-7	Chlorobenzene	ND	5.00	ug/L
75-00-3	Chloroethane	ND	5.00	ug/L
67-66-3	Chloroform	ND	5.00	ug/L
74-87-3	Chloromethane	ND	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	ND	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	5.00	ug/L
124-48-1	Dibromochloromethane	ND	5.00	ug/L
74-95-3	Dibromomethane	ND	5.00	ug/L
75-71-8	Dichlorodifluoromethane	ND	5.00	ug/L
100-41-4	Ethylbenzene	ND	5.00	ug/L
87-68-3	Hexachlorobutadiene	ND	5.00	ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	5.00	ug/L
136777-61-2	m,p-Xylene	ND	10.0	ug/L
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

Sample Results

MW-38D

Collect Date	07/14/2017 16:19	**GCAL ID**	21707193721
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	07/20/2017 18:09	LBH	614604

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

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	53.3	ug/L	107	78 - 130
1868-53-7	Dibromofluoromethane	50	52	ug/L	104	77 - 127
2037-26-5	Toluene d8	50	49.8	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	48.7	ug/L	97	71 - 127

MW-44

Collect Date	07/17/2017 09:18	**GCAL ID**	21707193722
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	10	07/24/2017 14:44	JCK	614799

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	50.0	ug/L
71-55-6	1,1,1-Trichloroethane	ND	50.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	50.0	ug/L
79-00-5	1,1,2-Trichloroethane	ND	50.0	ug/L
75-34-3	1,1-Dichloroethane	ND	50.0	ug/L
75-35-4	1,1-Dichloroethene	ND	50.0	ug/L
563-58-6	1,1-Dichloropropene	ND	50.0	ug/L
96-18-4	1,2,3-Trichloropropane	ND	50.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	50.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	50.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	50.0	ug/L
106-93-4	1,2-Dibromoethane	ND	50.0	ug/L
95-50-1	1,2-Dichlorobenzene	ND	50.0	ug/L
107-06-2	1,2-Dichloroethane	ND	50.0	ug/L
540-59-0	1,2-Dichloroethene(Total)	ND	100	ug/L
78-87-5	1,2-Dichloropropane	ND	50.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	50.0	ug/L
541-73-1	1,3-Dichlorobenzene	ND	50.0	ug/L
142-28-9	1,3-Dichloropropane	ND	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	ND	50.0	ug/L
594-20-7	2,2-Dichloropropane	ND	50.0	ug/L
78-93-3	2-Butanone	ND	50.0	ug/L
95-49-8	2-Chlorotoluene	ND	50.0	ug/L
591-78-6	2-Hexanone	ND	50.0	ug/L
106-43-4	4-Chlorotoluene	ND	50.0	ug/L

Sample Results

MW-44	**Collect Date**	07/17/2017 09:18	**GCAL ID**	21707193722
	Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	10	07/24/2017 14:44	JCK	614799

CAS#	Parameter	Result	LOQ	Units
99-87-6	4-Isopropyltoluene	ND	50.0	ug/L
108-10-1	4-Methyl-2-pentanone	ND	50.0	ug/L
67-64-1	Acetone	ND	50.0	ug/L
71-43-2	Benzene	ND	50.0	ug/L
108-86-1	Bromobenzene	ND	50.0	ug/L
74-97-5	Bromochloromethane	ND	50.0	ug/L
75-27-4	Bromodichloromethane	ND	50.0	ug/L
75-25-2	Bromoform	ND	50.0	ug/L
74-83-9	Bromomethane	ND	50.0	ug/L
75-15-0	Carbon disulfide	ND	50.0	ug/L
56-23-5	Carbon tetrachloride	ND	50.0	ug/L
108-90-7	Chlorobenzene	ND	50.0	ug/L
75-00-3	Chloroethane	ND	50.0	ug/L
67-66-3	Chloroform	ND	50.0	ug/L
74-87-3	Chloromethane	ND	50.0	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**65.9**	**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
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
127-18-4	Tetrachloroethene	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**	**1180**	**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

Sample Results

MW-44

Collect Date	07/17/2017 09:18	**GCAL ID**	21707193722
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	10	07/24/2017 14:44	JCK	614799

CAS#	Parameter	Result	LOQ	Units
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	437	ug/L	87	78 - 130
1868-53-7	Dibromofluoromethane	500	577	ug/L	115	77 - 127
2037-26-5	Toluene d8	500	563	ug/L	113	76 - 134
17060-07-0	1,2-Dichloroethane-d4	500	559	ug/L	112	71 - 127

MW-42

Collect Date	07/17/2017 11:55	**GCAL ID**	21707193723
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	2	07/20/2017 18:34	LBH	614604

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

Sample Results

MW-42	**Collect Date**	07/17/2017 11:55	**GCAL ID**	21707193723
	Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	2	07/20/2017 18:34	LBH	614604

CAS#	Parameter	Result	LOQ	Units
99-87-6	4-Isopropyltoluene	ND	10.0	ug/L
108-10-1	4-Methyl-2-pentanone	ND	10.0	ug/L
67-64-1	Acetone	ND	10.0	ug/L
71-43-2	Benzene	ND	10.0	ug/L
108-86-1	Bromobenzene	ND	10.0	ug/L
74-97-5	Bromochloromethane	ND	10.0	ug/L
75-27-4	Bromodichloromethane	ND	10.0	ug/L
75-25-2	Bromoform	ND	10.0	ug/L
74-83-9	Bromomethane	ND	10.0	ug/L
75-15-0	Carbon disulfide	ND	10.0	ug/L
56-23-5	Carbon tetrachloride	ND	10.0	ug/L
108-90-7	Chlorobenzene	ND	10.0	ug/L
75-00-3	Chloroethane	ND	10.0	ug/L
67-66-3	Chloroform	ND	10.0	ug/L
74-87-3	Chloromethane	ND	10.0	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**13.5**	**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
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
127-18-4	Tetrachloroethene	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**	**172**	**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

Sample Results

MW-42

Collect Date	07/17/2017 11:55	**GCAL ID**	21707193723
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	2	07/20/2017 18:34	LBH	614604

CAS#	Parameter	Result	LOQ	Units
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	108	ug/L	108	78 - 130
1868-53-7	Dibromofluoromethane	100	105	ug/L	105	77 - 127
2037-26-5	Toluene d8	100	101	ug/L	101	76 - 134
17060-07-0	1,2-Dichloroethane-d4	100	95.3	ug/L	95	71 - 127

Effluent

Collect Date	07/17/2017 13:10	**GCAL ID**	21707193724
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	07/20/2017 18:56	LBH	614604

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

Sample Results

Effluent

Collect Date	07/17/2017 13:10	**GCAL ID**	21707193724
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	07/20/2017 18:56	LBH	614604

CAS#	Parameter	Result	LOQ	Units
99-87-6	4-Isopropyltoluene	ND	5.00	ug/L
108-10-1	4-Methyl-2-pentanone	ND	5.00	ug/L
67-64-1	Acetone	ND	5.00	ug/L
71-43-2	Benzene	ND	5.00	ug/L
108-86-1	Bromobenzene	ND	5.00	ug/L
74-97-5	Bromochloromethane	ND	5.00	ug/L
75-27-4	Bromodichloromethane	ND	5.00	ug/L
75-25-2	Bromoform	ND	5.00	ug/L
74-83-9	Bromomethane	ND	5.00	ug/L
75-15-0	Carbon disulfide	ND	5.00	ug/L
56-23-5	Carbon tetrachloride	ND	5.00	ug/L
108-90-7	Chlorobenzene	ND	5.00	ug/L
75-00-3	Chloroethane	ND	5.00	ug/L
67-66-3	Chloroform	ND	5.00	ug/L
74-87-3	Chloromethane	ND	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	ND	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	5.00	ug/L
124-48-1	Dibromochloromethane	ND	5.00	ug/L
74-95-3	Dibromomethane	ND	5.00	ug/L
75-71-8	Dichlorodifluoromethane	ND	5.00	ug/L
100-41-4	Ethylbenzene	ND	5.00	ug/L
87-68-3	Hexachlorobutadiene	ND	5.00	ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	5.00	ug/L
136777-61-2	m,p-Xylene	ND	10.0	ug/L
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

Sample Results

Effluent

Collect Date 07/17/2017 13:10 **GCAL ID** 21707193724
Receive Date 07/19/2017 13:40 **Matrix** Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	07/20/2017 18:56	LBH	614604

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

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	53.2	ug/L	106	78 - 130
1868-53-7	Dibromofluoromethane	50	52.5	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	48.2	ug/L	96	71 - 127

Dup 01

Collect Date 07/10/2017 12:00 **GCAL ID** 21707193725
Receive Date 07/19/2017 13:40 **Matrix** Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	10	07/20/2017 19:21	LBH	614604

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	50.0	ug/L
71-55-6	1,1,1-Trichloroethane	ND	50.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	50.0	ug/L
79-00-5	1,1,2-Trichloroethane	ND	50.0	ug/L
75-34-3	1,1-Dichloroethane	ND	50.0	ug/L
75-35-4	1,1-Dichloroethene	ND	50.0	ug/L
563-58-6	1,1-Dichloropropene	ND	50.0	ug/L
96-18-4	1,2,3-Trichloropropane	ND	50.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	50.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	50.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	50.0	ug/L
106-93-4	1,2-Dibromoethane	ND	50.0	ug/L
95-50-1	1,2-Dichlorobenzene	ND	50.0	ug/L
107-06-2	1,2-Dichloroethane	ND	50.0	ug/L
540-59-0	**1,2-Dichloroethene(Total)**	**139**	**100**	**ug/L**
78-87-5	1,2-Dichloropropane	ND	50.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	50.0	ug/L
541-73-1	1,3-Dichlorobenzene	ND	50.0	ug/L
142-28-9	1,3-Dichloropropane	ND	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	ND	50.0	ug/L
594-20-7	2,2-Dichloropropane	ND	50.0	ug/L
78-93-3	2-Butanone	ND	50.0	ug/L
95-49-8	2-Chlorotoluene	ND	50.0	ug/L
591-78-6	2-Hexanone	ND	50.0	ug/L
106-43-4	4-Chlorotoluene	ND	50.0	ug/L

Sample Results

Dup 01

Collect Date	07/10/2017 12:00	**GCAL ID**	21707193725
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	10	07/20/2017 19:21	LBH	614604

CAS#	Parameter	Result	LOQ	Units
99-87-6	4-Isopropyltoluene	ND	50.0	ug/L
108-10-1	4-Methyl-2-pentanone	ND	50.0	ug/L
67-64-1	Acetone	ND	50.0	ug/L
71-43-2	Benzene	ND	50.0	ug/L
108-86-1	Bromobenzene	ND	50.0	ug/L
74-97-5	Bromochloromethane	ND	50.0	ug/L
75-27-4	Bromodichloromethane	ND	50.0	ug/L
75-25-2	Bromoform	ND	50.0	ug/L
74-83-9	Bromomethane	ND	50.0	ug/L
75-15-0	Carbon disulfide	ND	50.0	ug/L
56-23-5	Carbon tetrachloride	ND	50.0	ug/L
108-90-7	Chlorobenzene	ND	50.0	ug/L
75-00-3	Chloroethane	ND	50.0	ug/L
67-66-3	Chloroform	ND	50.0	ug/L
74-87-3	Chloromethane	ND	50.0	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**139**	**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
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
127-18-4	Tetrachloroethene	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**	**887**	**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

Sample Results

Dup 01

Collect Date	07/10/2017 12:00	**GCAL ID**	21707193725
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	10	07/20/2017 19:21	LBH	614604

CAS#	Parameter	Result	LOQ	Units
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	539	ug/L	108	78 - 130
1868-53-7	Dibromofluoromethane	500	524	ug/L	105	77 - 127
2037-26-5	Toluene d8	500	502	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	500	486	ug/L	97	71 - 127

Dup 02

Collect Date	07/13/2017 12:00	**GCAL ID**	21707193726
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	2	07/20/2017 19:46	JCK	614604

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	ND	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	ND	10.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	10.0	ug/L
79-00-5	1,1,2-Trichloroethane	ND	10.0	ug/L
75-34-3	1,1-Dichloroethane	ND	10.0	ug/L
75-35-4	1,1-Dichloroethene	ND	10.0	ug/L
563-58-6	1,1-Dichloropropene	ND	10.0	ug/L
96-18-4	1,2,3-Trichloropropane	ND	10.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	10.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	10.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	10.0	ug/L
106-93-4	1,2-Dibromoethane	ND	10.0	ug/L
95-50-1	1,2-Dichlorobenzene	ND	10.0	ug/L
107-06-2	1,2-Dichloroethane	ND	10.0	ug/L
540-59-0	**1,2-Dichloroethene(Total)**	**22.8**	**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

Sample Results

Dup 02

Collect Date	07/13/2017 12:00	**GCAL ID**	21707193726
Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	2	07/20/2017 19:46	JCK	614604

CAS#	Parameter	Result	LOQ	Units
99-87-6	4-Isopropyltoluene	ND	10.0	ug/L
108-10-1	4-Methyl-2-pentanone	ND	10.0	ug/L
67-64-1	Acetone	ND	10.0	ug/L
71-43-2	Benzene	ND	10.0	ug/L
108-86-1	Bromobenzene	ND	10.0	ug/L
74-97-5	Bromochloromethane	ND	10.0	ug/L
75-27-4	Bromodichloromethane	ND	10.0	ug/L
75-25-2	Bromoform	ND	10.0	ug/L
74-83-9	Bromomethane	ND	10.0	ug/L
75-15-0	Carbon disulfide	ND	10.0	ug/L
56-23-5	Carbon tetrachloride	ND	10.0	ug/L
108-90-7	Chlorobenzene	ND	10.0	ug/L
75-00-3	Chloroethane	ND	10.0	ug/L
67-66-3	Chloroform	ND	10.0	ug/L
74-87-3	Chloromethane	ND	10.0	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**22.8**	**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
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
127-18-4	Tetrachloroethene	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**	**259**	**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

Sample Results

Dup 02	**Collect Date**	07/13/2017 12:00	**GCAL ID**	21707193726
	Receive Date	07/19/2017 13:40	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	2	07/20/2017 19:46	JCK	614604

CAS#	Parameter	Result	LOQ	Units
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	109	ug/L	109	78 - 130
1868-53-7	Dibromofluoromethane	100	105	ug/L	105	77 - 127
2037-26-5	Toluene d8	100	101	ug/L	101	76 - 134
17060-07-0	1,2-Dichloroethane-d4	100	96.8	ug/L	97	71 - 127

GC/MS Volatiles QC Summary

Analytical Batch 614555	Client ID	MB614555		LCS614555				LCSD614555				
	GCAL ID	1704070		1704071				1704072				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	07/20/2017 10:56		07/20/2017 09:31				07/20/2017 09:52				
	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	46.8	94	75 - 124	50.0	48.8	98	4	30
1,1,1-Trichloroethane	71-55-6	ND	5.00	50.0	45.8	92	76 - 126	50.0	43.7	87	5	30
1,1,2,2-Tetrachloroethane	79-34-5	ND	5.00	50.0	50.8	102	70 - 122	50.0	49.4	99	3	30
1,1,2-Trichloroethane	79-00-5	ND	5.00	50.0	42.2	84	72 - 121	50.0	43.4	87	3	30
1,1-Dichloroethane	75-34-3	ND	5.00	50.0	50.1	100	74 - 127	50.0	47.1	94	6	30
1,1-Dichloroethene	75-35-4	ND	5.00	50.0	42.8	86	69 - 129	50.0	42.8	86	0	20
1,1-Dichloropropene	563-58-6	ND	5.00	50.0	45.9	92	72 - 131	50.0	46.7	93	2	30
1,2,3-Trichloropropane	96-18-4	ND	5.00	50.0	44.4	89	70 - 120	50.0	47.1	94	6	30
1,2,4-Trichlorobenzene	120-82-1	ND	5.00	50.0	50.5	101	61 - 135	50.0	49.2	98	3	30
1,2,4-Trimethylbenzene	95-63-6	ND	5.00	50.0	47.5	95	74 - 125	50.0	44.2	88	7	30
1,2-Dibromo-3-chloropropane	96-12-8	ND	5.00	50.0	46.7	93	57 - 121	50.0	48.7	97	4	30
1,2-Dibromoethane	106-93-4	ND	5.00	50.0	44.3	89	70 - 124	50.0	47.7	95	7	30
1,2-Dichlorobenzene	95-50-1	ND	5.00	50.0	46.1	92	71 - 126	50.0	44.8	90	3	30
1,2-Dichloroethane	107-06-2	ND	5.00	50.0	45.4	91	71 - 129	50.0	43.2	86	5	30
1,2-Dichloroethene(Total)	540-59-0	ND	10.0	100	96.7	97	74 - 128	100	89.3	89	8	30
1,2-Dichloropropane	78-87-5	ND	5.00	50.0	49.3	99	72 - 128	50.0	45.8	92	7	30
1,3,5-Trimethylbenzene	108-67-8	ND	5.00	50.0	53.0	106	71 - 132	50.0	50.6	101	5	30
1,3-Dichlorobenzene	541-73-1	ND	5.00	50.0	45.9	92	74 - 126	50.0	43.7	87	5	30
1,3-Dichloropropane	142-28-9	ND	5.00	50.0	41.8	84	74 - 122	50.0	43.2	86	3	30
1,4-Dichlorobenzene	106-46-7	ND	5.00	50.0	45.6	91	72 - 122	50.0	44.2	88	3	30
2,2-Dichloropropane	594-20-7	ND	5.00	50.0	49.0	98	77 - 124	50.0	46.1	92	6	30
2-Butanone	78-93-3	ND	5.00	50.0	48.3	97	58 - 137	50.0	53.3	107	10	30
2-Chlorotoluene	95-49-8	ND	5.00	50.0	47.0	94	72 - 127	50.0	45.5	91	3	30
2-Hexanone	591-78-6	ND	5.00	50.0	43.9	88	50 - 135	50.0	49.8	100	13	30
4-Chlorotoluene	106-43-4	ND	5.00	50.0	50.1	100	75 - 126	50.0	47.2	94	6	30
4-Isopropyltoluene	99-87-6	ND	5.00	50.0	45.8	92	71 - 129	50.0	43.0	86	6	30
4-Methyl-2-pentanone	108-10-1	ND	5.00	50.0	45.2	90	57 - 132	50.0	50.2	100	10	30
Acetone	67-64-1	ND	5.00	50.0	43.5	87	44 - 156	50.0	43.2	86	1	30
Benzene	71-43-2	ND	5.00	50.0	47.5	95	70 - 129	50.0	46.7	93	2	20
Bromobenzene	108-86-1	ND	5.00	50.0	46.7	93	71 - 120	50.0	44.8	90	4	30
Bromochloromethane	74-97-5	ND	5.00	50.0	46.8	94	76 - 130	50.0	46.0	92	2	30
Bromodichloromethane	75-27-4	ND	5.00	50.0	46.4	93	74 - 125	50.0	43.4	87	7	30
Bromoform	75-25-2	ND	5.00	50.0	43.3	87	64 - 122	50.0	45.9	92	6	30
Bromomethane	74-83-9	ND	5.00	50.0	48.4	97	47 - 138	50.0	39.7	79	20	30
Carbon disulfide	75-15-0	ND	5.00	50.0	45.9	92	69 - 136	50.0	45.7	91	0	30
Carbon tetrachloride	56-23-5	ND	5.00	50.0	44.7	89	76 - 128	50.0	42.9	86	4	30
Chlorobenzene	108-90-7	ND	5.00	50.0	45.7	91	74 - 123	50.0	45.1	90	1	20
Chloroethane	75-00-3	ND	5.00	50.0	49.5	99	62 - 141	50.0	39.9	80	21	30
Chloroform	67-66-3	ND	5.00	50.0	44.8	90	75 - 122	50.0	42.5	85	5	30
Chloromethane	74-87-3	ND	5.00	50.0	40.6	81	59 - 132	50.0	39.5	79	3	30
cis-1,2-Dichloroethene	156-59-2	ND	5.00	50.0	51.5	103	73 - 130	50.0	45.3	91	13	30
cis-1,3-Dichloropropene	10061-01-5	ND	5.00	50.0	50.6	101	71 - 132	50.0	49.7	99	2	30
Dibromochloromethane	124-48-1	ND	5.00	50.0	40.4	81	71 - 123	50.0	43.5	87	7	30
Dibromomethane	74-95-3	ND	5.00	50.0	47.6	95	72 - 129	50.0	44.7	89	6	30
Dichlorodifluoromethane	75-71-8	ND	5.00	50.0	42.1	84	58 - 140	50.0	39.3	79	7	30
Ethylbenzene	100-41-4	ND	5.00	50.0	47.8	96	74 - 126	50.0	47.0	94	2	30
Hexachlorobutadiene	87-68-3	ND	5.00	50.0	50.4	101	61 - 144	50.0	48.8	98	3	30
Isopropylbenzene (Cumene)	98-82-8	ND	5.00	50.0	43.8	88	71 - 125	50.0	44.1	88	1	30
m,p-Xylene	136777-61-2	ND	10.0	100	100	100	74 - 126	100	101	101	1	30
Methylene chloride	75-09-2	ND	5.00	50.0	47.2	94	68 - 132	50.0	40.5	81	15	30
Naphthalene	91-20-3	ND	5.00	50.0	47.5	95	57 - 138	50.0	49.0	98	3	35
n-Butylbenzene	104-51-8	ND	5.00	50.0	50.8	102	69 - 134	50.0	48.4	97	5	30
n-Propylbenzene	103-65-1	ND	5.00	50.0	48.6	97	75 - 129	50.0	46.3	93	5	30
o-Xylene	95-47-6	ND	5.00	50.0	46.6	93	73 - 130	50.0	48.3	97	4	30
sec-Butylbenzene	135-98-8	ND	5.00	50.0	52.2	104	70 - 136	50.0	48.5	97	7	30
Styrene	100-42-5	ND	5.00	50.0	46.1	92	71 - 127	50.0	46.7	93	1	30
tert-Butyl methyl ether (MTBE)	1634-04-4	ND	5.00	50.0	48.7	97	71 - 125	50.0	51.1	102	5	30
tert-Butylbenzene	98-06-6	ND	5.00	50.0	51.7	103	72 - 126	50.0	48.0	96	7	30

GC/MS Volatiles QC Summary

Analytical Batch 614555	Client ID	MB614555		LCS614555				LCSD614555				
	GCAL ID	1704070		1704071				1704072				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	07/20/2017 10:56		07/20/2017 09:31				07/20/2017 09:52				
	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	41.8	84	68 - 128	50.0	41.7	83	0	30
Toluene	108-88-3	ND	5.00	50.0	43.7	87	72 - 120	50.0	44.6	89	2	20
trans-1,2-Dichloroethene	156-60-5	ND	5.00	50.0	45.3	91	69 - 132	50.0	44.0	88	3	30
trans-1,3-Dichloropropene	10061-02-6	ND	5.00	50.0	52.0	104	71 - 131	50.0	50.1	100	4	30
trans-1,4-Dichloro-2-butene	110-57-6	ND	5.00	50.0	42.9	86	56 - 132	50.0	44.0	88	3	30
Trichloroethene	79-01-6	ND	5.00	50.0	46.7	93	76 - 129	50.0	44.6	89	5	20
Trichlorofluoromethane	75-69-4	ND	5.00	50.0	44.9	90	72 - 136	50.0	40.4	81	11	30
Trichlorotrifluoroethane	76-13-1	ND	5.00	50.0	43.1	86	72 - 136	50.0	41.8	84	3	30
Vinyl chloride	75-01-4	ND	2.00	50.0	40.5	81	68 - 132	50.0	39.0	78	4	30
Xylene (total)	1330-20-7	ND	15.0	150	147	98	74 - 127	150	150	100	2	30
Surrogate												
1,2-Dichloroethane-d4	17060-07-0	51.4	103	50	48.6	97	71 - 127	50	47.7	95	NA	NA
4-Bromofluorobenzene	460-00-4	50.8	102	50	51.2	102	78 - 130	50	52	104	NA	NA
Dibromofluoromethane	1868-53-7	52.6	105	50	48.1	96	77 - 127	50	47.8	96	NA	NA
Toluene d8	2037-26-5	52.5	105	50	45.8	92	76 - 134	50	47.5	95	NA	NA

Analytical Batch 614604	Client ID	MB614604		LCS614604				LCSD614604				
	GCAL ID	1704323		1704324				1704325				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	07/20/2017 15:53		07/20/2017 14:24				07/20/2017 14:47				
	Matrix	Water		Water				Water				
EPA 8260B		Units Result	ug/L LOQ	Spike Added	Result	%R	Control Limits%R	Spike Added	Result	%R	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	630-20-6	ND	5.00	50.0	49.5	99	75 - 124	50.0	49.8	100	1	30
1,1,1-Trichloroethane	71-55-6	ND	5.00	50.0	55.5	111	76 - 126	50.0	54.4	109	2	30
1,1,2,2-Tetrachloroethane	79-34-5	ND	5.00	50.0	41.1	82	70 - 122	50.0	41.8	84	2	30
1,1,2-Trichloroethane	79-00-5	ND	5.00	50.0	45.5	91	72 - 121	50.0	47.1	94	3	30
1,1-Dichloroethane	75-34-3	ND	5.00	50.0	52.5	105	74 - 127	50.0	51.5	103	2	30
1,1-Dichloroethene	75-35-4	ND	5.00	50.0	54.9	110	69 - 129	50.0	54.5	109	1	20
1,1-Dichloropropene	563-58-6	ND	5.00	50.0	55.5	111	72 - 131	50.0	54.3	109	2	30
1,2,3-Trichloropropane	96-18-4	ND	5.00	50.0	40.3	81	70 - 120	50.0	41.8	84	4	30
1,2,4-Trichlorobenzene	120-82-1	ND	5.00	50.0	49.0	98	61 - 135	50.0	49.7	99	1	30
1,2,4-Trimethylbenzene	95-63-6	ND	5.00	50.0	48.1	96	74 - 125	50.0	48.2	96	0	30
1,2-Dibromo-3-chloropropane	96-12-8	ND	5.00	50.0	42.8	86	57 - 121	50.0	46.1	92	7	30
1,2-Dibromoethane	106-93-4	ND	5.00	50.0	47.6	95	70 - 124	50.0	48.6	97	2	30
1,2-Dichlorobenzene	95-50-1	ND	5.00	50.0	46.1	92	71 - 126	50.0	45.8	92	1	30
1,2-Dichloroethane	107-06-2	ND	5.00	50.0	54.1	108	71 - 129	50.0	53.3	107	1	30
1,2-Dichloroethene(Total)	540-59-0	ND	10.0	100	103	103	74 - 128	100	102	102	1	30
1,2-Dichloropropane	78-87-5	ND	5.00	50.0	51.4	103	72 - 128	50.0	50.9	102	1	30
1,3,5-Trimethylbenzene	108-67-8	ND	5.00	50.0	48.2	96	71 - 132	50.0	47.7	95	1	30
1,3-Dichlorobenzene	541-73-1	ND	5.00	50.0	47.1	94	74 - 126	50.0	46.9	94	0	30
1,3-Dichloropropane	142-28-9	ND	5.00	50.0	45.8	92	74 - 122	50.0	46.6	93	2	30
1,4-Dichlorobenzene	106-46-7	ND	5.00	50.0	46.5	93	72 - 122	50.0	46.9	94	1	30
2,2-Dichloropropane	594-20-7	ND	5.00	50.0	59.1	118	77 - 124	50.0	56.8	114	4	30
2-Butanone	78-93-3	ND	5.00	50.0	45.8	92	58 - 137	50.0	48.4	97	6	30
2-Chlorotoluene	95-49-8	ND	5.00	50.0	45.6	91	72 - 127	50.0	45.9	92	1	30
2-Hexanone	591-78-6	ND	5.00	50.0	45.4	91	50 - 135	50.0	49.3	99	8	30
4-Chlorotoluene	106-43-4	ND	5.00	50.0	46.2	92	75 - 126	50.0	46.5	93	1	30
4-Isopropyltoluene	99-87-6	ND	5.00	50.0	51.3	103	71 - 129	50.0	50.4	101	2	30
4-Methyl-2-pentanone	108-10-1	ND	5.00	50.0	43.6	87	57 - 132	50.0	46.8	94	7	30
Acetone	67-64-1	ND	5.00	50.0	43.6	87	44 - 156	50.0	45.8	92	5	30
Benzene	71-43-2	ND	5.00	50.0	53.4	107	70 - 129	50.0	52.3	105	2	20
Bromobenzene	108-86-1	ND	5.00	50.0	44.1	88	71 - 120	50.0	44.0	88	0	30
Bromochloromethane	74-97-5	ND	5.00	50.0	54.9	110	76 - 130	50.0	53.7	107	2	30
Bromodichloromethane	75-27-4	ND	5.00	50.0	54.0	108	74 - 125	50.0	53.0	106	2	30
Bromoform	75-25-2	ND	5.00	50.0	52.5	105	64 - 122	50.0	53.4	107	2	30

GC/MS Volatiles QC Summary

Analytical Batch 614604	Client ID	MB614604		LCS614604				LCSD614604				
	GCAL ID	1704323		1704324				1704325				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	07/20/2017 15:53		07/20/2017 14:24				07/20/2017 14:47				
	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	45.4	91	47 - 138	50.0	54.1	108	17	30
Carbon disulfide	75-15-0	ND	5.00	50.0	53.1	106	69 - 136	50.0	53.1	106	0	30
Carbon tetrachloride	56-23-5	ND	5.00	50.0	56.7	113	76 - 128	50.0	55.4	111	2	30
Chlorobenzene	108-90-7	ND	5.00	50.0	50.2	100	74 - 123	50.0	50.6	101	1	20
Chloroethane	75-00-3	ND	5.00	50.0	59.4	119	62 - 141	50.0	59.3	119	0	30
Chloroform	67-66-3	ND	5.00	50.0	55.2	110	75 - 122	50.0	54.0	108	2	30
Chloromethane	74-87-3	ND	5.00	50.0	50.0	100	59 - 132	50.0	45.1	90	10	30
cis-1,2-Dichloroethene	156-59-2	ND	5.00	50.0	52.5	105	73 - 130	50.0	51.8	104	1	30
cis-1,3-Dichloropropene	10061-01-5	ND	5.00	50.0	57.1	114	71 - 132	50.0	56.3	113	1	30
Dibromochloromethane	124-48-1	ND	5.00	50.0	47.7	95	71 - 123	50.0	48.6	97	2	30
Dibromomethane	74-95-3	ND	5.00	50.0	52.2	104	72 - 129	50.0	52.1	104	0	30
Dichlorodifluoromethane	75-71-8	ND	5.00	50.0	49.0	98	58 - 140	50.0	45.5	91	7	30
Ethylbenzene	100-41-4	ND	5.00	50.0	50.3	101	74 - 126	50.0	50.6	101	1	30
Hexachlorobutadiene	87-68-3	ND	5.00	50.0	47.8	96	61 - 144	50.0	47.6	95	0	30
Isopropylbenzene (Cumene)	98-82-8	ND	5.00	50.0	56.1	112	71 - 125	50.0	56.1	112	0	30
m,p-Xylene	136777-61-2	ND	10.0	100	104	104	74 - 126	100	103	103	1	30
Methylene chloride	75-09-2	ND	5.00	50.0	55.2	110	68 - 132	50.0	55.0	110	0	30
Naphthalene	91-20-3	ND	5.00	50.0	39.4	79	57 - 138	50.0	41.9	84	6	35
n-Butylbenzene	104-51-8	ND	5.00	50.0	47.7	95	69 - 134	50.0	46.4	93	3	30
n-Propylbenzene	103-65-1	ND	5.00	50.0	46.0	92	75 - 129	50.0	45.6	91	1	30
o-Xylene	95-47-6	ND	5.00	50.0	55.1	110	73 - 130	50.0	54.4	109	1	30
sec-Butylbenzene	135-98-8	ND	5.00	50.0	49.5	99	70 - 136	50.0	49.1	98	1	30
Styrene	100-42-5	ND	5.00	50.0	56.2	112	71 - 127	50.0	55.9	112	1	30
tert-Butyl methyl ether (MTBE)	1634-04-4	ND	5.00	50.0	51.1	102	71 - 125	50.0	51.3	103	0	30
tert-Butylbenzene	98-06-6	ND	5.00	50.0	49.8	100	72 - 126	50.0	48.7	97	2	30
Tetrachloroethene	127-18-4	ND	5.00	50.0	52.3	105	68 - 128	50.0	51.1	102	2	30
Toluene	108-88-3	ND	5.00	50.0	48.1	96	72 - 120	50.0	48.2	96	0	20
trans-1,2-Dichloroethene	156-60-5	ND	5.00	50.0	50.4	101	69 - 132	50.0	50.3	101	0	30
trans-1,3-Dichloropropene	10061-02-6	ND	5.00	50.0	57.7	115	71 - 131	50.0	56.7	113	2	30
trans-1,4-Dichloro-2-butene	110-57-6	ND	5.00	50.0	41.1	82	56 - 132	50.0	41.5	83	1	30
Trichloroethene	79-01-6	ND	5.00	50.0	55.2	110	76 - 129	50.0	54.6	109	1	20
Trichlorofluoromethane	75-69-4	ND	5.00	50.0	60.7	121	72 - 136	50.0	58.8	118	3	30
Trichlorotrifluoroethane	76-13-1	ND	5.00	50.0	58.6	117	72 - 136	50.0	56.8	114	3	30
Vinyl chloride	75-01-4	ND	2.00	50.0	52.0	104	68 - 132	50.0	49.2	98	6	30
Xylene (total)	1330-20-7	ND	15.0	150	159	106	74 - 127	150	158	105	1	30
Surrogate												
1,2-Dichloroethane-d4	17060-07-0	48.3	97	50	51.3	103	71 - 127	50	50.4	101	NA	NA
4-Bromofluorobenzene	460-00-4	53.7	107	50	55.2	110	78 - 130	50	55.6	111	NA	NA
Dibromofluoromethane	1868-53-7	51.7	103	50	53.4	107	77 - 127	50	52.6	105	NA	NA
Toluene d8	2037-26-5	50	100	50	46.5	93	76 - 134	50	47.4	95	NA	NA

Analytical Batch 614724	Client ID	MB614724		LCS614724				LCSD614724				
	GCAL ID	1704966		1704967				1704968				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	07/22/2017 15:56		07/22/2017 14:10				07/22/2017 14:32				
	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	50.3	101	75 - 124	50.0	46.9	94	7	30
1,1,1-Trichloroethane	71-55-6	ND	5.00	50.0	49.4	99	76 - 126	50.0	42.2	84	16	30
1,1,2,2-Tetrachloroethane	79-34-5	ND	5.00	50.0	49.2	98	70 - 122	50.0	48.3	97	2	30
1,1,2-Trichloroethane	79-00-5	ND	5.00	50.0	50.8	102	72 - 121	50.0	48.0	96	6	30
1,1-Dichloroethane	75-34-3	ND	5.00	50.0	43.8	88	74 - 127	50.0	41.5	83	5	30
1,1-Dichloroethene	75-35-4	ND	5.00	50.0	48.8	98	69 - 129	50.0	44.5	89	9	20
1,1-Dichloropropene	563-58-6	ND	5.00	50.0	52.4	105	72 - 131	50.0	45.2	90	15	30
1,2,3-Trichloropropane	96-18-4	ND	5.00	50.0	42.7	85	70 - 120	50.0	43.0	86	1	30

GC/MS Volatiles QC Summary

Analytical Batch 614724	Client ID	MB614724		LCS614724				LCSD614724				
	GCAL ID	1704966		1704967				1704968				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	07/22/2017 15:56		07/22/2017 14:10				07/22/2017 14:32				
	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
1,2,4-Trichlorobenzene	120-82-1	ND	5.00	50.0	43.3	87	61 - 135	50.0	43.1	86	1	30
1,2,4-Trimethylbenzene	95-63-6	ND	5.00	50.0	56.0	112	74 - 125	50.0	51.4	103	9	30
1,2-Dibromo-3-chloropropane	96-12-8	ND	5.00	50.0	46.5	93	57 - 121	50.0	46.6	93	0	30
1,2-Dibromoethane	106-93-4	ND	5.00	50.0	45.6	91	70 - 124	50.0	44.7	89	2	30
1,2-Dichlorobenzene	95-50-1	ND	5.00	50.0	46.1	92	71 - 126	50.0	45.1	90	2	30
1,2-Dichloroethane	107-06-2	ND	5.00	50.0	45.6	91	71 - 129	50.0	44.6	89	2	30
1,2-Dichloroethene(Total)	540-59-0	ND	10.0	100	105	105	74 - 128	100	93.8	94	11	30
1,2-Dichloropropane	78-87-5	ND	5.00	50.0	46.3	93	72 - 128	50.0	44.0	88	5	30
1,3,5-Trimethylbenzene	108-67-8	ND	5.00	50.0	53.6	107	71 - 132	50.0	49.8	100	7	30
1,3-Dichlorobenzene	541-73-1	ND	5.00	50.0	49.8	100	74 - 126	50.0	46.3	93	7	30
1,3-Dichloropropane	142-28-9	ND	5.00	50.0	44.7	89	74 - 122	50.0	44.0	88	2	30
1,4-Dichlorobenzene	106-46-7	ND	5.00	50.0	48.1	96	72 - 122	50.0	44.6	89	8	30
2,2-Dichloropropane	594-20-7	ND	5.00	50.0	55.2	110	77 - 124	50.0	47.6	95	15	30
2-Butanone	78-93-3	ND	5.00	50.0	48.4	97	58 - 137	50.0	46.8	94	3	30
2-Chlorotoluene	95-49-8	ND	5.00	50.0	49.8	100	72 - 127	50.0	45.8	92	8	30
2-Hexanone	591-78-6	ND	5.00	50.0	45.6	91	50 - 135	50.0	50.3	101	10	30
4-Chlorotoluene	106-43-4	ND	5.00	50.0	49.7	99	75 - 126	50.0	46.7	93	6	30
4-Isopropyltoluene	99-87-6	ND	5.00	50.0	56.0	112	71 - 129	50.0	50.5	101	10	30
4-Methyl-2-pentanone	108-10-1	ND	5.00	50.0	43.8	88	57 - 132	50.0	45.8	92	4	30
Acetone	67-64-1	ND	5.00	50.0	46.5	93	44 - 156	50.0	48.0	96	3	30
Benzene	71-43-2	ND	5.00	50.0	50.1	100	70 - 129	50.0	46.6	93	7	20
Bromobenzene	108-86-1	ND	5.00	50.0	48.1	96	71 - 120	50.0	44.5	89	8	30
Bromochloromethane	74-97-5	ND	5.00	50.0	47.7	95	76 - 130	50.0	45.7	91	4	30
Bromodichloromethane	75-27-4	ND	5.00	50.0	46.1	92	74 - 125	50.0	44.6	89	3	30
Bromoform	75-25-2	ND	5.00	50.0	45.7	91	64 - 122	50.0	44.9	90	2	30
Bromomethane	74-83-9	ND	5.00	50.0	42.8	86	47 - 138	50.0	39.9	80	7	30
Carbon disulfide	75-15-0	ND	5.00	50.0	44.0	88	69 - 136	50.0	41.4	83	6	30
Carbon tetrachloride	56-23-5	ND	5.00	50.0	50.7	101	76 - 128	50.0	45.6	91	11	30
Chlorobenzene	108-90-7	ND	5.00	50.0	46.9	94	74 - 123	50.0	43.7	87	7	20
Chloroethane	75-00-3	ND	5.00	50.0	43.0	86	62 - 141	50.0	40.6	81	6	30
Chloroform	67-66-3	ND	5.00	50.0	49.6	99	75 - 122	50.0	43.6	87	13	30
Chloromethane	74-87-3	ND	5.00	50.0	45.2	90	59 - 132	50.0	46.1	92	2	30
cis-1,2-Dichloroethene	156-59-2	ND	5.00	50.0	52.0	104	73 - 130	50.0	49.2	98	6	30
cis-1,3-Dichloropropene	10061-01-5	ND	5.00	50.0	46.8	94	71 - 132	50.0	44.7	89	5	30
Dibromochloromethane	124-48-1	ND	5.00	50.0	45.4	91	71 - 123	50.0	44.6	89	2	30
Dibromomethane	74-95-3	ND	5.00	50.0	44.1	88	72 - 129	50.0	45.9	92	4	30
Dichlorodifluoromethane	75-71-8	ND	5.00	50.0	49.0	98	58 - 140	50.0	44.8	90	9	30
Ethylbenzene	100-41-4	ND	5.00	50.0	49.6	99	74 - 126	50.0	45.8	92	8	30
Hexachlorobutadiene	87-68-3	ND	5.00	50.0	49.6	99	61 - 144	50.0	46.3	93	7	30
Isopropylbenzene (Cumene)	98-82-8	ND	5.00	50.0	53.3	107	71 - 125	50.0	49.1	98	8	30
m,p-Xylene	136777-61-2	ND	10.0	100	108	108	74 - 126	100	98.4	98	9	30
Methylene chloride	75-09-2	ND	5.00	50.0	48.5	97	68 - 132	50.0	44.7	89	8	30
Naphthalene	91-20-3	ND	5.00	50.0	39.2	78	57 - 138	50.0	41.5	83	6	35
n-Butylbenzene	104-51-8	ND	5.00	50.0	50.2	100	69 - 134	50.0	44.8	90	11	30
n-Propylbenzene	103-65-1	ND	5.00	50.0	49.9	100	75 - 129	50.0	46.4	93	7	30
o-Xylene	95-47-6	ND	5.00	50.0	49.6	99	73 - 130	50.0	47.8	96	4	30
sec-Butylbenzene	135-98-8	ND	5.00	50.0	52.7	105	70 - 136	50.0	47.7	95	10	30
Styrene	100-42-5	ND	5.00	50.0	49.1	98	71 - 127	50.0	45.5	91	8	30
tert-Butyl methyl ether (MTBE)	1634-04-4	ND	5.00	50.0	50.8	102	71 - 125	50.0	47.0	94	8	30
tert-Butylbenzene	98-06-6	ND	5.00	50.0	52.4	105	72 - 126	50.0	48.0	96	9	30
Tetrachloroethene	127-18-4	ND	5.00	50.0	50.8	102	68 - 128	50.0	45.8	92	10	30
Toluene	108-88-3	ND	5.00	50.0	46.2	92	72 - 120	50.0	42.6	85	8	20
trans-1,2-Dichloroethene	156-60-5	ND	5.00	50.0	53.1	106	69 - 132	50.0	44.6	89	17	30
trans-1,3-Dichloropropene	10061-02-6	ND	5.00	50.0	46.7	93	71 - 131	50.0	45.2	90	3	30
trans-1,4-Dichloro-2-butene	110-57-6	ND	5.00	50.0	50.5	101	56 - 132	50.0	50.4	101	0	30
Trichloroethene	79-01-6	ND	5.00	50.0	48.7	97	76 - 129	50.0	46.7	93	4	20
Trichlorofluoromethane	75-69-4	ND	5.00	50.0	46.8	94	72 - 136	50.0	43.6	87	7	30
Trichlorotrifluoroethane	76-13-1	ND	5.00	50.0	43.8	88	72 - 136	50.0	41.5	83	5	30

GC/MS Volatiles QC Summary

Analytical Batch 614724	Client ID	MB614724		LCS614724				LCSD614724				
	GCAL ID	1704966		1704967				1704968				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	07/22/2017 15:56		07/22/2017 14:10				07/22/2017 14:32				
	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
Vinyl chloride	75-01-4	ND	2.00	50.0	45.2	90	68 - 132	50.0	42.8	86	5	30
Xylene (total)	1330-20-7	ND	15.0	150	158	105	74 - 127	150	146	97	8	30
Surrogate												
1,2-Dichloroethane-d4	17060-07-0	52.7	105	50	49.6	99	71 - 127	50	49.9	100	NA	NA
4-Bromofluorobenzene	460-00-4	49.6	99	50	50.8	102	78 - 130	50	50.5	101	NA	NA
Dibromofluoromethane	1868-53-7	55	110	50	48.7	97	77 - 127	50	49.3	99	NA	NA
Toluene d8	2037-26-5	54.5	109	50	49.3	99	76 - 134	50	48.6	97	NA	NA

Analytical Batch 614799	Client ID	MB614799		LCS614799				LCSD614799				
	GCAL ID	1705197		1705198				1705199				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	07/24/2017 14:20		07/24/2017 12:13				07/24/2017 12:34				
	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	44.2	88	75 - 124	50.0	43.6	87	1	30
1,1,1-Trichloroethane	71-55-6	ND	5.00	50.0	41.8	84	76 - 126	50.0	40.8	82	2	30
1,1,2,2-Tetrachloroethane	79-34-5	ND	5.00	50.0	54.8	110	70 - 122	50.0	54.7	109	0	30
1,1,2-Trichloroethane	79-00-5	ND	5.00	50.0	45.7	91	72 - 121	50.0	47.0	94	3	30
1,1-Dichloroethane	75-34-3	ND	5.00	50.0	51.8	104	74 - 127	50.0	54.0	108	4	30
1,1-Dichloroethene	75-35-4	ND	5.00	50.0	48.5	97	69 - 129	50.0	53.1	106	9	20
1,1-Dichloropropene	563-58-6	ND	5.00	50.0	47.1	94	72 - 131	50.0	45.5	91	3	30
1,2,3-Trichloropropane	96-18-4	ND	5.00	50.0	47.8	96	70 - 120	50.0	46.6	93	3	30
1,2,4-Trichlorobenzene	120-82-1	ND	5.00	50.0	38.1	76	61 - 135	50.0	38.7	77	2	30
1,2,4-Trimethylbenzene	95-63-6	ND	5.00	50.0	51.2	102	74 - 125	50.0	51.0	102	0	30
1,2-Dibromo-3-chloropropane	96-12-8	ND	5.00	50.0	42.0	84	57 - 121	50.0	43.9	88	4	30
1,2-Dibromoethane	106-93-4	ND	5.00	50.0	42.2	84	70 - 124	50.0	42.2	84	0	30
1,2-Dichlorobenzene	95-50-1	ND	5.00	50.0	43.6	87	71 - 126	50.0	44.6	89	2	30
1,2-Dichloroethane	107-06-2	ND	5.00	50.0	41.6	83	71 - 129	50.0	43.1	86	4	30
1,2-Dichloroethene(Total)	540-59-0	ND	10.0	100	111	111	74 - 128	100	103	103	7	30
1,2-Dichloropropane	78-87-5	ND	5.00	50.0	48.9	98	72 - 128	50.0	50.5	101	3	30
1,3,5-Trimethylbenzene	108-67-8	ND	5.00	50.0	50.9	102	71 - 132	50.0	50.3	101	1	30
1,3-Dichlorobenzene	541-73-1	ND	5.00	50.0	46.5	93	74 - 126	50.0	46.2	92	1	30
1,3-Dichloropropane	142-28-9	ND	5.00	50.0	44.5	89	74 - 122	50.0	43.0	86	3	30
1,4-Dichlorobenzene	106-46-7	ND	5.00	50.0	44.7	89	72 - 122	50.0	44.5	89	0	30
2,2-Dichloropropane	594-20-7	ND	5.00	50.0	43.6	87	77 - 124	50.0	41.5	83	5	30
2-Butanone	78-93-3	ND	5.00	50.0	57.7	115	58 - 137	50.0	53.1	106	8	30
2-Chlorotoluene	95-49-8	ND	5.00	50.0	48.2	96	72 - 127	50.0	47.7	95	1	30
2-Hexanone	591-78-6	ND	5.00	50.0	49.2	98	50 - 135	50.0	48.9	98	1	30
4-Chlorotoluene	106-43-4	ND	5.00	50.0	47.9	96	75 - 126	50.0	47.7	95	0	30
4-Isopropyltoluene	99-87-6	ND	5.00	50.0	49.7	99	71 - 129	50.0	48.2	96	3	30
4-Methyl-2-pentanone	108-10-1	ND	5.00	50.0	47.5	95	57 - 132	50.0	49.7	99	5	30
Acetone	67-64-1	ND	5.00	50.0	49.5	99	44 - 156	50.0	57.4	115	15	30
Benzene	71-43-2	ND	5.00	50.0	50.2	100	70 - 129	50.0	49.2	98	2	20
Bromobenzene	108-86-1	ND	5.00	50.0	48.9	98	71 - 120	50.0	49.1	98	0	30
Bromochloromethane	74-97-5	ND	5.00	50.0	44.1	88	76 - 130	50.0	43.3	87	2	30
Bromodichloromethane	75-27-4	ND	5.00	50.0	44.1	88	74 - 125	50.0	43.9	88	1	30
Bromoform	75-25-2	ND	5.00	50.0	40.3	81	64 - 122	50.0	39.7	79	2	30
Bromomethane	74-83-9	ND	5.00	50.0	47.3	95	47 - 138	50.0	49.0	98	4	30
Carbon disulfide	75-15-0	ND	5.00	50.0	54.0	108	69 - 136	50.0	53.0	106	2	30
Carbon tetrachloride	56-23-5	ND	5.00	50.0	42.1	84	76 - 128	50.0	40.4	81	4	30
Chlorobenzene	108-90-7	ND	5.00	50.0	42.9	86	74 - 123	50.0	41.3	83	4	20
Chloroethane	75-00-3	ND	5.00	50.0	51.8	104	62 - 141	50.0	55.6	111	7	30
Chloroform	67-66-3	ND	5.00	50.0	44.4	89	75 - 122	50.0	44.5	89	0	30
Chloromethane	74-87-3	ND	5.00	50.0	45.9	92	59 - 132	50.0	51.9	104	12	30
cis-1,2-Dichloroethene	156-59-2	ND	5.00	50.0	50.9	102	73 - 130	50.0	46.1	92	10	30

GC/MS Volatiles QC Summary

Analytical Batch 614799	Client ID	MB614799		LCS614799				LCSD614799				
	GCAL ID	1705197		1705198				1705199				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	07/24/2017 14:20		07/24/2017 12:13				07/24/2017 12:34				
	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
cis-1,3-Dichloropropene	10061-01-5	ND	5.00	50.0	44.6	89	71 - 132	50.0	45.7	91	2	30
Dibromochloromethane	124-48-1	ND	5.00	50.0	39.1	78	71 - 123	50.0	38.8	78	1	30
Dibromomethane	74-95-3	ND	5.00	50.0	41.8	84	72 - 129	50.0	43.5	87	4	30
Dichlorodifluoromethane	75-71-8	ND	5.00	50.0	42.5	85	58 - 140	50.0	41.5	83	2	30
Ethylbenzene	100-41-4	ND	5.00	50.0	45.3	91	74 - 126	50.0	44.3	89	2	30
Hexachlorobutadiene	87-68-3	ND	5.00	50.0	41.5	83	61 - 144	50.0	41.1	82	1	30
Isopropylbenzene (Cumene)	98-82-8	ND	5.00	50.0	45.6	91	71 - 125	50.0	44.0	88	4	30
m,p-Xylene	136777-61-2	ND	10.0	100	96.1	96	74 - 126	100	93.2	93	3	30
Methylene chloride	75-09-2	ND	5.00	50.0	64.9	130	68 - 132	50.0	67.0	**134***	3	30
Naphthalene	91-20-3	ND	5.00	50.0	35.8	72	57 - 138	50.0	38.3	77	7	35
n-Butylbenzene	104-51-8	ND	5.00	50.0	47.0	94	69 - 134	50.0	45.4	91	3	30
n-Propylbenzene	103-65-1	ND	5.00	50.0	49.5	99	75 - 129	50.0	48.7	97	2	30
o-Xylene	95-47-6	ND	5.00	50.0	44.6	89	73 - 130	50.0	43.6	87	2	30
sec-Butylbenzene	135-98-8	ND	5.00	50.0	49.6	99	70 - 136	50.0	47.2	94	5	30
Styrene	100-42-5	ND	5.00	50.0	43.0	86	71 - 127	50.0	41.9	84	3	30
tert-Butyl methyl ether (MTBE)	1634-04-4	ND	5.00	50.0	46.2	92	71 - 125	50.0	51.0	102	10	30
tert-Butylbenzene	98-06-6	ND	5.00	50.0	47.3	95	72 - 126	50.0	46.8	94	1	30
Tetrachloroethene	127-18-4	ND	5.00	50.0	41.6	83	68 - 128	50.0	41.0	82	1	30
Toluene	108-88-3	ND	5.00	50.0	43.9	88	72 - 120	50.0	42.1	84	4	20
trans-1,2-Dichloroethene	156-60-5	ND	5.00	50.0	59.9	120	69 - 132	50.0	56.8	114	5	30
trans-1,3-Dichloropropene	10061-02-6	ND	5.00	50.0	44.5	89	71 - 131	50.0	46.1	92	4	30
trans-1,4-Dichloro-2-butene	110-57-6	ND	5.00	50.0	55.0	110	56 - 132	50.0	55.8	112	1	30
Trichloroethene	79-01-6	ND	5.00	50.0	44.4	89	76 - 129	50.0	44.4	89	0	20
Trichlorofluoromethane	75-69-4	ND	5.00	50.0	40.8	82	72 - 136	50.0	40.8	82	0	30
Trichlorotrifluoroethane	76-13-1	ND	5.00	50.0	48.8	98	72 - 136	50.0	44.1	88	10	30
Vinyl chloride	75-01-4	ND	2.00	50.0	40.7	81	68 - 132	50.0	45.0	90	10	30
Xylene (total)	1330-20-7	ND	15.0	150	141	94	74 - 127	150	137	91	3	30
Surrogate												
1,2-Dichloroethane-d4	17060-07-0	52.2	104	50	51.2	102	71 - 127	50	48.6	97	NA	NA
4-Bromofluorobenzene	460-00-4	43.9	88	50	43.8	88	78 - 130	50	44.3	89	NA	NA
Dibromofluoromethane	1868-53-7	52.8	106	50	48.7	97	77 - 127	50	47.9	96	NA	NA
Toluene d8	2037-26-5	54.8	110	50	47.8	96	76 - 134	50	48	96	NA	NA

GCAL ANALYTICAL LABORATORIES, LLC

CHAIN OF CUSTODY RECORD

7979 Innovation Park Dr., Baton Rouge, LA 70820-7402
Phone: 225.769.4900 • Fax: 225.767.5717 • www.gcal.com

Client ID: 9000 - General Accounts
SDG: 217071937
PM: SAB3

Report to:
Client: WL Burle Engineers
Address: 104 E Marketridge Drive
Ridgeland, MS 39157
Contact: Kevin Moore
Phone: 662 577-1449
E-mail: KMMD@WLBURLE.COM

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

P.O. Number
Project Name/Number
Sampled By: Kevin Moore

Analytical Requests & Method: VOCs 8260B

GCAL use only:
Custody Seal used ☑ yes ☐ no
intact ☑ yes ☐ no
Temperature °C 2.2 EJS 1640 PM

☐ Dissolved Analysis Requested
☐ Field filtered
☐ Lab filtered

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	No Containers		Preservative	
W	7/10/17	902		X	Trip Blank	2	X		1
W	7/10/17	902		X	MW-52	3	X	HCl	2
W	7/10/17	1106		X	MW-35	3	X	HCl	3
W	7/10/17	1356		X	MW-30S	3	X	HCl	4
W	7/10/17	1520		X	MW-30D	3	X	HCl	5
W	7/10/17	1645		X	MW-20	3	X	HCl	6
W	7/11/17	954		X	MW-27	3	X	HCl	7
W	7/11/17	1206		X	MW-8D	3	X	HCl	8
W	7/11/17	1539		X	MW-8S	3	X	HCl	9
W	7/12/17	934		X	NOW2	3	X	HCl	10
W	7/12/17	1207		X	MW-49	3	X	HCl	11
W	7/12/17	1504		X	MW-45	3	X	HCl	12
W	7/12/17	1758		X	MW-43	3	X	HCl	13

Air Bill No: 7872 1951 1017

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:
Kevin Moore	7/18/17	1545			
FedEX	7-19-17	1340		7-19-17	1340

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: 9000 - General Accounts
SDG: 217071937
PM: SAB3

Report to:
Client: WL Burle Engineers
Address: 104E Marketridge Drive
Ridgeland, MS 39157
Contact: Kevin Moore
Phone: (662) 577-1449
E-mail: KMM@WLBurle.com

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

P.O. Number
Project Name/Number
Sampled By:

Analytical Requests & Method: VOC's 8260B

GCAL use only:
Custody Seal used ☑ yes ☐ no
intact ☑ yes ☐ no
Temperature °C 22 EST
16 CPM

☐ Dissolved Analysis Requested
☐ Field filtered
☐ Lab filtered

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	No Con-tainers	Preservative	
W	7/13/17	855		X	MW-25S	3	X	HCl 14
W	7/13/17	1028		X	MW-25D	3	X	HCl 15
W	7/13/17	1206		X	MW-10	3	X	HCl 16
W	7/13/17	1640		X	MW-53	3	X	HCl 17
W	7/14/17	836		X	MW-12	3	X	HCl 18
W	7/14/17	1118		X	MW-46	3	X	HCl 19
W	7/14/17	1416		X	MW-38S	3	X	HCl 20
W	7/14/17	1619		X	MW-38D	3	X	HCl 21
W	7/17/17	0918		X	MW-44	3	X	HCl 22
W	7/17/17	1155		X	MW-42	3	X	HCl 23
W	7/17/17	1310		X	Effluent	3	X	HCl 24
W	7/10/17	1200		X	Dup 01	3	X	HCl 25
W	7/13/17	1200		X	Dup 02	3	X	HCl 26

Air Bill No: 787219511017

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:
Kevin Moore (KMM)	7/18/17	1545			
FedEX	7-19-17	1340		7.19.17	1340
	7.19.17				

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

SAMPLE RECEIVING CHECKLIST

217071937

SAMPLE DELIVERY GROUP 217071937	
Client **PM** SAB3 9000 - General Accounts	**Transport Method** FEDEX
Profile Number 271710	**Received By** Reese, Sean M
Line Item(s) 2 - W - TCE+Daughter Products	**Receive Date(s)** 07/19/17

CHECKLIST	YES	NO
Samples received with proper thermal and chemical preservation?	☑	☐
Radioactivity is <1600 cpm? If no, record cpm value in notes section.	☑	☐
If present, 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?	☐	☑
If received, was headspace for VOC water containers < 6mm?	☑	☐
Samples collected in containers provided by GCAL?	☑	☐

COOLERS

Airbill	Thermometer ID: E29	Temp °C
7872 1951 1017		2.2

DISCREPANCIES

None

LAB PRESERVATIONS

None

NOTES

Revision 1.6