March 2016
First Semiannual Sampling Report
Former Holley Automotive Facility
Water Valley, Mississippi

Prepared for:

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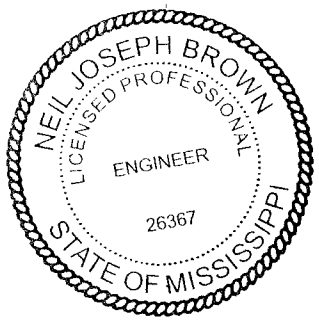
PROFESSIONAL ENGINEER CERTICATION PAGE

I hereby certify that the March 2016 Semiannual Sampling Report for the Former Holley Automotive Site located in Water Valley Mississippi was prepared under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Mississippi. I have reviewed this document in sufficient depth to accept full responsibility for its contents and to assure code compliance and coordination.



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1.0 Introduction

On March 28 through 31, 2016, Ecology & Environment, Inc. (E & E) performed the 2016 first semiannual sampling event at the Former Holley Automotive Facility located in Water Valley, Mississippi. This report summarizes the results of the sampling.

2.0 Groundwater Elevations and Groundwater Flow Direction

On March 28, 2016, E & E collected one set of groundwater elevations (see Table 1). Figure 1 shows the potentiometric surface, based on shallow groundwater elevations, recorded on March 28. The aquifer below the site consists of interbedded, discontinuous lenses of sandy and clayey sediments. The potentiometric surface map based on this interpretation is consistent with historical data and indicates that for the majority of the site, groundwater flow is to the north towards Otoucalofa Creek; however, in the area near the former Holley Automotive plant, a westerly component of groundwater flow is present.

As first reported in the September 2008 Sampling Report, two piezometers, PZ-1 and PZ-2, were installed on August 8, 2008, north of Otoucalofa Creek to a depth of 35 feet below ground surface. These wells were initially intended to help determine the flow direction of groundwater in the area north of Otoucalofa Creek. The data indicated that the creek bottom is at a lower elevation than the groundwater north of the creek. Therefore, groundwater from the northern side of Otoucalofa Creek drains towards the creek rather than away from it. The creek thereby serves as a natural barrier to the migration of the plume farther north of the creek.

3.0 Groundwater Sampling

Twenty-five groundwater samples were collected during the March 2016 semiannual sampling event, which includes one duplicate sample. Groundwater samples were obtained in accordance with United States Environmental Protection Agency (EPA) Region 4 groundwater standard operating procedures. Wells were purged using low-flow sampling techniques to provide a representative sample collection from each monitoring well. Water levels were recorded to reduce instances of groundwater level drawdown within the well, and the field parameters of temperature, pH, turbidity, conductivity, dissolved oxygen (DO), and oxidation/reduction potential (ORP) were measured and recorded. Table 2 presents the well purging data for each well that was sampled during the March 2016 semiannual sampling. Groundwater purging and sampling equipment were calibrated prior to use and decontaminated between each sampling location.

After collection, groundwater samples, including trip blanks (for quality assurance and quality control [QA/QC]) were immediately labeled, custody-sealed, and placed on ice for shipment to TestAmerica Laboratories, Inc (TestAmerica). In our past analytical protocol, the samples were analyzed by TestAmerica for chlorinated organic compounds by EPA Method 8260B. However, upon MDEQ request, the full list of volatile organic compounds was analyzed for and presented in the lab report.

In addition to the typical wells sampled during the semiannual events, a one-time sampling

of 5 old monitoring wells in the network immediately surrounding the current Borg Warner facility; MW-7S, MW-7D, MW-8S, MW-8D, and MW-36, was conducted. The analytical results for these additional wells are provided in Attachment B as a separate lab report. These data are not included in the Tables associated with this report.

4.0 Groundwater Analytical Results

Groundwater analytical results for chlorinated organics from the March 2016 sampling are presented in Table 3. Figure 2 illustrates the extent of trichloroethene (TCE) concentrations detected in groundwater at the site. Shallow and deep wells are presented on one map to illustrate the overall lateral and vertical extent of the TCE plume.

TCE was detected above the maximum concentration level (MCL) value of 5 micrograms per liter (µg/L) in the monitoring wells sampled, with exception of the following wells: MW-28S, MW-28D, MW-30D, MW-31S, MW-34, MW-38, MW-38S, MW-45, MW-47, and MW-48. MW-28S (0.7 µg/L), MW-38S (4.9 ug/L), and MW-48 (0.5 ug/L) were the only wells sampled that detected a concentration below the MCL but above the laboratory method detection limit (MDL). The TCE concentrations exceeding the MCL ranged from 7.4 µg/L to 1600 µg/L.

Five- year trend graphs for the TCE concentration in each monitoring are presented as Attachment A.TCE concentrations showed a significant decrease in monitoring wells MW-22S (1600 µg/L) and MW-44 (1600 µg/L) during this event when compared to the September 2015 results (2900 µg/L and 2800 µg/L, respectively). In addition, these wells have shown a general downward trend in concentration for the past five years. Other monitoring wells historically detected at concentrations above 100 µg/L (MW-11, MW-22D, MW-35, MW-27, MW-37, and MW-41) have remained relatively consistent over the 5 year period. MW-46 continues to slowly trend upwards since 2006.

TCE was detected in MW-30S for the first time during this sampling event with a concentration of 7.4 µg/L. TCE was not detected in MW-30D during this event; previous 4 events had low level detections.

Concentrations of cis-1,2-dichloroethene (cis-1,2-DCE) were detected at or above the MCL (70 µg/L) in three of the wells sampled: MW-22S (130 µg/L), MW-27 (140 µg/L), and MW-37 (81 µg/L),.

The March 2016 semiannual sampling event analytical results indicate that the concentrations of 1,1-dichloroethene (1,1-DCE) , trans-1,2-dichloroethene (trans-1,2-DCE), and vinyl chloride were detected below their MCL values of 7 µg/L, 100 µg/L, and 2 µg/L, respectively. Table 3 provides analytical results for the monitoring wells sampled. TestAmerica laboratory reports are located in Appendix B.

No analytes of concern were noted in four of the five additional wells (MW 7S, 7D, 8D and MW36); however, TCE and cis-1,2-DCE were detected in MW-8S, on the north side of the facility, at concentrations exceeding the MCL.

5.0 Groundwater Natural Attenuation Results

A summary of the field-measured parameters collected during the March 2016 semiannual sampling event is provided in Table 2. An evaluation of the field-measured parameters is provided below:

Temperature: Temperature affects the solubility of dissolved gases and other geochemical species. The rate of biodegradation is accelerated in groundwater temperatures greater than 20 degrees Celsius (°C). During the March 2016 semiannual sampling event, the sample temperatures ranged from 15.72°C to 20.95°C.

pH: pH levels affect the presence and activity of microbial populations in groundwater. The optimal pH range for biodegradation is between 5 standard units (SUs) and 9 SUs. During the March 2016 semiannual sampling event, the sample pH values ranged from 5.01 SUs to 6.04 SUs.

Dissolved Oxygen: DO is the most geochemically favored electron acceptor used by microbes for aerobic biodegradation. Anaerobic bacteria become nonfunctional at concentrations that exceed 5 milligrams per liter (mg/L) (or 55%@ 20º C), causing reductive dechlorination to cease. During the March 2016 semiannual sampling event, the DO ranged from 0.49 mg/L to 7.52 mg/L.

Oxidation-Reduction Potential: ORP is a measure of the relative tendency of a solution to accept or transfer electrons. ORP levels between 50 millivolts (mV) and -100 (mV) hold potential for reductive dechlorination, and levels between-100 mV and -400 mV are optimal for reductive dechlorination. During the March 2016 semiannual sampling event, the ORP levels ranged from 1.2 mV to 301 mV.

6.0 Surface Water Analytical Results

One creek water sample, CS-2, was collected for laboratory analysis; creek samples CS-1 and CS-3 were not collected due to the high stage and flow rate of the creek at the time of sampling (heavy rain night before sampling). The sample was collected from the bank of Otoucalofa Creek (depicted in Figure 2). The analytical results for the creek sample were non-detect for TCE, cis-1,2-DCE, 1,1-DCE, trans-1,2-DCE, and vinyl chloride.

As presented in Table 3, TCE concentrations for the three creek samples have fluctuated over the last four years. The first detection was made in December of 2010 and since that first detection, concentrations have fluctuated from below MDLs, up to 7.5 µg/L. However, for the five most recent events, June 2014 and September 2014, March and September 2015, and now March 2016, contaminants of concern have been below the lab MDL and are considered absent during this time frame.

The USEPA Ambient Water Quality Criteria (AWQC) for TCE in water was revised in June 2015 from 2.5 µg/L to 0.6 µg/L. The laboratory reported results using the MDL of 0.5 µg/L.

The case narrative completed by Test America reported that calibration, blanks, and surrogates as meeting the acceptance criteria. Analytical or quality problems observed are detailed in the Case Narrative of the lab pack, provided as Attachment B. Based on the details in the Case Narratives, the data reported are considered acceptable and usable.

7.0 Conclusions

The size of the identified dissolved TCE plume has remained stable for the past five years. The analytical results of the wells that were installed to monitor plume migration (MW-28S, MW-28D, MW-34, MW-45, MW-47, and MW-48) were below the laboratory MDLs for constituents or concern with the exception of trace detections (below the MCL) in MW-28S and MW-48 in this event. This indicates that the TCE plume has not migrated to the east or west.

MW-28S and MW-48 will continue to be sampled in future events for indications of plume migration. A review of the past five years of sampling data indicates that the concentrations of 1,1-DCE , trans-1,2-DCE, and vinyl chloride have continuously been detected below laboratory MDLs for MW-28S, MW-28D, MW-31S, MW-34, MW-38, MW-38S and MW-45.

Creek surface water samples have exhibited concentrations below lab MDLs for the past five samplings and E & E will continue to monitor TCE levels in the creek.

Quarterly groundwater sampling events at the Former Holley Automotive facility have been conducted every quarter since May 2006, with semiannual sampling starting in 2015. An examination of the data and a review of the previously mentioned five-year trend graphs indicate that TCE trends have been constant, but in a few cases, have increased slightly (MW-25D, MW-35, MW-46). A small, increasing trend in select wells can be expected due to the amoebic-like nature of a groundwater plume. These noted trends will continue to be monitored as part of the on-going groundwater monitoring program.

TABLES AND FIGURES

TABLE 1

Monitoring Well Groundwater Elevations
Water Valley, Mississippi

WELL ID	MW-11	MW-12	MW-15	MW-16	MW-22S	MW-22D	MW-23D	MW-24	MW-25S	MW-25D
WELL DEPTH FROM TOC	43.60	40.94	43.37	19.23	29.24	46.80	42.77	21.70	37.43	45.94
TOC ELEVATION	279.99	277.24	276.27	277.12	282.46	282.61	276.15	275.96	286.92	286.74

DATE	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW
9/18/2006	270.88	9.11	266.22	11.02	268.50	7.77	266.94	10.18	273.32	9.14	274.73	7.88	264.25	11.90	268.22	7.74	270.57	16.35	270.58	16.16
12/182006	272.29	7.70	269.48	7.76	271.97	4.30	270.62	6.50	274.30	8.16	275.63	6.98	265.53	10.62	270.26	5.70	271.28	15.64	271.21	15.53
3/27/2007	272.00	7.99	267.17	10.07	270.59	5.68	268.96	8.16	274.31	8.15	275.59	7.02	260.94	15.21	--	--	271.45	15.47	271.45	15.29
6/19/2007	271.51	8.48	267.13	10.11	270.26	6.01	268.48	8.64	273.78	8.68	275.11	7.50	261.46	14.69	272.22	3.74	270.79	16.13	270.80	15.94
9/7/2007	270.84	9.15	266.47	10.77	268.73	7.54	267.36	9.76	273.16	9.30	274.43	8.18	263.65	12.50	271.50	4.46	270.68	16.24	270.32	16.42
12/7/2007	271.89	8.10	269.22	8.02	271.96	4.31	270.59	6.53	273.83	8.63	275.15	7.46	264.01	12.14	273.28	2.68	270.72	16.20	270.69	16.05
3/10/2008	272.85	7.14	270.27	6.97	272.41	3.86	271.19	5.93	274.71	7.75	275.90	6.71	265.70	10.45	274.51	1.45	271.88	15.04	271.63	15.11
6/16/2008	272.23	7.76	269.00	8.24	270.87	5.40	269.75	7.37	274.32	8.14	275.55	7.06	266.05	10.10	273.42	2.54	271.52	15.40	271.52	15.22
9/16/2008	274.88	5.11	267.98	9.26	271.16	5.11	268.82	8.30	273.52	8.94	274.84	7.77	265.01	11.14	272.47	3.49	270.64	16.28	270.64	16.10
12/2/2008	275.26	4.73	269.32	7.92	271.85	4.42	270.35	6.77	273.81	8.65	275.11	7.50	265.72	10.43	273.34	2.62	270.82	16.10	270.68	16.06
3/23/2009	276.32	3.67	270.21	7.03	271.99	4.28	270.91	6.21	274.70	7.76	275.84	6.77	267.22	8.93	274.33	1.63	271.72	15.20	271.69	15.05
6/15/2009	276.48	3.51	270.32	6.92	272.53	3.74	271.04	6.08	274.96	7.50	276.13	6.48	267.35	8.80	274.66	1.30	272.22	14.70	271.97	14.77
9/28/2009	275.85	4.14	270.87	6.37	272.69	3.58	271.76	5.36	274.49	7.97	275.76	6.85	267.30	8.85	274.48	1.48	271.44	15.48	271.21	15.53
12/14/2009	276.71	3.28	271.22	6.02	273.08	3.19	271.75	5.37	275.11	7.35	276.29	6.32	268.09	8.06	275.23	0.73	272.24	14.68	272.02	14.72
3/23/2010	276.83	3.16	270.93	6.31	272.74	3.53	271.52	5.60	275.45	7.01	276.59	6.02	269.85	6.30	275.23	0.73	272.56	14.36	272.39	14.35
7/27/2010	274.79	5.20	267.22	10.02	269.14	7.13	267.80	9.32	273.72	8.74	275.08	7.53	264.61	11.54	272.12	3.84	270.94	15.98	270.97	15.77
9/21/2010	0.00	0.00	267.64	9.60	268.77	7.50	267.43	9.69	273.16	9.30	274.36	8.25	263.93	12.22	271.54	4.42	270.42	16.50	270.44	16.30
12/13/2010	275.00	4.99	269.12	8.12	271.63	4.64	270.10	7.02	273.74	8.72	275.10	7.51	265.44	10.71	273.09	2.87	270.60	16.32	270.62	16.12
3/29/2011	276.15	3.84	271.16	6.08	272.89	3.38	271.79	5.33	274.77	7.69	275.92	6.69	267.91	8.24	274.93	1.03	271.76	15.16	271.60	15.14
6/14/2011	275.10	4.89	268.46	8.78	270.35	5.92	268.95	8.17	273.85	8.61	275.07	7.54	265.47	10.68	272.85	3.11	271.02	15.90	271.03	15.71
9/20/2011	274.45	5.54	267.65	9.59	270.39	5.88	268.37	8.75	273.16	9.30	274.49	8.12	264.53	11.62	272.28	3.68	270.18	16.74	270.19	16.55
12/27/2011	275.31	4.68	270.98	6.26	273.16	3.11	271.69	5.43	274.35	8.11	275.57	7.04	268.13	8.02	274.77	1.19	271.20	15.72	270.83	15.91
3/20/2012	276.05	3.94	270.02	7.22	271.79	4.48	270.77	6.35	274.49	7.97	275.63	6.98	267.10	9.05	274.25	1.71	271.38	15.54	271.57	15.17
6/19/2012	274.54	5.45	267.75	9.49	269.64	6.63	268.47	8.65	273.24	9.22	274.51	8.10	266.60	9.55	272.24	3.72	270.29	16.63	270.12	16.62
9/26/2012	274.09	5.90	266.98	10.26	269.16	7.11	267.80	9.32	272.75	9.71	274.09	8.52	264.16	11.99	271.66	4.30	270.01	16.91	270.03	16.71
12/18/2012	274.96	5.03	269.55	7.69	272.07	4.20	270.65	6.47	273.68	8.78	274.93	7.68	265.91	10.24	273.50	2.46	270.68	16.24	270.61	16.13
3/12/2013	276.25	3.74	270.29	6.95	272.30	3.97	271.00	6.12	274.60	7.86	275.72	6.89	266.67	9.48	274.64	1.32	271.75	15.17	271.70	15.04
6/25/2013	275.65	4.34	268.96	8.28	-	-	269.70	7.42	274.28	8.18	275.47	7.14	-	-	273.47	2.49	271.56	15.36	271.58	15.16
9/16/2013	274.35	5.64	267.18	10.06	-	-	-	-	273.12	9.34	274.28	8.33	266.07	10.08	271.82	4.14	270.54	16.38	270.56	16.18
12/16/2013	275.77	4.22	270.86	6.38	-	-	271.43	5.69	274.44	8.02	275.64	6.97	269.71	6.44	274.69	1.27	271.58	15.34	271.07	15.67
3/17/2014	274.63	5.36	269.86	7.38	-	-	270.55	6.57	274.71	7.75	275.81	6.80	266.79	9.36	274.19	1.77	271.80	15.12	271.77	14.97
6/24/2014	275.84	4.15	269.46	7.78	-	-	269.96	7.16	274.41	8.05	275.56	7.05	266.62	9.53	273.78	2.18	271.42	15.50	271.64	15.10
9/9/2014	274.69	5.30	267.40	9.84	-	-	268.10	9.02	273.45	9.01	274.55	8.06	265.94	10.21	272.16	3.80	270.79	16.13	270.81	15.93
3/25/2015	274.01	5.98	270.70	6.54	-	-	269.91	7.21	275.32	7.14	276.21	6.40	267.59	8.56	272.98	2.98	275.50	11.42	276.43	10.31
9/14/2015	277.39	9.48	261.51	11.12	260.59	13.55	-	-	-	-	261.83	10.94	264.39	9.68	261.40	14.88	261.73	12.56	-	-
3/28/2016	276.30	3.69	266.98	10.26	-	-	-	-	274.86	7.60	276.03	6.58	267.61	8.54	268.14	7.82	272.05	14.87	272.06	14.68

Key:

TOC = Top of Casing

ELEV = Water Table Elevation, NGVD

NGVD = National Geodetic Vertical Datum, 1929

DTW = Depth to water

Shaded = Shallow wells

-- = Casing damaged

- = Not measured

TABLE 1
Monitoring Well Groundwater Elevations
Water Valley, Mississippi

WELL ID	MW-27	MW-28S	MW-28D	MW-29S	MW-29D	MW-30S	MW-30D	MW-31S	MW-31D	MW-32
WELL DEPTH FROM TOC	31.91	25.03	39.77	25.04	41.81	19.81	39.95	24.84	42.04	34.91
TOC ELEVATION	286.87	272.63	274.14	275.27	274.89	272.77	274.07	276.28	274.29	276.02

DATE	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW
9/18/2006	277.73	9.14	259.70	12.93	259.30	14.84	261.73	13.54	261.06	13.83	258.66	14.11	262.67	11.40	258.40	17.88	259.26	15.03	267.65	8.37
12/182006	278.23	8.64	261.77	10.86	259.87	14.27	260.44	14.83	259.37	15.52	259.63	13.14	263.04	11.03	258.78	17.50	259.45	14.84	268.21	7.81
3/27/2007	278.31	8.56	260.92	11.71	259.61	14.53	260.25	15.02	259.06	15.83	259.84	12.93	262.93	11.14	259.00	17.28	259.29	15.00	266.99	9.03
6/19/2007	277.86	9.01	260.06	12.57	262.46	11.68	260.17	15.10	259.07	15.82	258.42	14.35	263.86	10.21	258.35	17.93	264.47	9.82	-	NS
9/7/2007	277.41	9.46	259.90	12.73	259.09	15.05	260.99	14.28	260.35	14.54	258.95	13.82	262.67	11.40	258.20	18.08	258.95	15.34	-	NS
12/7/2007	277.66	9.21	262.10	10.53	259.73	14.41	262.85	12.42	261.88	13.01	259.40	13.37	263.06	11.01	258.42	17.86	259.30	14.99	268.47	7.55
3/10/2008	278.33	8.54	263.52	9.11	260.45	13.69	264.14	11.13	263.47	11.42	262.05	10.72	264.06	10.01	259.48	16.80	260.05	14.24	270.01	6.01
6/16/2008	278.25	8.62	261.59	11.04	259.72	14.42	263.07	12.20	262.43	12.46	260.97	11.80	263.16	10.91	259.27	17.01	259.45	14.84	268.76	7.26
9/16/2008	278.56	8.31	260.49	12.14	259.34	14.80	262.00	13.27	261.36	13.53	258.82	13.95	262.57	11.50	258.34	17.94	259.16	15.13	267.64	8.38
12/2/2008	277.69	9.18	260.95	11.68	259.64	14.50	262.40	12.87	261.74	13.15	258.67	14.10	262.84	11.23	258.46	17.82	259.39	14.90	268.27	7.75
3/23/2009	278.34	8.53	262.83	9.80	260.22	13.92	264.09	11.18	263.45	11.44	261.95	10.82	263.76	10.31	261.89	14.39	259.84	14.45	270.01	6.01
6/15/2009	278.66	8.21	263.57	9.06	260.40	13.74	264.30	10.97	263.64	11.25	262.20	10.57	264.04	10.03	260.02	16.26	259.97	14.32	270.24	5.78
9/28/2009	278.16	8.71	264.82	7.81	260.80	13.34	263.84	11.43	263.21	11.68	259.57	13.20	263.73	10.34	259.02	17.26	260.17	14.12	270.00	6.02
12/14/2009	278.72	8.15	265.11	7.52	261.04	13.10	264.89	10.38	264.27	10.62	262.54	10.23	264.81	9.26	260.06	16.22	260.62	13.67	270.88	5.14
3/23/2010	279.11	7.76	264.75	7.88	261.30	12.84	265.21	10.06	264.58	10.31	263.52	9.25	265.04	9.03	261.52	14.76	260.97	13.32	270.77	5.25
7/27/2010	278.02	8.85	260.23	12.40	259.38	14.76	261.95	13.32	261.35	13.54	259.27	13.50	262.89	11.18	258.50	17.78	259.27	15.02	267.27	8.75
9/21/2010	277.53	9.34	259.69	12.94	258.99	15.15	261.30	13.97	260.71	14.18	258.59	14.18	262.42	11.65	258.06	18.22	258.87	15.42	266.42	9.60
12/13/2010	277.77	9.10	260.53	12.10	259.46	14.68	262.10	13.17	261.46	13.43	258.49	14.28	262.85	11.22	258.28	18.00	259.30	14.99	267.92	8.10
3/29/2011	278.34	8.53	265.35	7.28	260.87	13.27	264.48	10.79	263.87	11.02	261.41	11.36	264.34	9.73	259.23	17.05	260.34	13.95	270.76	5.26
6/14/2011	277.81	9.06	261.34	11.29	259.56	14.58	262.47	12.80	261.85	13.04	260.13	12.64	262.98	11.09	258.73	17.55	259.29	15.00	268.15	7.87
9/20/2011	276.94	9.93	259.81	12.82	259.71	14.43	261.77	13.50	261.15	13.74	258.49	14.28	263.36	10.71	258.07	18.21	259.98	14.31	267.08	8.94
12/27/2011	277.94	8.93	265.18	7.45	262.23	11.91	264.91	10.36	264.27	10.62	260.98	11.79	265.77	8.30	258.84	17.44	262.35	11.94	271.16	4.86
3/20/2012	278.04	8.83	258.86	13.77	260.18	13.96	264.04	11.23	263.40	11.49	261.98	10.79	263.84	10.23	261.58	14.70	259.92	14.37	270.03	5.99
6/19/2012	277.20	9.67	260.60	12.03	259.28	14.86	261.95	13.32	261.32	13.57	259.12	13.65	262.55	11.52	258.41	17.87	259.14	15.15	-	NA
9/26/2012	276.82	10.05	259.96	12.67	259.12	15.02	261.43	13.84	260.80	14.09	258.54	14.23	262.36	11.71	258.02	18.26	259.05	15.24	-	NA
12/18/2012	277.36	9.51	260.91	11.72	259.85	14.29	262.65	12.62	262.01	12.88	258.99	13.78	263.21	10.86	258.54	17.74	259.75	14.54	-	NA
3/12/2013	278.02	8.85	259.70	12.93	264.86	9.28	264.53	10.74	264.41	10.48	262.67	10.10	264.98	9.09	259.95	16.33	261.09	13.20	-	5.47
6/25/2013	278.00	8.87	261.51	11.12	259.81	14.33	263.23	12.04	262.63	12.26	261.46	11.31	263.31	10.76	259.50	16.78	259.62	14.67	268.85	7.17
9/16/2013	277.14	9.73	260.32	12.31	259.26	14.88	261.68	13.59	261.06	13.83	259.15	13.62	262.51	11.56	258.34	17.94	259.11	15.18	-	-
12/16/2013	277.92	8.95	259.19	13.44	265.84	8.30	264.57	10.70	264.44	10.45	263.76	9.01	264.36	9.71	259.58	16.70	260.38	13.91	270.85	5.17
3/17/2014	277.86	9.01	258.70	13.93	263.96	10.18	263.71	11.56	263.08	11.81	261.64	11.13	263.82	10.25	259.65	16.63	259.96	14.33	269.67	6.35
6/24/2014	278.11	8.76	262.22	10.41	260.03	14.11	263.73	11.54	263.11	11.78	262.31	10.46	263.64	10.43	-	-	-	-	-	-
9/9/2014	277.39	9.48	260.25	12.38	259.29	14.85	261.93	13.34	261.33	13.56	259.60	13.17	262.77	11.30	-	-	-	-	-	-
3/25/2015	277.39	9.48	261.51	11.12	260.59	13.55	-	-	-	-	261.83	10.94	264.39	9.68	261.40	14.88	261.73	12.56	-	-
9/14/2015	268.96	5.65	268.98	8.18	262.15	12.36	277.07	7.53	274.11	21.44	274.67	20.76	-	-	269.46	7.58	275.53	8.55	271.42	29.57
3/28/2016	277.00	9.87	262.68	9.95	260.65	13.49	265.95	9.32	264.44	10.45	262.99	9.78	264.67	9.40	262.86	13.42	261.40	12.89	-	-

Key:

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TABLE 1
Monitoring Well Groundwater Elevations
Water Valley, Mississippi

WELL ID	MW-33	MW-34	MW-35	MW-37	MW-38	MW-38S	MW-39	MW-40	MW-41	MW-42
WELL DEPTH FROM TOC	36.94	42.20	46.42	27.43	62.24	33.24	67.33	41.56	44.60	46.44
TOC ELEVATION	274.61	277.16	274.51	284.60	295.55	295.43	305.67	277.04	284.08	300.99

DATE	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW
9/18/2006	267.04	7.57	267.73	9.43	259.19	15.32	275.48	9.12	270.75	24.80	270.76	24.67	270.34	35.33	266.72	10.32	276.20	7.88	270.36	30.63
12/182006	267.77	6.84	271.69	5.47	258.83	15.68	275.64	8.96	271.39	24.16	271.17	24.26	270.86	34.81	267.33	9.71	276.80	7.28	270.87	30.12
3/27/2007	266.89	7.72	270.31	6.85	258.71	15.80	275.98	8.62	271.54	24.01	271.55	23.88	271.17	34.50	267.28	9.76	276.98	7.10	271.17	29.82
6/19/2007	266.72	7.89	269.10	8.06	258.91	15.60	275.57	9.03	270.91	24.64	270.88	24.55	270.53	35.14	266.78	10.26	276.44	7.64	270.48	30.51
9/7/2007	266.63	7.98	268.12	9.04	258.77	15.74	275.19	9.41	270.65	24.90	270.66	24.77	270.27	35.40	266.51	10.53	275.93	8.15	270.28	30.71
12/7/2007	268.00	6.61	271.86	5.30	259.59	14.92	275.17	9.43	270.67	24.88	270.67	24.76	270.34	35.33	267.31	9.73	276.27	7.81	270.28	30.71
3/10/2008	269.51	5.10	272.13	5.03	260.98	13.53	276.03	8.57	271.54	24.01	271.51	23.92	271.23	34.44	268.81	8.23	277.03	7.05	271.19	29.80
6/16/2008	268.64	5.97	270.43	6.73	260.08	14.43	275.92	8.68	271.45	24.10	271.45	23.98	271.24	34.43	269.09	7.95	276.86	7.22	271.17	29.82
9/16/2008	267.58	7.03	269.56	7.60	259.20	15.31	275.40	9.20	270.81	24.74	270.79	24.64	270.35	35.32	267.01	10.03	276.13	7.95	270.36	30.63
12/2/2008	268.03	6.58	271.48	5.68	259.51	15.00	275.30	9.30	270.80	24.75	270.78	24.65	270.33	35.34	267.22	9.82	276.27	7.81	270.32	30.67
3/23/2009	269.56	5.05	271.70	5.46	260.94	13.57	276.18	8.42	271.74	23.81	271.73	23.70	-	NS	268.74	8.30	277.04	7.04	271.31	29.68
6/15/2009	269.75	4.86	271.98	5.18	260.98	13.53	276.50	8.10	270.03	25.52	271.82	23.61	-	NS	269.00	8.04	277.34	6.74	271.55	29.44
9/28/2009	269.38	5.23	272.46	4.70	260.80	13.71	276.03	8.57	271.14	24.41	271.10	24.33	-	NS	268.21	8.83	276.88	7.20	270.66	30.33
12/14/2009	270.31	4.30	272.80	4.36	261.71	12.80	276.46	8.14	272.00	23.55	271.94	23.49	-	NS	269.37	7.67	277.41	6.67	271.56	29.43
3/23/2010	270.51	4.10	272.28	4.88	262.18	12.33	276.98	7.62	272.35	23.20	272.32	23.11	-	NS	269.70	7.34	277.82	6.26	271.91	29.08
7/27/2010	267.47	7.14	268.40	8.76	259.34	15.17	275.86	8.74	271.07	24.48	271.05	24.38	-	NS	267.13	9.91	276.55	7.53	270.66	30.33
9/21/2010	266.83	7.78	268.20	8.96	257.79	16.72	275.29	9.31	270.60	24.95	270.61	24.82	-	NS	0.00	0.00	276.03	8.05	270.70	30.29
12/13/2010	267.84	6.77	271.31	5.85	259.31	15.20	275.27	9.33	270.77	24.78	270.73	24.70	-	NS	267.03	10.01	276.31	7.77	270.31	30.68
3/29/2011	269.94	4.67	272.63	4.53	260.13	14.38	276.23	8.37	271.51	24.04	271.52	23.91	-	NS	268.77	8.27	277.05	7.03	271.10	29.89
6/14/2011	268.06	6.55	269.97	7.19	259.67	14.84	275.73	8.87	271.07	24.48	271.10	24.33	-	NS	267.49	9.55	276.46	7.62	270.72	30.27
9/20/2011	267.23	7.38	269.35	7.81	259.35	15.16	274.86	9.74	270.32	25.23	270.31	25.12	-	NS	266.62	10.42	275.75	8.33	269.66	31.33
12/27/2011	269.85	4.76	272.85	4.31	260.87	13.64	275.44	9.16	271.04	24.51	271.03	24.40	-	NS	268.38	8.66	276.59	7.49	270.62	30.37
3/20/2012	269.51	5.10	271.44	5.72	259.94	14.57	275.91	8.69	271.53	24.02	271.55	23.88	-	NS	268.68	8.36	276.79	7.29	271.18	29.81
6/19/2012	267.47	7.14	269.18	7.98	258.28	16.23	275.14	9.46	270.57	24.98	270.59	24.84	-	NS	266.92	10.12	275.83	8.25	270.20	30.79
9/26/2012	266.89	7.72	268.62	8.54	257.96	16.55	274.63	9.97	270.22	25.33	270.20	25.23	-	NS	266.37	10.67	276.36	7.72	269.75	31.24
12/18/2012	268.21	6.40	271.65	5.51	258.76	15.75	275.04	9.56	270.64	24.91	270.64	24.79	-	NS	267.25	9.79	275.48	8.60	270.24	30.75
3/12/2013	270.00	4.61	271.69	5.47	260.80	13.71	275.95	8.65	271.64	23.91	271.65	23.78	-	NS	269.03	8.01	276.80	7.28	271.25	29.74
6/25/2013	268.76	5.85	270.27	6.89	259.33	15.18	276.05	8.55	271.61	23.94	271.54	23.89	-	NS	268.12	8.92	276.72	7.36	271.25	29.74
9/16/2013	267.18	7.43	268.37	8.79	258.22	16.29	275.10	9.50	270.72	24.83	270.69	24.74	-	NS	266.78	10.26	275.74	8.34	270.32	30.67
12/16/2013	269.97	4.64	272.09	5.07	260.77	13.74	275.69	8.91	271.46	24.09	271.20	24.23	-	-	268.72	8.32	276.56	7.52	270.95	30.04
3/17/2014	269.38	5.23	271.13	6.03	259.76	14.75	274.00	10.60	271.95	23.60	271.76	23.67	-	-	-	-	276.96	7.12	271.37	29.62
6/24/2014	269.16	5.45	270.62	6.54	259.87	14.64	276.20	8.40	271.64	23.91	271.63	23.80	-	-	268.50	8.54	276.84	7.24	271.31	29.68
9/9/2014	267.48	7.13	268.73	8.43	258.48	16.03	275.59	9.01	270.93	24.62	270.91	24.52	-	-	267.06	9.98	276.05	8.03	270.58	30.41
3/25/2015	268.96	5.65	268.98	8.18	262.15	12.36	277.07	7.53	274.11	21.44	274.67	20.76	-	-	269.46	7.58	275.53	8.55	271.42	29.57
9/14/2015	271.85	11.57	272.54	20.36	-	-	-	-	271.57	5.68	262.94	7.84	-	-	267.28	9.76	276.33	7.75	270.61	30.38
3/28/2016	267.67	6.94	-	-	261.89	12.62	276.50	8.10	272.06	23.49	272.05	23.38	-	-	268.58	8.46	277.24	6.84	-	-

Key:

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TABLE 1
Monitoring Well Groundwater Elevations
Water Valley, Mississippi

WELL ID	MW-43	MW-44	MW-45	MW-46	MW-47	MW-48	PZ-1	PZ-2
WELL DEPTH FROM TOC	62.80	67.46	52.03	35.74	39.00	40.00	35.00	35.00
TOC ELEVATION	283.42	292.90	276.61	270.84	277.25	270.78	271.96	271.33

DATE	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW
9/18/2006	269.88	13.54	270.28	22.62	269.29	7.32	262.10	8.74	-	-	-	-	-	-	-	-
12/182006	270.44	12.98	270.76	22.14	269.71	6.90	262.43	8.41	-	-	-	-	-	-	-	-
3/27/2007	270.66	12.76	271.07	21.83	269.99	6.62	262.04	8.80	-	-	-	-	-	-	-	-
6/19/2007	270.04	13.38	270.39	22.51	269.42	7.19	261.92	8.92	-	-	-	-	-	-	-	-
9/7/2007	269.78	13.64	270.18	22.72	269.16	7.45	261.64	9.20	-	-	-	-	-	-	-	-
12/7/2007	269.94	13.48	270.23	22.67	269.27	7.34	262.31	8.53	-	-	-	-	-	-	-	-
3/10/2008	270.90	12.52	271.15	21.75	270.28	6.33	264.38	6.46	-	-	-	-	-	-	-	-
6/16/2008	270.79	12.63	271.11	21.79	270.06	6.55	263.39	7.45	-	-	-	-	-	-	-	-
9/16/2008	269.94	13.48	270.27	22.63	269.22	7.39	262.22	8.62	-	-	-	-	259.00	12.96	259.28	12.05
12/2/2008	269.92	13.50	270.22	22.68	269.20	7.41	262.45	8.39	-	-	-	-	-	-	-	-
3/23/2009	271.02	12.40	271.26	21.64	270.28	6.33	263.70	7.14	-	-	-	-	-	-	-	-
6/15/2009	271.22	12.20	271.47	21.43	270.55	6.06	263.29	7.55	-	-	-	-	-	-	-	-
9/28/2009	270.42	13.00	270.62	22.28	269.69	6.92	263.70	7.14	-	-	-	-	-	-	-	-
12/14/2009	271.29	12.13	271.49	21.41	270.66	5.95	264.61	6.23	-	-	-	-	-	-	-	-
3/23/2010	271.60	11.82	271.80	21.10	271.11	5.50	265.68	5.16	-	-	-	-	-	-	-	-
7/27/2010	270.20	13.22	270.57	22.33	269.50	7.11	262.39	8.45	-	-	-	-	-	-	-	-
9/21/2010	269.70	13.72	270.10	22.80	269.05	7.56	261.71	9.13	-	-	-	-	-	-	-	-
12/13/2010	269.90	13.52	270.21	22.69	269.16	7.45	262.24	8.60	-	-	-	-	-	-	-	-
3/29/2011	270.84	12.58	270.03	22.87	270.14	6.47	265.19	5.65	-	-	-	-	-	-	-	-
6/14/2011	270.31	13.11	270.64	22.26	269.52	7.09	262.74	8.10	-	-	-	-	-	-	-	-
9/20/2011	269.49	13.93	269.79	23.11	268.85	7.76	262.06	8.78	-	-	-	-	-	-	-	-
12/27/2011	270.36	13.06	270.54	22.36	269.70	6.91	267.35	3.49	-	-	-	-	-	-	-	-
3/20/2012	270.88	12.54	271.10	21.80	270.16	6.45	264.17	6.67	-	-	-	-	-	-	-	-
6/19/2012	269.77	13.65	270.06	22.84	269.06	7.55	262.00	8.84	-	-	-	-	-	-	-	-
9/26/2012	269.33	14.09	269.69	23.21	268.66	7.95	261.67	9.17	-	-	-	-	-	-	-	-
12/18/2012	269.90	13.52	270.17	22.73	269.13	7.48	262.66	8.18	-	-	-	-	-	-	-	-
3/12/2013	270.97	12.45	271.33	21.57	270.29	6.32	265.99	4.85	-	-	-	-	-	-	-	-
6/25/2013	270.88	12.54	271.18	21.72	270.04	6.57	263.46	7.38	-	-	-	-	-	-	-	-
9/16/2013	269.81	13.61	270.21	22.69	272.21	4.40	261.97	8.87	-	-	-	-	-	-	-	-
12/16/2013	270.70	12.72	270.88	22.02	270.66	5.95	264.19	6.65	-	-	-	-	-	-	-	-
3/17/2014	271.05	12.37	271.37	21.53	270.31	6.30	264.62	6.22	-	-	-	-	-	-	-	-
6/24/2014	270.91	12.51	271.22	21.68	270.13	6.48	263.78	7.06	270.84	6.41	261.13	9.65	-	-	-	-
9/9/2014	270.10	13.32	270.45	22.45	269.34	7.27	262.27	8.57	270.25	7.00	259.94	10.84	-	-	-	-
3/25/2015	271.85	11.57	272.54	20.36	-	-	-	-	271.57	5.68	262.94	7.84	-	-	-	-
9/14/2015	270.16	13.26	270.50	22.40	263.29	13.32	262.53	8.31	270.29	6.96	260.16	10.62	-	-	-	-
3/28/2016	271.90	11.52	270.50	22.40	270.58	6.03	266.58	4.26	271.20	6.05	263.63	7.15	-	-	-	-

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Table 2
Monitoring Well Purge Records
Former Holley Automotive Facility
Water Valley, Mississippi

March 29-31, 2016								
Well Number	**Time**	**Temp (ºC)**	**Conductivity (µS/cm)**	**Dissolved oxygen (mg/L)**	**pH (SUs)**	**ORP (mV)**	**Turbidity (NTUs)**	**Volume Purged (gal.)**
MW-11	1045	17.95	0.06	4.15	5.79	245.00	5.73	0.50
	1050	17.94	0.06	3.96	5.81	246.00	3.33	1.00
	1055	18.01	0.06	4.07	5.82	246.00	3.43	1.50
	1100	Samples collected						
MW-22S	820	16.43	0.13	3.32	6.21	185.30	8.07	0.50
	825	16.62	0.11	4.16	6.03	199.00	2.12	1.00
	830	16.73	0.10	4.22	5.93	203.00	1.39	1.50
	835	16.73	0.10	4.19	5.91	209.00	1.04	2.00
	840	Samples collected, Split sample for MDEQ						
MW-22D	845	16.83	0.04	7.32	5.90	228.00	0.31	0.50
	850	17.02	0.04	7.51	5.88	229.00	0.91	1.00
	855	17.03	0.04	7.43	5.78	232.00	0.36	1.50
	900	17.01	0.04	7.52	5.81	230.00	0.41	2.00
	905	Samples collected						
MW-25D	1000	18.14	0.05	4.24	5.64	259.00	12.20	0.50
	1005	18.10	0.05	4.11	5.67	257.00	6.77	1.00
	1010	18.05	0.05	3.99	5.67	255.00	4.81	1.50
	1015	18.11	0.05	3.89	5.68	253.00	4.47	2.00
	1020	18.26	0.05	3.96	5.68	251.00	4.83	2.50
	1025	Samples collected						
MW-27	1010	20.13	0.17	5.85	5.43	286.00	23.00	0.50
	1015	20.23	0.15	5.88	5.43	291.00	8.10	1.00
	1020	20.36	0.12	5.88	5.41	292.00	7.26	1.50
	1025	20.38	0.11	5.88	5.38	290.00	6.33	2.00
	1030	Samples collected, DUP, MS, MSD						
MW-28S	1630	17.62	0.19	2.07	6.07	24.00	69.00	0.50
	1635	17.74	0.18	1.04	6.04	14.00	72.30	1.00
	1640	17.82	0.18	0.91	6.03	11.10	88.30	1.50
	1645	17.80	0.18	0.92	6.03	10.30	49.70	2.00
	1650	17.81	0.18	0.91	6.04	9.50	51.20	2.50
	1655	Samples collected						
MW-28D	1705	18.27	0.18	0.85	6.02	8.30	27.60	0.50
	1710	18.22	0.18	0.71	5.99	6.30	9.93	1.00
	1715	18.16	0.18	0.66	5.99	0.90	6.72	1.50
	1720	18.13	0.18	0.71	6.01	1.20	5.56	2.00
	1725	Samples collected						
MW-30D	1515	15.56	0.04	3.48	5.19	285.00	4.97	0.50
	1520	15.70	0.04	3.41	5.11	285.00	3.31	1.00
	1525	15.71	0.04	3.29	5.09	286.00	5.64	1.50
	1530	15.72	0.04	3.31	5.10	284.00	4.21	2.00
	1535	Samples collected						
MW-30S	1445	17.82	0.07	5.43	5.35	267.00	3.14	0.50
	1450	17.83	0.07	5.37	5.35	262.00	2.72	1.00
	1455	17.74	0.07	5.27	5.34	270.00	2.10	1.50
	1500	17.64	0.07	5.29	5.33	271.00	2.02	2.00
	1505	Samples collected						
MW-31S	1615	17.01	0.12	0.78	5.60	72.00	53.80	1.00
	1620	17.00	0.15	0.44	5.72	37.00	32.20	1.50
	1625	17.06	0.15	1.86	5.72	32.00	23.80	2.00
	1630	16.95	0.16	1.54	5.80	18.00	15.40	2.50
	1640	16.94	0.16	1.70	5.81	14.00	13.90	3.00
	1645	16.99	0.16	0.59	5.81	9.50	12.60	3.50
	1650	16.99	0.16	0.47	5.82	9.70	9.93	4.00
	1655	17.02	0.16	0.51	5.83	8.40	9.18	4.50
	1700	16.95	0.17	0.49	5.84	6.70	8.37	5.00
	1705	Samples collected						
MW-31D	1510	17.50	0.08	6.40	5.92	139.00	3.83	0.50
	1515	17.57	0.08	6.41	5.89	156.00	3.07	1.00
	1520	17.67	0.08	6.08	5.88	176.00	2.68	1.50
	1525	17.68	0.08	5.90	5.85	181.00	3.38	2.00
	1530	17.72	0.08	5.50	5.77	194.00	2.80	2.50
	1535	17.56	0.08	4.11	5.62	162.00	2.86	3.00
	1540	17.58	0.09	3.34	5.56	148.00	2.26	3.50
	1545	17.63	0.09	3.20	5.56	145.00	3.02	4.00
	1550	17.60	0.09	3.05	5.54	141.00	2.20	4.50
	1552	Samples collected						

Table 2
Monitoring Well Purge Records
Former Holley Automotive Facility
Water Valley, Mississippi

March 29-31, 2016								
Well Number	Time	Temp (ºC)	Conductivity (µS/cm)	Dissolved oxygen (mg/L)	pH (SUs)	ORP (mV)	Turbidity (NTUs)	Volume Purged (gal.)
MW-34	1410	18.22	0.04	6.28	5.29	231.00	2.68	0.50
	1415	18.30	0.04	6.18	5.27	250.00	2.03	1.00
	1420	18.34	0.04	6.19	5.27	252.00	1.88	1.50
	1425	18.33	0.04	6.21	5.26	259.00	1.52	2.00
	1430	Samples collected						
MW-35	915	16.95	0.07	2.50	5.33	208.00	17.20	0.50
	920	16.99	0.07	1.36	5.28	210.00	11.80	1.00
	925	17.03	0.07	0.99	5.26	221.00	8.70	1.50
	930	17.00	0.07	0.85	5.26	219.00	6.61	2.00
	935	Samples collected						
MW-37	1050	20.74	0.13	5.11	5.67	267.00	5.45	0.50
	1055	20.81	0.14	4.75	5.61	267.00	3.21	1.00
	1100	20.98	0.13	4.64	5.53	271.00	4.36	1.50
	1105	20.92	0.14	4.51	5.49	274.00	2.75	2.00
	1110	20.95	0.13	4.41	5.44	272.00	2.12	2.50
	1115	Samples collected						
MW-38S	1120	19.11	0.13	5.55	5.26	288.00	9.26	0.50
	1125	19.22	0.13	5.48	5.26	288.00	7.51	1.00
	1130	19.31	0.13	5.50	5.24	291.00	6.77	1.50
	1135	19.35	0.13	5.86	5.24	297.00	7.54	2.00
	1143	19.40	0.13	5.17	5.24	299.00	4.20	2.50
	1150	19.52	0.13	5.17	5.23	299.00	4.10	3.00
	1153	19.44	0.13	5.21	5.23	301.00	3.76	3.50
	1200	Samples collected						
MW-38	1210	19.44	0.06	1.21	5.80	185.00	3.25	1.00
	1215	19.54	0.06	1.82	5.70	179.00	21.30	1.50
	1225	19.60	0.06	2.61	5.64	176.00	17.00	2.00
	1230	19.55	0.06	3.20	5.57	183.00	14.40	2.50
	1235	19.47	0.06	4.02	5.54	187.00	15.00	3.00
	1240	19.54	0.06	3.89	5.54	190.00	7.26	3.50
	1245	19.59	0.06	4.03	5.51	192.00	6.92	4.00
	1250	19.74	0.06	4.14	5.52	194.00	5.88	4.50
	1255	Samples collected						
MW-41	925	18.28	0.04	6.73	5.41	277.00	1.58	0.50
	930	18.45	0.04	6.53	5.37	282.00	1.56	1.00
	935	18.60	0.04	6.35	5.37	284.00	2.28	1.50
	940	18.69	0.04	6.41	5.37	286.00	1.92	2.00
	945	Samples collected, Split sample for MDEQ						
MW-44	1140	17.72	0.06	5.18	5.56	168.00	3.56	0.50
	1145	17.77	0.06	5.02	5.52	165.00	2.21	1.00
	1150	17.76	0.06	4.96	5.49	168.00	2.13	1.50
	1155	17.80	0.05	5.61	5.48	169.00	1.53	2.50
	1200	17.89	0.06	5.51	5.48	174.00	1.54	3.00
	1205	17.92	0.06	5.50	5.48	180.00	1.10	3.50
	1210	Samples collected						
MW-45	1325	18.10	0.04	6.60	5.42	244.00	8.48	1.00
	1330	18.10	0.04	6.90	5.40	243.00	4.91	1.50
	1335	18.23	0.04	7.08	5.40	244.00	3.04	2.50
	1340	18.22	0.04	6.99	5.39	251.00	3.28	3.50
	1345	Samples collected						
MW-46	1550	16.99	0.14	3.09	5.64	247.00	24.20	0.50
	1555	17.03	0.14	2.67	5.85	240.00	21.20	1.00
	1600	17.01	0.14	1.92	5.90	237.00	14.70	1.50
	1605	17.04	0.14	1.79	5.90	231.00	22.80	2.00
	1610	17.04	0.14	1.81	5.89	230.00	25.60	2.50
	1615	Samples collected						
MW-47	1405	17.56	0.19	4.75	5.97	30.40	74.50	1.00
	1410	17.56	0.16	3.33	6.02	28.80	31.40	2.00
	1415	17.62	0.13	2.66	5.96	44.00	21.70	2.50
	1420	17.63	0.12	2.48	5.92	54.00	10.70	3.00
	1425	17.66	0.11	2.48	5.90	58.00	9.61	3.50
	1430	17.70	0.11	2.55	5.89	51.70	5.97	4.00
	1435	Samples collected						
MW-48	1240	17.78	0.09	4.57	5.37	222.00	2.27	0.75
	1245	17.81	0.09	4.52	5.36	229.00	3.74	1.50
	1250	17.88	0.09	4.57	5.37	231.00	2.05	2.50
	1255	17.91	0.09	4.57	5.37	231.00	1.54	3.00
	1300	Samples collected						

Key:
mV= Millivolts
ORP = Oxidation/Reduction Potential
^{0}C = degrees Celsius
µS/cm = MicroSiemens per centimeter
NTU = Nephelometric Turbidity Unit

Table 3
GROUNDWATER ANALYTICAL RESULTS SUMMARY FOR CHLORINATED ORGANICS
WATER VALLEY, MISSISSIPPI

Well No.	Date	Trichloroethene	cis-1,2-Dichloroethene	1,1-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride
	MCL (µg/L)	**5**	**70**	**7**	**100**	**2**
	AWQC (µg/L)**	**0.6**	**-**	**300**	**100**	**0.022**
MW-10	3/14/2013	**9.7**	<1.0	2	<1.0	<1.0
MW-11	9/20/2006	**300**	<10	<10	<10	<10
	12/19/2006	**160**	<10	<10	<10	<10
	3/27/2007	**230**	<5.0	<5.0	<5.0	<5.0
	6/20/2007	**210**	1.1	<1.0	<1.0	<1.0
	9/8/2007	**160**	<5.0	<5.0	<5.0	<5.0
	12/5/2007	**210**	1.9	<1.0	<1.0	<1.0
	3/11/2008	**740**	5.2	<1.0	<1.0	<1.0
	6/16/2008	**620**	<10	<10	<10	<10
	9/18/2008	**260**	<10	<10	<10	<10
	12/4/2008	**340**	<8.6	<8.6	<8.6	<8.6
Dup	12/4/2008	**330**	<8.6	<8.6	<8.6	<8.6
	3/25/2009	**680**	<10	<10	<10	<10
	6/16/2009	**850**	<10	<10	<10	<10
	9/29/2009	**260**	<10	<10	<10	<10
	12/15/2009	**550**	<1.0	<1.0	<1.0	<1.0
	3/24/2010	**580**	11	<1.0	<1.0	<1.0
	7/28/2010	**250**	<10	<10	<10	<10
	9/22/2010	**300**	7.9	<5.0	<5.0	<5.0
	12/14/2010	**300**	11	<5.0	<5.0	<5.0
	3/30/2011	**450**	11	<5.0	<5.0	<5.0
	6/15/2011	**270**	<10	<10	<10	<10
	9/21/2011	**270**	15	<10	<10	<10
	12/28/2011	**430**	13	<10	<10	<10
	3/21/2012	**610**	13	<10	<10	<10
	6/20/2012	**320**	12	<10	<10	<10
	9/26/2012	**250**	11	<10	<10	<10
	12/19/2012	**320**	12	<10	<10	<10
	3/13/2013	**730**	21	<10	<10	<10
	6/28/2013	**590**	20	<20	<20	<20
	9/25/2013	**310**	15	<5.0	<5.0	<5.0
	12/18/2013	**560**	19	<1.0	<1.0	<1.0
	3/18/2014	**950**	27	<1.0	<1.0	<1.0
	6/24/2014	**630**	24	<1.0	<1.0	<1.0
	9/8/2014	**330**	18	<2.0	<2.0	<2.0
	3/24/2015	**1600**	57	<20.0	<20.0	<20.0
	9/15/2015	**330**	19	<1.0	<1.0	<1.0
	3/30/2016	**720**	25	<2.5	<2.5	<2.5
MW-12	3/14/2013	**40**	<1.0	<1.0	<1.0	<1.0
MW-14	3/14/2013	<1.0	<1.0	<1.0	<1.0	<1.0
MW-15	3/14/2013	3.7	<1.0	<1.0	<1.0	<1.0
MW-16	3/14/2013	**7.4**	<1.0	<1.0	<1.0	<1.0
MW-22S*	9/19/2006	**4300**	**130**	<1.0	16	<100
Dup	9/19/2006	**4100**	**130**	<100	<100	<100
	12/19/2006	**3300**	**170**	<100	<100	<100
	3/27/2007	**3700**	**170**	<100	<100	<100
	6/20/2007	**3200**	**190**	<100	<100	<100
	9/9/2007	**2200**	**160**	<100	<100	<100
	12/5/2007	**2800**	**150**	<100	<100	<100
	3/11/2008	**3300**	**220**	<1.0	<1.0	<1.0
	6/16/2008	**4600**	**290**	<50	<50	<50
	9/18/2008	<50	<50	<50	<50	<50
	12/3/2008	<50	<50	<50	<50	<50
	3/25/2009	<50	<50	<50	<50	<50
	6/16/2009	<50	<50	<50	<50	<50
	9/29/2009	<50	<50	<50	<50	<50
	12/15/2009	**1200**	53	<50	<50	<50
	3/24/2010	**1500**	**78**	<50	<50	<50
	7/28/2010	**5200**	**180**	<50	<50	<50
	9/22/2010	**3200**	**170**	<100	<100	<100
	12/14/2010	**3300**	**220**	<100	<100	<100
	3/30/2011	**3700**	**290**	<100	<100	<100
	6/15/2011	**3000**	**190**	<100	<100	<100
	9/21/2011	**2900**	**220**	<50	<50	<50
	12/28/2011	**4300**	**330**	<50	<50	<50
	3/21/2012	**3200**	**200**	<50	<50	<50
	6/20/2012	**2400**	**170**	<50	<50	<50
	9/26/2012	**2100**	**160**	<50	<50	<50
	12/19/2012	**2800**	**180**	<50	<50	<50
	3/13/2013	**2800**	**180**	<50	<50	<50
Dup	3/13/2013	**2500**	**170**	<50	<50	<50
	6/28/2013	**2100**	**150**	<50	<50	<50
	9/25/2013	**2800**	**220**	<50	<50	<50
	12/17/2013	**1900**	**140**	<50	<50	<50
	3/18/2014	**3600**	**250**	<10	<10	<10
	6/24/2014	**2700**	**160**	<10	<10	<10
Dup	6/24/2014	**2700**	**170**	<10	<10	<10
Dup	9/8/2014	**3100**	**230**	<10	<10	<10
	3/25/2015	**2800**	**190**	<50.0	<50.0	<50.0
	9/15/2015	**2900**	**180**	<10	<10	<10
	3/30/2016	**1600**	**130**	<.50	<.50	<.50

Table 3
GROUNDWATER ANALYTICAL RESULTS SUMMARY FOR CHLORINATED ORGANICS
WATER VALLEY, MISSISSIPPI

Well No.	Date	Trichloroethene	cis-1,2-Dichloroethene	1,1-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride
	MCL (µg/L)	5	70	7	100	2
MW-22D	9/19/2006	**860**	60	<25	<25	<25
Dup	9/19/2006	**900**	59	<25	<25	<25
	12/19/2006	**490**	58	<25	<25	<25
	3/27/2007	**510**	49	<25	<25	<25
	6/20/2007	**830**	**100**	<25	<25	<25
	9/9/2007	**640**	**84**	<25	<25	<25
	12/5/2007	**590**	**75**	<25	<25	<25
	3/11/2008	**640**	**82**	<1.0	<1.0	<1.0
	6/16/2008	**1200**	**150**	<10	<10	<10
	9/18/2008	**1200**	**130**	<10	<10	<10
	12/3/2008	**1000**	**130**	<50	<50	<10
	3/25/2009	**1900**	**250**	<50	<50	<50
	6/16/2009	**820**	**85**	<50	<50	<50
	9/29/2009	**640**	65	<50	<50	<50
	12/15/2009	**730**	**86**	<50	<50	<50
	3/24/2010	**700**	**73**	<50	<50	<50
	7/28/2010	**650**	**75**	<50	<50	<50
	9/22/2010	**910**	**75**	<10	<10	<10
	12/14/2010	**690**	**76**	<10	<10	<10
	3/30/2011	**940**	**100**	<10	<10	<10
	6/15/2011	**820**	**84**	<10	<10	<10
	9/21/2011	**940**	**110**	<50	<50	<50
	12/28/2011	**1300**	**120**	<50	<50	<50
	3/21/2012	**710**	65	<50	<50	<50
	6/20/2012	**780**	**80**	<10	<10	<10
	9/26/2012	**760**	**75**	<10	<10	<10
	12/19/2012	**880**	**79**	<10	<10	<10
	3/13/2013	**590**	60	<10	<10	<10
	6/28/2013	**640**	**72**	<10	<10	<10
	9/25/2013	**660**	**70**	<10	<10	<10
	12/17/2013	**730**	**73**	<10	<10	<10
	3/18/2014	**830**	**86**	<1.0	<1.0	<1.0
	6/24/2014	**650**	67	<1.0	<1.0	<1.0
	9/8/2014	**780**	**90**	<2.0	<2.0	<2.0
	3/25/2015	**690**	**72**	<10.0	<10.0	<10.0
	9/15/2015	**890**	**83**	<10.0	<10.0	<10.0
	3/30/2016	**680**	65	<2.5	<2.5	<2.5
MW-25D	9/19/2006	**91**	<1.0	<1.0	<1.0	<1.0
	12/19/2006	**71**	1	<1.0	<1.0	<1.0
	3/27/2007	**89**	5.3	<1.0	<1.05	<1.0
	6/20/2007	**93**	1.1	<1.0	<1.0	<1.0
	9/9/2007	**72**	1.4	<1.0	<1.0	<1.0
	12/5/2007	**93**	1.3	<1.0	<1.0	<1.0
	3/11/2008	**65**	2.1	<1.0	<1.0	<1.0
	6/16/2008	**130**	2.6	<1.0	<1.0	<1.0
	9/17/2008	**120**	<5.0	<1.0	<1.0	<1.0
	12/3/2008	**110**	<5.0	<5.0	<5.0	<5.0
	3/24/2009	**140**	<5.0	<5.0	<5.0	<5.0
	6/16/2009	**100**	<5.0	<5.0	<5.0	<5.0
	9/29/2009	**140**	<5.0	<5.0	<5.0	<5.0
	12/15/2009	**94**	<5.0	<5.0	<5.0	<5.0
	3/24/2010	**110**	<5.0	<5.0	<5.0	<5.0
	7/28/2010	**150**	<5.0	<5.0	<5.0	<5.0
	9/22/2010	**160**	<5.0	<5.0	<5.0	<5.0
	12/14/2010	**140**	<5.0	<5.0	<5.0	<5.0
	3/30/2011	**150**	6.7	<5.0	<5.0	<5.0
	6/15/2011	**160**	5.3	<5.0	<5.0	<5.0
	9/21/2011	**180**	10	<5.0	<5.0	<5.0
	12/28/2011	**210**	10	<5.0	<5.0	<5.0
	3/21/2012	**170**	7.3	<5.0	<5.0	<5.0
	6/19/2012	**170**	9.4	<5.0	<5.0	<5.0
	9/26/2012	**170**	9.4	<5.0	<5.0	<5.0
	12/19/2012	**190**	12	<5.0	<5.0	<5.0
Dup	12/19/2012	**190**	11	<5.0	<5.0	<5.0
	3/13/2013	**180**	11	<5.0	<5.0	<5.0
	6/28/2013	**180**	12	<5.0	<5.0	<5.0
	9/25/2013	**220**	16	<1.0	<1.0	<1.0
	12/17/2013	**210**	15	<10	<10	<10
Dup	12/17/2013	**220**	16	<10	<10	<10
	3/18/2014	**320**	19	<1.0	<1.0	<1.0
	6/24/2014	**250**	20	<1.0	<1.0	<1.0
	9/8/2014	**270**	24	<1.0	<1.0	<1.0
	3/24/2015	**350**	27	<2.0	<2.0	<2.0
	9/15/2015	**330**	28	<1.0	<1.0	<1.0
	3/30/2016	**280**	22	<1.0	<1.0	<1.0

Table 3
GROUNDWATER ANALYTICAL RESULTS SUMMARY FOR CHLORINATED ORGANICS
WATER VALLEY, MISSISSIPPI

Well No.	Date	Trichloroethene	cis-1,2-Dichloroethene	1,1-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride
	MCL (µg/L)	5	70	7	100	2
MW-27*	9/20/2006	**660**	**320**	<25	<25	<25
	12/19/2006	**220**	**140**	<10	<10	<10
	3/27/2007	**700**	**490**	<10	14	<10
	6/21/2007	**520**	**440**	<10	16	**14**
	9/9/2007	**550**	**250**	<10	<10	<10
	12/5/2007	**350**	**190**	<10	<10	<10
	3/12/2008	**1200**	**190**	1.7	3.7	1.6
	6/16/2008	**1300**	**340**	<20	<20	<20
	9/18/2008	**1100**	**290**	<20	<20	<20
	12/4/2008	**1200**	**200**	<17	<17	<17
	3/25/2009	**940**	**380**	<50	<50	<50
	6/16/2009	**740**	**260**	<50	<50	<50
	9/29/2009	**640**	**100**	<50	<50	<50
	12/16/2009	**590**	64	<50	<50	<50
	3/24/2010	**600**	**170**	<50	<50	<50
	7/28/2010	**870**	**170**	<50	<50	<50
	9/22/2010	**750**	**170**	<20	<20	<20
	12/14/2010	**410**	37	<20	<20	<20
	3/30/2011	**450**	**83**	<1.0	2.1	1.8
	6/16/2011	**900**	**170**	1.5	4.1	1.3
	9/21/2011	**760**	**120**	<50	<50	<50
	12/28/2011	**1200**	**130**	<50	<50	<50
	3/21/2012	**720**	**160**	<50	<50	<50
	6/20/2012	**740**	**160**	<20	<20	<20
	9/26/2012	**650**	**140**	<20	<20	<20
	12/19/2012	**810**	**110**	<20	<20	<20
	3/13/2013	**470**	**130**	<20	<20	<20
	6/28/2013	**750**	**310**	<20	<20	<20
	9/25/2013	**1000**	**200**	<20	<20	<20
	12/17/2013	**850**	**100**	<20	<20	<20
	3/18/2014	**1000**	**200**	3.0	9.7	<2.0
Dup	3/18/2014	**940**	**190**	3.1	9.7	**2.0**
	6/24/2014	**950**	**190**	2.9	10	<2.0
	9/9/2014	**1200**	**250**	<2.0	9.9	<2.0
	3/24/2015	**720**	**130**	<10.0	<10.0	<10.0
	9/15/2015	**1100**	**220**	2.9	11	<2.0
	3/31/2016	**1200**	**140**	<2.5	<2.5	<2.5
Dup	3/31/2016	**1100**	**140**	<2.5	<2.5	<2.5
MW-28S*	9/19/2006	<1.0	<1.0	<1.0	<1.0	<1.0
	12/18/2006	1.2	<1.0	<1.0	<1.0	<1.0
	3/27/2007	<1.0	<1.0	<1.0	<1.0	<1.0
	6/19/2007	<1.0	<1.0	<1.0	<1.0	<1.0
	9/8/2007	<1.0	<1.0	<1.0	<1.0	<1.0
	12/4/2007	<1.0	<1.0	<1.0	<1.0	<1.0
	3/10/2008	<1.0	<1.0	<1.0	<1.0	<1.0
	6/16/2008	<1.0	<1.0	<1.0	<1.0	<1.0
	9/17/2008	<1.0	<1.0	<1.0	<1.0	<1.0
	12/3/2008	<1.0	<1.0	<1.0	<1.0	<1.0
	3/24/2009	<1.0	<1.0	<1.0	<1.0	<1.0
	6/16/2009	<1.0	<1.0	<1.0	<1.0	<1.0
	9/29/2009	<1.0	<1.0	<1.0	<1.0	<1.0
	12/15/2009	<1.0	<1.0	<1.0	<1.0	<1.0
	3/23/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	7/27/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	9/21/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	12/13/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	3/29/2011	<1.0	<1.0	<1.0	<1.0	<1.0
	6/15/2011	<1.0	<1.0	<1.0	<1.0	<1.0
	9/20/2011	<1.0	<1.0	<1.0	<1.0	<1.0
	12/27/2011	<1.0	<1.0	<1.0	<1.0	<1.0
	3/20/2012	<1.0	<1.0	<1.0	<1.0	<1.0
	6/19/2012	<1.0	<1.0	<1.0	<1.0	<1.0
	9/26/2012	<1.0	<1.0	<1.0	<1.0	<1.0
	12/19/2012	<1.0	<1.0	<1.0	<1.0	<1.0
	3/13/2013	<1.0	<1.0	<1.0	<1.0	<1.0
	6/28/2013	<1.0	<1.0	<1.0	<1.0	<1.0
	9/25/2013	<1.0	<1.0	<1.0	<1.0	<1.0
	12/17/2013	<1.0	<1.0	<1.0	<1.0	<1.0
	3/18/2014	<1.0	<1.0	<1.0	<1.0	<1.0
	6/24/2014	<1.0	<1.0	<1.0	<1.0	<1.0
	9/8/2014	<1.0	<1.0	<1.0	<1.0	<1.0
	3/23/2015	<1.0	<1.0	<1.0	<1.0	<1.0
	9/15/2015	<1.0	<1.0	<1.0	<1.0	<1.0
Dup	9/15/2015	<1.0	<1.0	<1.0	<1.0	<1.0
	3/30/2016	0.7	<.50	<.50	<.50	<.50

Table 3
GROUNDWATER ANALYTICAL RESULTS SUMMARY FOR CHLORINATED ORGANICS
WATER VALLEY, MISSISSIPPI

Well No.	Date	Trichloroethene	cis-1,2-Dichloroethene	1,1-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride
	MCL (µg/L)	5	70	7	100	2
MW-28D	9/19/2006	5.5	<1.0	<1.0	<1.0	<1.0
	12/18/2006	<1.0	<1.0	<1.0	<1.0	<1.0
	3/26/2007	<1.0	<1.0	<1.0	<1.0	<1.0
	6/19/2007	<1.0	<1.0	<1.0	<1.0	<1.0
	9/8/2007	<1.0	<1.0	<1.0	<1.0	<1.0
	12/4/2007	<1.0	<1.0	<1.0	<1.0	<1.0
	3/10/2008	<1.0	<1.0	<1.0	<1.0	<1.0
	6/16/2008	<1.0	<1.0	<1.0	<1.0	<1.0
	9/17/2008	<1.0	<1.0	<1.0	<1.0	<1.0
	12/3/2008	<1.0	<1.0	<1.0	<1.0	<1.0
	3/24/2009	<1.0	<1.0	<1.0	<1.0	<1.0
	6/15/2009	<1.0	<1.0	<1.0	<1.0	<1.0
	9/29/2009	<1.0	<1.0	<1.0	<1.0	<1.0
	12/15/2009	<1.0	<1.0	<1.0	<1.0	<1.0
	3/23/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	7/27/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	9/21/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	12/14/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	3/29/2011	<1.0	<1.0	<1.0	<1.0	<1.0
	6/15/2011	<1.0	<1.0	<1.0	<1.0	<1.0
	9/20/2011	<1.0	<1.0	<1.0	<1.0	<1.0
	12/27/2011	<1.0	<1.0	<1.0	<1.0	<1.0
	3/21/2012	<1.0	<1.0	<1.0	<1.0	<1.0
	6/19/2012	<1.0	<1.0	<1.0	<1.0	<1.0
	9/26/2012	<1.0	<1.0	<1.0	<1.0	<1.0
	12/19/2012	<1.0	<1.0	<1.0	<1.0	<1.0
	3/13/2013	<1.0	<1.0	<1.0	<1.0	<1.0
	6/28/2013	<1.0	<1.0	<1.0	<1.0	<1.0
	9/25/2013	<1.0	<1.0	<1.0	<1.0	<1.0
	12/17/2013	<1.0	<1.0	<1.0	<1.0	<1.0
	3/18/2014	<1.0	<1.0	<1.0	<1.0	<1.0
	6/24/2014	<1.0	<1.0	<1.0	<1.0	<1.0
	9/8/2014	<1.	<1.0	<1.0	<1.0	<1.0
	3/23/2015	<1.0	<1.0	<1.0	<1.0	<1.0
	9/15/2015	<1.0	<1.0	,1.0	<1.0	<1.0
	3/30/2016	<.50	<.50	<.50	<.50	<.50
MW-30S*	9/18/2006	<1.0	<1.0	<1.0	<1.0	<1.0
	12/18/2006	<1.0	<1.0	<1.0	<1.0	<1.0
	3/26/2007	<1.0	<1.0	<1.0	<1.0	<1.0
	9/8/2007	<1.0	<1.0	<1.0	<1.0	<1.0
	12/4/2007	<1.0	<1.0	<1.0	<1.0	<1.0
	3/10/2008	<1.0	<1.0	<1.0	<1.0	<1.0
	6/16/2008	<1.0	<1.0	<1.0	<1.0	<1.0
	9/16/2008	<1.0	<1.0	<1.0	<1.0	<1.0
	12/2/2008	<1.0	<1.0	<1.0	<1.0	<1.0
	3/24/2009	<1.0	<1.0	<1.0	<1.0	<1.0
	6/15/2009	<1.0	<1.0	<1.0	<1.0	<1.0
	9/28/2009	<1.0	<1.0	<1.0	<1.0	<1.0
	12/14/2009	<1.0	<1.0	<1.0	<1.0	<1.0
	3/23/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	7/27/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	9/21/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	12/13/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	3/29/2011	<1.0	<1.0	<1.0	<1.0	<1.0
	6/14/2011	<1.0	<1.0	<1.0	<1.0	<1.0
	9/20/2011	<1.0	<1.0	<1.0	<1.0	<1.0
	12/27/2011	<1.0	<1.0	<1.0	<1.0	<1.0
	3/20/2012	<1.0	<1.0	<1.0	<1.0	<1.0
	6/19/2012	<1.0	<1.0	<1.0	<1.0	<1.0
	9/26/2012	<1.0	<1.0	<1.0	<1.0	<1.0
	12/19/2012	<1.0	<1.0	<1.0	<1.0	<1.0
	3/12/2013	<1.0	<1.0	<1.0	<1.0	<1.0
	6/28/2013	<1.0	<1.0	<1.0	<1.0	<1.0
	9/25/2013	<1.0	<1.0	<1.0	<1.0	<1.0
	12/16/2013	<1.0	<1.0	<1.0	<1.0	<1.0
	3/18/2014	<1.0	<1.0	<1.0	<1.0	<1.0
	6/24/2014	<1.0	<1.0	<1.0	<1.0	<1.0
	9/8/2014	<1.0	<1.0	<1.0	<1.0	<1.0
	3/23/2015	<1.0	<1.0	<1.0	<1.0	<1.0
Dup	3/23/2015	<1.0	<1.0	<1.0	<1.0	<1.0
	9/14/2015	<1.0	<1.0	<1.0	<1.0	<1.0
	3/30/2016	7.4	<.50	<.50	<.50	<.50

Table 3
GROUNDWATER ANALYTICAL RESULTS SUMMARY FOR CHLORINATED ORGANICS
WATER VALLEY, MISSISSIPPI

Well No.	Date	Trichloroethene	cis-1,2-Dichloroethene	1,1-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride
	MCL (µg/L)	5	70	7	100	2
MW-30D	9/18/2006	<1.0	<1.0	<1.0	<1.0	<1.0
	12/18/2006	<1.0	<1.0	<1.0	<1.0	<1.0
	3/26/2007	<1.0	<1.0	<1.0	<1.0	<1.0
	9/8/2007	<1.0	<1.0	<1.0	<1.0	<1.0
	12/4/2007	<1.0	<1.0	<1.0	<1.0	<1.0
	3/10/2008	<1.0	<1.0	<1.0	<1.0	<1.0
	6/16/2008	<1.0	<1.0	<1.0	<1.0	<1.0
	9/16/2008	<1.0	<1.0	<1.0	<1.0	<1.0
	12/2/2008	<1.0	<1.0	<1.0	<1.0	<1.0
	3/24/2009	<1.0	<1.0	<1.0	<1.0	<1.0
	6/15/2009	<1.0	<1.0	<1.0	<1.0	<1.0
	9/28/2009	<1.0	<1.0	<1.0	<1.0	<1.0
	12/14/2009	<1.0	<1.0	<1.0	<1.0	<1.0
	3/23/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	7/27/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	9/21/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	12/13/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	3/29/2011	<1.0	<1.0	<1.0	<1.0	<1.0
	6/14/2011	<1.0	<1.0	<1.0	<1.0	<1.0
	9/20/2011	<1.0	<1.0	<1.0	<1.0	<1.0
	12/27/2011	<1.0	<1.0	<1.0	<1.0	<1.0
	3/20/2012	<1.0	<1.0	<1.0	<1.0	<1.0
	6/19/2012	<1.0	<1.0	<1.0	<1.0	<1.0
	9/26/2012	<1.0	<1.0	<1.0	<1.0	<1.0
	12/19/2012	<1.0	<1.0	<1.0	<1.0	<1.0
	3/12/2013	<1.0	<1.0	<1.0	<1.0	<1.0
	6/28/2013	<1.0	<1.0	<1.0	<1.0	<1.0
	9/25/2013	<1.0	<1.0	<1.0	<1.0	<1.0
	12/16/2013	<1.0	<1.0	<1.0	<1.0	<1.0
	3/18/2014	<1.0	<1.0	<1.0	<1.0	<1.0
	6/24/2014	1.2	<1.0	<1.0	<1.0	<1.0
	9/8/2014	2.1	<1.0	<1.0	<1.0	<1.0
	3/23/2015	3.1	<1.0	<1.0	<1.0	<1.0
	9/14/2015	**6.8**	<1.0	<1.0	<1.0	<1.0
	3/30/2016	<.50	<.50	<.50	<.50	<.50
MW-31S*	9/18/2006	<1.0	<1.0	<1.0	<1.0	<1.0
	12/18/2006	<1.0	<1.0	<1.0	<1.0	<1.0
	3/26/2007	<1.0	<1.0	<1.0	<1.0	<1.0
	6/19/2007	<1.0	<1.0	<1.0	<1.0	<1.0
	9/8/2007	<1.0	<1.0	<1.0	<1.0	<1.0
	12/4/2007	<1.0	<1.0	<1.0	<1.0	<1.0
	3/10/2008	<1.0	<1.0	<1.0	<1.0	<1.0
	6/16/2008	<1.0	<1.0	<1.0	<1.0	<1.0
	9/16/2008	<1.0	<1.0	<1.0	<1.0	<1.0
	12/3/2008	<1.0	<1.0	<1.0	<1.0	<1.0
	3/24/2009	<1.0	<1.0	<1.0	<1.0	<1.0
	6/15/2009	<1.0	<1.0	<1.0	<1.0	<1.0
	9/28/2009	<1.0	<1.0	<1.0	<1.0	<1.0
	12/14/2009	<1.0	<1.0	<1.0	<1.0	<1.0
	3/23/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	7/27/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	9/21/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	12/13/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	3/29/2011	<1.0	<1.0	<1.0	<1.0	<1.0
	6/14/2011	<1.0	<1.0	<1.0	<1.0	<1.0
	9/20/2011	<1.0	<1.0	<1.0	<1.0	<1.0
	12/27/2011	<1.0	<1.0	<1.0	<1.0	<1.0
	3/20/2012	<1.0	<1.0	<1.0	<1.0	<1.0
	6/19/2012	<1.0	<1.0	<1.0	<1.0	<1.0
	9/26/2012	<1.0	<1.0	<1.0	<1.0	<1.0
	12/19/2012	<1.0	<1.0	<1.0	<1.0	<1.0
	3/12/2013	<1.0	<1.0	<1.0	<1.0	<1.0
	6/28/2013	<1.0	<1.0	<1.0	<1.0	<1.0
	9/25/2013	<1.0	<1.0	<1.0	<1.0	<1.0
	12/16/2013	<1.0	<1.0	<1.0	<1.0	<1.0
	3/18/2014	<1.0	<1.0	<1.0	<1.0	<1.0
	3/23/2015	<1.0	<1.0	<1.0	<1.0	<1.0
	9/15/2015	<1.0	<1.0	<1.0	<1.0	<1.0
	3/29/2016	<.50	<.50	<.50	<.50	<.50

Table 3
GROUNDWATER ANALYTICAL RESULTS SUMMARY FOR CHLORINATED ORGANICS
WATER VALLEY, MISSISSIPPI

Well No.	Date	Trichloroethene	cis-1,2-Dichloroethene	1,1-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride
	MCL (µg/L)	5	70	7	100	2
MW-31D	9/18/2006	1.3	<1.0	<1.0	<1.0	<1.0
	12/18/2006	1.3	<1.0	<1.0	<1.0	<1.0
	3/26/2007	<1.0	<1.0	<1.0	<1.0	<1.0
	6/19/2007	<1.0	<1.0	<1.0	<1.0	<1.0
	9/8/2007	<1.0	<1.0	<1.0	<1.0	<1.0
	12/4/2007	1.1	<1.0	<1.0	<1.0	<1.0
	3/10/2008	3.6	<1.0	<1.0	<1.0	<1.0
	6/16/2008	**5.9**	<1.0	<1.0	<1.0	<1.0
	9/16/2008	**5.5**	<1.0	<1.0	<1.0	<1.0
	12/3/2008	**6.3**	<1.0	<1.0	<1.0	<1.0
	3/24/2009	**7.9**	1.2	<1.0	<1.0	<1.0
	6/15/2009	**8.8**	1.3	<1.0	<1.0	<1.0
	9/29/2009	**14**	2.3	<1.0	<1.0	<1.0
	12/14/2009	**12**	2.5	<1.0	<1.0	<1.0
	3/23/2010	**18**	3.4	<1.0	<1.0	<1.0
	7/27/2010	**24**	5.2	<1.0	<1.0	<1.0
	9/21/2010	**38**	8.4	<1.0	<1.0	<1.0
	12/13/2010	**43**	6.8	<1.0	<1.0	<1.0
	3/29/2011	**38**	7.9	<1.0	<1.0	<1.0
	6/14/2011	**31**	5.8	<1.0	<1.0	<1.0
	9/20/2011	**42**	7.6	<1.0	<1.0	<1.0
	12/27/2011	**75**	16	<1.0	<1.0	<1.0
	3/20/2012	**31**	7.2	<1.0	<1.0	<1.0
	6/19/2012	**38**	9.1	<1.0	<1.0	<1.0
	9/26/2012	**58**	13	<1.0	<1.0	<1.0
	12/19/2012	**72**	14	<1.0	<1.0	<1.0
	3/12/2013	**60**	12	<1.0	<1.0	<1.0
	6/28/2013	**39**	10	<1.0	<1.0	<1.0
	9/25/2013	**62**	14	<1.0	<1.0	<1.0
	12/16/2013	**92**	19	<1.0	<1.0	<1.0
	3/18/2014	**95**	14	<1.0	<1.0	<1.0
	3/23/2015	**58**	13	<1.0	<1.0	<1.0
	9/15/2015	**86**	20	<1.0	<1.0	<1.0
	3/29/2016	**63**	14	<.50	<.50	<.50
MW-34	9/19/2006	**90**	4.4	<1.0	<1.0	<1.0
	12/19/2006	**19**	<1.0	<1.0	<1.0	<1.0
Dup	12/19/2006	**19**	<1.0	<1.0	<1.0	<1.0
	3/27/2007	**7.6**	<1.0	<1.0	<1.0	<1.0
	6/19/2007	<1.0	<1.0	<1.0	<1.0	<1.0
	9/8/2007	<1.0	<1.0	<1.0	<1.0	<1.0
	12/5/2007	**22**	1.1	<1.0	<1.0	<1.0
	3/11/2008	**48**	1.3	<1.0	<1.0	<1.0
	6/16/2008	**44**	1.6	<1.0	<1.0	<1.0
	9/17/2008	<1.0	<1.0	<1.0	<1.0	<1.0
	9/18/2008	<1.0	<1.1	<1.0	<1.0	<1.0
	3/24/2009	<1.0	<1.2	<1.0	<1.0	<1.0
	6/16/2009	<1.0	<1.0	<1.0	<1.0	<1.0
	9/29/2009	<1.0	<1.0	<1.0	<1.0	<1.0
	12/15/2009	1.6	<1.0	<1.0	<1.0	<1.0
	3/24/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	7/27/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	9/22/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	12/14/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	3/30/2011	<1.0	<1.0	<1.0	<1.0	<1.0
	6/15/2011	<1.0	<1.0	<1.0	<1.0	<1.0
	9/21/2011	<1.0	<1.0	<1.0	<1.0	<1.0
	12/28/2011	<1.0	<1.0	<1.0	<1.0	<1.0
	3/21/2012	<1.0	<1.0	<1.0	<1.0	<1.0
	6/20/2012	<1.0	<1.0	<1.0	<1.0	<1.0
	9/26/2012	<1.0	<1.0	<1.0	<1.0	<1.0
	12/19/2012	<1.0	<1.0	<1.0	<1.0	<1.0
	3/14/2013	<1.0	<1.0	<1.0	<1.0	<1.0
	6/28/2013	<1.0	<1.0	<1.0	<1.0	<1.0
	9/25/2013	<1.0	<1.0	<1.0	<1.0	<1.0
	12/17/2013	<1.0	<1.0	<1.0	<1.0	<1.0
	3/18/2014	<1.0	<1.0	<1.0	<1.0	<1.0
	6/24/2014	<1.0	<1.0	<1.0	<1.0	<1.0
	9/8/2014	<1.0	<1.0	<1.0	<1.0	<1.0
	3/23/2015	<1.0	<1.0	<1.0	<1.0	<1.0
	9/16/2015	2.1	<1.0	<1.0	<1.0	<1.0
	3/30/2016	<.50	<.50	<.50	<.50	<.50

Table 3
GROUNDWATER ANALYTICAL RESULTS SUMMARY FOR CHLORINATED ORGANICS
WATER VALLEY, MISSISSIPPI

Well No.	Date	Trichloroethene	cis-1,2-Dichloroethene	1,1-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride
	MCL (µg/L)	5	70	7	100	2
MW-35*	9/18/2006	**27**	<1.0	<1.0	<1.0	<1.0
	12/18/2006	**14**	<1.0	<1.0	<1.0	<1.0
	3/26/2007	**23**	<1.0	<1.0	<1.0	<1.1
	6/19/2007	**22**	<1.0	<1.0	<1.0	<1.0
	9/8/2007	**24**	<1.0	<1.0	<1.0	<1.0
	12/4/2007	**25**	<1.0	<1.0	<1.0	<1.0
	3/10/2008	**28**	<1.0	<1.0	<1.0	<1.0
	6/16/2008	**63**	<1.0	<1.0	<1.0	<1.0
	9/16/2008	**56**	<1.0	<1.0	<1.0	<1.0
	12/2/2008	**59**	<1.0	<1.0	<1.0	<1.0
	3/24/2009	**74**	<1.0	<1.0	<1.0	<1.0
	6/15/2009	**70**	<1.0	<1.0	<1.0	<1.0
	9/28/2009	**83**	<1.0	<1.0	<1.0	<1.0
	12/14/2009	**78**	<5.0	<5.0	<5.0	<5.0
	3/23/2010	**89**	<1.0	<1.0	<1.0	<1.0
	7/27/2010	**58**	<1.0	<1.0	<1.0	<1.0
	9/21/2010	**84**	<2.0	<2.0	<2.0	<2.0
	12/13/2010	**88**	<1.0	<1.0	<1.0	<1.0
	3/29/2011	**130**	<2.0	<2.0	<2.0	<2.0
	6/14/2011	**98**	<2.0	<2.0	<2.0	<2.0
	9/20/2011	**230**	3	<2.0	<2.0	<2.0
	12/27/2011	**330**	<10	<10	<10	<10
	3/20/2012	**170**	<10	<10	<10	<10
	6/19/2012	**220**	<5.0	<5.0	<5.0	<5.0
	9/26/2012	**170**	<5.0	<5.0	<5.0	<5.0
	12/19/2012	**310**	4.2	<5.0	<5.0	<5.0
	3/12/2013	**290**	<5.0	>5.0	>5.0	>5.0
	6/28/2013	**260**	<10	<10	<10	<10
	9/25/2013	**240**	4.7	<1.0	<1.0	<1.0
	12/26/2013	**260**	5.2	<1.0	<1.0	<1.0
	3/18/2014	**320**	4.3	<1.0	<1.0	<1.0
	6/24/2014	**240**	4.6	<1.0	<1.0	<1.0
	9/8/2014	**310**	6.1	<1.0	<1.0	<1.0
	3/23/2015	**230**	4.4	<2.0	<2.0	<2.0
Dup	3/23/2015	**230**	4.3	<2.0	<2.0	<2.0
	9/14/2015	**270**	5.4	<1.0	<1.0	<1.0
	3/31/2016	**220**	4	<.50	<.50	<.50
MW-37*	9/20/2006	**880**	60	<50	<50	<50
	12/19/2006	**490**	59	<20	<20	<20
	3/27/2007	**440**	44	<20	<20	<20
	6/21/2007	**580**	62	<20	<20	<20
	9/8/2007	**680**	**74**	<20	<20	<20
	12/5/2007	**810**	**79**	<20	<20	<20
	3/12/2008	**940**	**96**	<1.0	<1.0	<1.0
	6/16/2008	**1100**	**110**	<20	<20	<20
	9/18/2008	**590**	60	<20	<20	<20
	12/4/2008	**890**	**99**	<17	<17	<17
	3/25/2009	**460**	41	<10	<10	<10
	6/17/2009	**820**	**89**	<10	<10	<10
	9/29/2009	**600**	55	<10	<10	<10
	12/16/2009	**590**	59	<10	<10	<10
	3/24/2010	**720**	63	<10	<10	<10
	7/28/2010	**690**	64	<10	<10	<10
	9/22/2010	**740**	69	<10	<10	<10
	12/14/2010	**760**	**79**	<10	<10	<10
	3/30/2011	**980**	**100**	<10	<10	<10
	6/16/2011	**900**	**100**	<10	<10	<10
	12/28/2011	**890**	**100**	<10	<10	<10
Dup	12/28/2011	**840**	**91**	<10	<10	<10
	3/21/2012	**830**	**88**	<10	<10	<10
	6/20/2012	**590**	64	<20	<20	<20
	9/26/2012	**500**	50	<20	<20	<20
	12/19/2012	**670**	69	<20	<20	<20
	3/13/2013	**960**	**100**	<20	<20	<20
	6/28/2013	**660**	**78**	<20	<20	<20
	9/25/2013	**720**	**83**	<20	<20	<20
	12/17/2013	**620**	66	<20	<20	<20
	3/18/2014	**790**	**99**	<2.0	2.0	<2.0
	6/25/2014	**650**	**78**	<2.0	<2.0	<2.0
	9/9/2014	**700**	**87**	<2.0	<2.0	<2.0
DUP	9/9/2014	**700**	**86**	<2.0	<2.0	<2.0
	3/24/2015	**790**	**88**	<10.0	<10.0	<10.0
	9/15/2015	**720**	**74**	<2.0	<2.0	<2.0
	3/31/2016	**810**	**81**	<2.5	<2.5	<2.5

Table 3
GROUNDWATER ANALYTICAL RESULTS SUMMARY FOR CHLORINATED ORGANICS
WATER VALLEY, MISSISSIPPI

Well No.	Date	Trichloroethene	cis-1,2-Dichloroethene	1,1-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride
	MCL (µg/L)	5	70	7	100	2
MW-38	9/20/2006	1.8	<1.0	<1.0	<1.0	<1.0
	12/19/2006	**9.1**	<10	<1.0	<1.0	<1.0
	3/27/2007	**6.2**	1	<1.0	<1.0	<1.0
	6/20/2007	<1.0	<1.0	<1.0	<1.0	<1.0
	9/9/2007	**12**	1	<1.0	<1.0	<1.0
	12/6/2007	**9.1**	<1.0	<1.0	<1.0	<1.0
	3/12/2008	<1.0	<1.0	<1.0	<1.0	<1.0
	6/16/2008	**16**	<1.0	<1.0	<1.0	<1.0
	9/17/2008	<1.0	<1.0	<1.0	<1.0	<1.0
	12/4/2008	<1.0	<1.0	<1.0	<1.0	<1.0
	3/26/2009	**25**	<1.0	<1.0	<1.0	<1.0
	6/17/2009	<1.0	<1.0	<1.0	<1.0	<1.0
	9/30/2009	<1.0	<1.0	<1.0	<1.0	<1.0
	12/16/2009	NA	**NA**	NA	NA	NA
	3/24/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	7/28/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	9/22/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	12/14/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	3/30/2011	<1.0	<1.0	<1.0	<1.0	<1.0
	6/15/2011	<1.0	<1.0	<1.0	<1.0	<1.0
	9/21/2011	<1.0	<1.0	<1.0	<1.0	<1.0
	12/28/2011	<1.0	<1.0	<1.0	<1.0	<1.0
	3/21/2012	<1.0	<1.0	<1.0	<1.0	<1.0
	6/20/2012	<1.0	<1.0	<1.0	<1.0	<1.0
	9/26/2012	<1.0	<1.0	<1.0	<1.0	<1.0
	12/19/2012	<1.0	<1.0	<1.0	<1.0	<1.0
	3/13/2013	<1.0	<1.0	<1.0	<1.0	<1.0
	6/28/2013	<1.0	<1.0	<1.0	<1.0	<1.0
	9/25/2013	<1.0	<1.0	<1.0	<1.0	<1.0
	12/17/2013	<1.0	<1.0	<1.0	<1.0	<1.0
	3/18/2014	<1.0	<1.0	<1.0	<1.0	<1.0
	6/24/2014	<1.0	<1.0	<1.0	<1.0	<1.0
	9/9/2014	<1.0	<1.0	<1.0	<1.0	<1.0
	3/24/2015	<1.0	<1.0	<1.0	<1.0	<1.0
	9/16/2015	<1.0	<1.0	<1.0	<1.0	<1.0
	3/30/2016	<.50	<.50	<.50	<.50	<.50
MW-38S*	9/20/2006	**35**	1.5	<1.0	<1.0	<1.0
	12/19/2006	**16**	<1.0	<1.0	<1.0	<1.0
	3/27/2007	**15**	1.6	<1.0	<1.0	<1.0
	6/20/2007	**14**	<1.0	<1.0	<1.0	<1.0
	9/9/2007	**30**	1.8	<1.0	<1.0	<1.0
Dup	9/9/2007	**32**	1.8	<1.0	<1.0	<1.0
	12/6/2007	**13**	<1.0	<1.0	<1.0	<1.0
	3/12/2008	5.4	<1.0	<1.0	<1.0	<1.0
	6/16/2008	**20**	1.1	<1.0	<1.0	<1.0
	9/16/2008	2.7	1.1	<1.0	<1.0	<1.0
	12/4/2008	3.4	<1.0	<1.0	<1.0	<1.0
	3/26/2009	**84**	<1.0	<1.0	<1.0	<1.0
	6/17/2009	3.5	<1.0	<1.0	<1.0	<1.0
	9/30/2009	4.5	<1.0	<1.0	<1.0	<1.0
	12/16/2009	2.7	<1.0	<1.0	<1.0	<1.0
	3/24/2010	2.8	<1.0	<1.0	<1.0	<1.0
	7/28/2010	**15**	<1.0	<1.0	<1.0	<1.0
	9/22/2010	**10**	<1.0	<1.0	<1.0	<1.0
	12/14/2010	2.2	<1.0	<1.0	<1.0	<1.0
	3/30/2011	<1.0	<1.0	<1.0	<1.0	<1.0
	6/15/2011	4.7	<1.0	<1.0	<1.0	<1.0
	9/21/2011	**6.1**	<1.0	<1.0	<1.0	<1.0
	12/28/2011	3.7	<1.0	<1.0	<1.0	<1.0
	3/21/2012	3.4	<1.0	<1.0	<1.0	<1.0
	6/20/2012	**9.6**	<1.0	<1.0	<1.0	<1.0
	9/26/2012	2.5	<1.0	<1.0	<1.0	<1.0
	12/19/2012	1.2	<1.0	<1.0	<1.0	<1.0
	3/13/2013	1.7	<1.0	<1.0	<1.0	<1.0
	6/28/2013	**9.6**	<1.0	<1.0	<1.0	<1.0
	9/25/2013	**14**	<1.0	<1.0	<1.0	<1.0
	12/17/2013	2.6	<1.0	<1.0	<1.0	<1.0
	3/18/2014	3.9	<1.0	<1.0	<1.0	<1.0
	6/24/2014	**7.5**	<1.0	<1.0	<1.0	<1.0
	9/9/2014	**12**	<1.0	<1.0	<1.0	<1.0
	3/24/2015	1.1	<1.0	<1.0	<1.0	<1.0
	9/16/2015	**7.4**	<1.0	<1.0	<1.0	<1.0
	3/30/2016	4.9	0.52	<.50	<.50	<.50

Table 3
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WATER VALLEY, MISSISSIPPI

Well No.	Date	Trichloroethene	cis-1,2-Dichloroethene	1,1-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride
	MCL (µg/L)	5	70	7	100	2
MW-41	12/19/2006	**170**	17	<10	<10	<10
	3/27/2007	**250**	16	<5	<5	<5
	3/27/2007	**240**	16	<5	<5	<5
Dup	6/20/2007	**240**	25	<1.0	<1.0	<1.0
	9/8/2007	**200**	20	<5.0	<5.0	<5.0
	12/4/2007	**240**	21	<5.0	<5.0	<5.0
	3/11/2008	**250**	35	<1.0	<1.0	<1.0
	6/16/2008	**400**	44	<1.0	<1.0	<1.0
	9/17/2008	**460**	38	<1.0	<1.0	<1.0
	12/3/2008	**450**	43	<10	<10	<10
	3/24/2009	**620**	**75**	<10	<10	<10
	6/16/2009	**520**	39	<10	<10	<10
	9/29/2009	**390**	34	<1.0	<1.0	<1.0
	12/15/2009	**400**	37	<10	<10	<10
	3/24/2010	**390**	33	<10	<10	<10
	7/28/2010	**490**	47	<10	<10	<10
	9/22/2010	**570**	64	<10	<10	<10
	12/14/2010	**480**	46	<20	<20	<20
	3/30/2011	**600**	61	<20	<20	<20
	6/15/2011	**500**	46	<20	<20	<20
	9/21/2011	**560**	51	<10	<10	<10
	12/28/2011	**720**	**83**	<20	<20	<20
	3/21/2012	**550**	51	<20	<20	<20
	6/19/2012	**480**	53	<20	<20	<20
	9/26/2012	**450**	45	<20	<20	<20
	12/19/2012	**550**	57	<20	<20	<20
	3/3/2013	**540**	57	<20	<20	<20
	6/28/2013	**530**	57	<10	<10	<10
	9/25/2013	**630**	65	<20	<20	<20
	12/17/2013	**540**	58	<10	<10	<10
	3/18/2014	**1000**	**82**	<1.0	<1.0	<1.0
	6/24/2014	**540**	55	<1.0	<1.0	<1.0
	9/8/2014	**590**	**70**	<2.0	<2.0	<2.0
	3/24/2015	**620**	66	<10.0	<10.0	<10.0
	9/15/2015	**680**	**71**	<1.0	2.8	<1.0
	3/30/2016	**640**	59	<2.5	<2.5	<2.5
MW-43	6/20/2012	**600**	<10	<10	<10	<10
MW-44	9/20/2006	**400**	<10	<10	<10	<10
	12/20/2006	**370**	<10	<10	<10	<10
	12/20/2006	**350**	<10	<10	<10	<10
Dup	3/28/2007	**350**	<10	<10	<10	<10
	6/20/2007	**510**	<10	<10	<10	<10
	9/9/2007	**410**	<10	<10	<10	<10
	12/6/2007	**690**	<10	<10	<10	<10
	3/11/2008	**1000**	<1.0	<1.0	<1.0	<1.0
	6/16/2008	**1100**	<20	<20	<20	<20
	9/18/2008	**1000**	<20	<20	<20	<20
	12/4/2008	**1400**	<17	<17	<17	<17
	3/26/2009	**2100**	<50	<50	<50	<50
	6/17/2009	**2100**	<50	<50	<50	<50
	9/30/2009	**2200**	<50	<50	<50	<50
	12/16/2009	**3500**	<50	<50	<50	<50
	3/24/2010	**2600**	<50	<50	<50	<50
	7/28/2010	**2800**	<50	<50	<50	<50
	9/22/2010	**2100**	<50	<50	<50	<50
	12/15/2010	**2700**	<50	<50	<50	<50
	3/30/2011	**3200**	<50	<50	<50	<50
	6/16/2011	**3400**	<50	<50	<50	<50
	9/21/2011	**3000**	<50	<50	<50	<50
	12/29/2011	**4300**	<50	<50	<50	<50
	3/21/2012	**3500**	<50	<50	<50	<50
Dup	3/21/2012	**3300**	<50	<50	<50	<50
	6/20/2012	**3500**	<500	<500	<500	<500
	6/20/2012	**2700**	<50	<50	<50	<50
	9/26/2012	**3100**	<100	<100	<100	<100
Dup	9/26/2012	**3100**	<100	<100	<100	<100
	12/19/2012	**3500**	<100	<100	<100	<100
	3/13/2013	**3000**	<100	<100	<100	<100
	6/28/2013	**3300**	<100	<100	<100	<100
	9/25/2013	**3200**	<100	<100	<100	<100
	12/17/2013	**3300**	<100	<100	<100	<100
	3/18/2014	**3100**	68	<10	<10	<10
	6/24/2014	**2300**	**75**	<1.0	<1.0	<1.0
	9/9/2014	**2700**	**86**	<5.0	<5.0	<5.0
	3/24/2015	**2500**	**74**	<50.0	<50.0	<50.0
	9/16/2015	**2800**	**74**	<10	<10	<10
	3/29/2016	**1600**	58	<.50	<.50	<.50

Table 3
GROUNDWATER ANALYTICAL RESULTS SUMMARY FOR CHLORINATED ORGANICS
WATER VALLEY, MISSISSIPPI

Well No.	Date	Trichloroethene	cis-1,2-Dichloroethene	1,1-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride
	MCL (µg/L)	5	70	7	100	2
MW-45	12/20/2006	**9.1**	<1.0	<1.0	<1.0	<1.0
	3/28/2007	**9.6**	<1.0	<1.0	<1.0	<1.0
	6/20/2007	**6.5**	<1.0	<1.0	<1.0	<1.0
	9/9/2007	**14**	<1.0	<1.0	<1.0	<1.0
	12/6/2007	**18**	<1.0	<1.0	<1.0	<1.0
	3/12/2008	<1.0	<1.0	<1.0	<1.0	<1.0
	6/16/2008	**31**	<1.0	<1.0	<1.0	<1.0
	9/17/2008	<1.0	<1.0	<1.0	<1.0	<1.0
	12/4/2008	<1.0	<1.0	<1.0	<1.0	<1.0
	3/25/2009	<1.0	<1.0	<1.0	<1.0	<1.0
	6/17/2009	<1.0	<1.0	<1.0	<1.0	<1.0
	9/30/2009	<1.0	<1.0	<1.0	<1.0	<1.0
	12/16/2009	<1.0	<1.0	<1.0	<1.0	<1.0
	3/24/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	7/28/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	9/22/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	12/15/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	3/31/2011	<1.0	<1.0	<1.0	<1.0	<1.0
	6/15/2011	<1.0	<1.0	<1.0	<1.0	<1.0
	9/21/2011	<1.0	<1.0	<1.0	<1.0	<1.0
	12/29/2011	<1.0	<1.0	<1.0	<1.0	<1.0
	3/21/2012	<1.0	<1.0	<1.0	<1.0	<1.0
	6/20/2012	<1.0	<1.0	<1.0	<1.0	<1.0
	9/26/2012	<1.0	<1.0	<1.0	<1.0	<1.0
	12/19/2012	<1.0	<1.0	<1.0	<1.0	<1.0
	3/13/2013	<1.0	<1.0	<1.0	<1.0	<1.0
	6/28/2013	<1.0	<1.0	<1.0	<1.0	<1.0
	9/25/2013	<1.0	<1.0	<1.0	<1.0	<1.0
	12/18/2013	<1.0	<1.0	<1.0	<1.0	<1.0
	3/18/2014	<1.0	<1.0	<1.0	<1.0	<1.0
	6/24/2014	<1.0	<1.0	<1.0	<1.0	<1.0
	9/9/2014	<1.0	<1.0	<1.0	<1.0	<1.0
	3/24/2015	NS	NS	NS	NS	NS
	9/16/2015	<1.0	<1.0	<1.0	<1.0	<1.0
	3/29/2016	<.50	<.50	<.50	<.50	<.50
MW-46	9/21/2006	**36**	<1.0	<1.0	<1.0	<1.0
Dup	12/20/2006	**32**	<1.0	<1.0	<1.0	<1.0
	3/28/2007	**49**	<1.0	<1.0	<1.0	<1.0
	6/20/2007	**39**	<1.0	<1.0	<1.0	<1.0
	9/9/2007	**39**	<1.0	<1.0	<1.0	<1.0
	12/6/2007	**36**	<1.0	<1.0	<1.0	<1.0
	3/12/2008	**64**	<1.0	<1.0	<1.0	<1.0
	6/16/2008	**63**	1.4	<1.0	<1.0	<1.0
	9/17/2008	**30**	17	<1.0	<1.0	<1.0
	12/4/2008	**40**	13	<1.0	<1.0	<1.0
	3/25/2009	**63**	4.2	<1.0	<1.0	<1.0
	6/17/2009	**50**	7.7	<1.0	<1.0	<1.0
	9/30/2009	**69**	8.0	<1.0	<1.0	<1.0
	12/16/2009	**64**	2.2	<1.0	<1.0	<1.0
	3/24/2010	**25**	<1.0	<1.0	<1.0	<1.0
	7/28/2010	**68**	4.5	<1.0	<1.0	<1.0
	9/22/2010	**87**	5	<1.0	<1.0	<1.0
	12/15/2010	**75**	5	<1.0	<1.0	<1.0
	3/31/2011	3	<1.0	<1.0	<1.0	<1.0
	6/16/2011	**55**	2.6	<1.0	<1.0	<1.0
	9/21/2011	**44**	2.8	<1.0	<1.0	<1.0
	12/29/2011	**14**	1.6	<1.0	<1.0	<1.0
	3/21/2012	**59**	3.1	<1.0	<1.0	<1.0
	6/20/2012	**86**	8.8	<1.0	<1.0	<1.0
	9/26/2012	**88**	18	<1.0	<1.0	<1.0
	12/19/2012	**96**	16	<1.0	<1.0	<1.0
	3/13/2013	**25**	3.4	<1.0	<1.0	<1.0
	6/28/2013	**62**	30	<1.0	<1.0	<1.0
	9/25/2013	**74**	54	<1.0	<1.0	<1.0
	12/18/2013	**78**	31	<1.0	<1.0	<1.0
	3/18/2014	**110**	18	<1.0	<1.0	<1.0
	6/24/2014	**130**	13	<1.0	<1.0	<1.0
	9/9/2014	**190**	12	<1.0	<1.0	<1.0
	3/24/2015	NS	NS	NS	NS	NS
	9/16/2015	210	11	<1.0	<1.0	<1.0
	3/30/2016	**200**	6	<.50	<.50	<.50

Table 3
GROUNDWATER ANALYTICAL RESULTS SUMMARY FOR CHLORINATED ORGANICS
WATER VALLEY, MISSISSIPPI

Well No.	Date	Trichloroethene	cis-1,2-Dichloroethene	1,1-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride
	MCL (µg/L)	5	70	7	100	2
MW-47*	3/18/2014	<1.0	<1.0	<1.0	<1.0	<1.0
	6/24/2014	<1.0	<1.0	<1.0	<1.0	<1.0
	9/9/2014	<1.0	<1.0	<1.0	<1.0	<1.0
	3/24/2015	<1.0	<1.0	<1.0	<1.0	<1.0
	9/16/2015	<1.0	<1.0	<1.0	<1.0	<1.0
	3/29/2016	<.50	<.50	<.50	<.50	<.50
MW-48*	3/18/2014	<1.0	<1.0	<1.0	<1.0	<1.0
	6/24/2014	<1.0	<1.0	<1.0	<1.0	<1.0
	9/9/2014	1.0	<1.0	<1.0	<1.0	<1.0
	3/24/2015	<1.0	<1.0	<1.0	<1.0	<1.0
	9/16/2015	2.4	<1.0	<1.0	<1.0	<1.0
	3/29/2016	0.5	<.50	<.50	<.50	<.50
CS-1	6/20/2007	<1.0	<1.0	<1.0	<1.0	<1.0
	9/9/2007	<1.0	<1.0	<1.0	<1.0	<1.0
	12/6/2007	1.2	<1.0	<1.0	<1.0	<1.0
	3/12/2008	<1.0	<1.0	<1.0	<1.0	<1.0
	6/16/2008	<1.0	<1.0	<1.0	<1.0	<1.0
	9/18/2008	<1.0	<1.0	<1.0	<1.0	<1.0
	12/4/2008	<1.0	<1.0	<1.0	<1.0	<1.0
	3/25/2009	<1.0	<1.0	<1.0	<1.0	<1.0
	6/17/2009	<1.0	<1.0	<1.0	<1.0	<1.0
	9/30/2009	<1.0	<1.0	<1.0	<1.0	<1.0
	12/16/2009	<1.0	<1.0	<1.0	<1.0	<1.0
	3/24/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	7/28/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	9/22/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	12/15/2010	**4.1**	<1.0	<1.0	<1.0	<4.1
	3/31/2011	<1.0	<1.0	<1.0	<1.0	<1.0
	6/16/2011	**3.1**	<1.0	<1.0	<1.0	<1.0
	9/21/2011	<1.0	<1.0	<1.0	<1.0	<1.0
	12/28/2011	<1.0	<1.0	<1.0	<1.0	<1.0
	3/21/2012	2.3	<1.0	<1.0	<1.0	<1.0
	6/20/2012	1.0	<1.0	<1.0	<1.0	<1.0
	9/26/2012	**5.8**	<1.0	<1.0	<1.0	<1.0
	12/19/2012	<1.0	<1.0	<1.0	<1.0	<1.0
	3/12/2013	<1.0	<1.0	<1.0	<1.0	<1.0
	6/28/2013	**2.9**	<1.0	<1.0	<1.0	<1.0
	9/25/2013	2.1	<1.0	<1.0	<1.0	<1.0
	12/17/2013	<1.0	<1.0	<1.0	<1.0	<1.0
	3/18/2014	**5.3**	<1.0	<1.0	<1.0	<1.0
	6/24/2014	<1.0	<1.0	<1.0	<1.0	<1.0
	9/9/2014	<1.0	<1.0	<1.0	<1.0	<1.0
	3/25/2015	<1.0	<1.0	<1.0	<1.0	<1.0
	9/16/2015	<1.0	<1.0	<1.0	<1.0	<1.0
	3/31/2016	NS	NS	NS	NS	NS
CS-2	6/20/2007	<1.0	<1.0	<1.0	<1.0	<1.0
	9/9/2007	<1.0	<1.0	<1.0	<1.0	<1.0
	12/6/2007	<1.0	<1.0	<1.0	<1.0	<1.0
	3/12/2008	<1.0	<1.0	<1.0	<1.0	<1.0
	6/16/2008	<1.0	<1.0	<1.0	<1.0	<1.0
	9/18/2008	<1.0	<1.0	<1.0	<1.0	<1.0
	12/4/2008	<1.0	<1.0	<1.0	<1.0	<1.0
	3/25/2009	<1.0	<1.0	<1.0	<1.0	<1.0
	6/17/2009	<1.0	<1.0	<1.0	<1.0	<1.0
	9/30/2009	<1.0	<1.0	<1.0	<1.0	<1.0
	12/16/2009	<1.0	<1.0	<1.0	<1.0	<1.0
	3/24/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	7/28/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	9/22/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	12/15/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	3/31/2011	<1.0	<1.0	<1.0	<1.0	<1.0
	6/16/2011	**4.5**	<1.0	<1.0	<1.0	<1.0
	9/21/2011	<1.0	<1.0	<1.0	<1.0	<1.0
	12/28/2011	<1.0	<1.0	<1.0	<1.0	<1.0
	3/21/2012	2.4	<1.0	<1.0	<1.0	<1.0
	6/20/2012	**2.9**	<1.0	<1.0	<1.0	<1.0
	9/26/2012	**4.8**	<1.0	<1.0	<1.0	<1.0
	12/19/2012	<1.0	<1.0	<1.0	<1.0	<1.0
	3/12/2013	<1.0	<1.0	<1.0	<1.0	<1.0
	6/28/2013	**2.9**	<1.0	<1.0	<1.0	<1.0
	9/25/2013	**2.9**	1.2	<1.0	<1.0	<1.0
	12/17/2013	1.1	<1.0	<1.0	<1.0	<1.0
	3/18/2014	**4.9**	<1.0	<1.0	<1.0	<1.0
	6/24/2014	<1.0	<1.0	<1.0	<1.0	<1.0
	9/9/2014	<1.0	<1.0	<1.0	<1.0	<1.0
	3/25/2015	<1.0	<1.0	<1.0	<1.0	<1.0
	9/16/2015	<1.0	<1.0	<1.0	<1.0	<1.0
	3/31/2016	<.50	<.50	<.50	<.50	<.50

Table 3
GROUNDWATER ANALYTICAL RESULTS SUMMARY FOR CHLORINATED ORGANICS
WATER VALLEY, MISSISSIPPI

Well No.	Date	Trichloroethene	cis-1,2-Dichloroethene	1,1-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride
	MCL (µg/L)	**5**	**70**	**7**	**100**	**2**
CS-3	6/20/2007	<1.0	<1.0	<1.0	<1.0	<1.0
	9/9/2007	<1.0	<1.0	<1.0	<1.0	<1.0
	12/6/2007	<1.0	<1.0	<1.0	<1.0	<1.0
	3/12/2008	<1.0	<1.0	<1.0	<1.0	<1.0
	6/16/2008	<1.0	<1.0	<1.0	<1.0	<1.0
	9/18/2008	<1.0	<1.0	<1.0	<1.0	<1.0
	12/4/2008	<1.0	<1.0	<1.0	<1.0	<1.0
	3/25/2009	<1.0	<1.0	<1.0	<1.0	<1.0
	6/17/2009	<1.0	<1.0	<1.0	<1.0	<1.0
	9/30/2009	<1.0	<1.0	<1.0	<1.0	<1.0
	12/16/2009	<1.0	<1.0	<1.0	<1.0	<1.0
	3/24/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	7/28/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	9/22/2010	<1.0	<1.0	<1.0	<1.0	<1.0
	12/15/2010	**2.8**	<1.0	<1.0	<1.0	<2.8
	3/31/2011	<1.0	<1.0	<1.0	<1.0	<1.0
	6/16/2011	**4.9**	<1.0	<1.0	<1.0	<1.0
	9/21/2011	<1.0	<1.0	<1.0	<1.0	<1.0
	12/28/2011	<1.0	<1.0	<1.0	<1.0	<1.0
	3/21/2012	2.3	<1.0	<1.0	<1.0	<1.0
	6/20/2012	**3.5**	<1.0	<1.0	<1.0	<1.0
	9/26/2012	**5.5**	<1.0	<1.0	<1.0	<1.0
	12/19/2012	1	<1.0	<1.0	<1.0	<1.0
	3/12/2013	<1.0	<1.0	<1.0	<1.0	<1.0
	6/28/2013	**2.7**	<1.0	<1.0	<1.0	<1.0
	9/25/2013	1.5	<1.0	<1.0	<1.0	<1.0
	12/17/2013	<1.0	<1.0	<1.0	<1.0	<1.0
	3/18/2014	**7.5**	<1.0	<1.0	<1.0	<1.0
	6/24/2014	<1.0	<1.0	<1.0	<1.0	<1.0
	9/9/2014	<1.0	<1.0	<1.0	<1.0	<1.0
	3/25/2015	<1.0	<1.0	<1.0	2.8	<1.0
	9/16/2015	<1.0	<1.0	<1.0	<1.0	<1.0
	3/31/2016	NS	NS	NS	NS	NS
RW-2	3/14/2013	**91**	6.6	<1.0	<1.0	<1.0
RW-3	3/14/2013	1.2	<1.0	<1.0	<1.0	<1.0

Note: All results in micrograms per liter (µg/L)

**= AWQC changed June 2015. Prior to June 2015 update: (in ug/L)

TCE	2.5
cis-1,2-DCE	none
trans-1,2-DCE	140
1,1-DCE	330
VC	0.025

Key:

Dup = Duplicate sample results

NA = Not analyzed

Bold = Above Maximum Contaminant Level (MCL)

Italic = Laboratory Reporting Limit above MCL

* = Shallow wells

CS = Creek Sample

M:\Pensacola\Water_Valley\maps\mxds\spring_2016\Potentiometric_Surface_Map.mxd

N

NOT TO SCALE

MW-47
271.20

MW-48
263.63

MW-45

MW-46

MW-30S
262.99

MW-30D

MW-44

MW-40

MW-43

MW-39

MW-42

MW-38S
272.05

MW-38

Yalobusha
General
Hospital

Mississippi Highway 32

Champion Circle

Private Drive

Ditch

Pond

RW-5

CS-3

Okuabeha Creek

MW-35
261.89

Tower 2

RW-4

MW-29S
265.95

CS-2

CS-1

MW-290

Private Drive

Ditch

MW-24
268.14

MW-33

MW-31D

MW-31S
262.86

Mississippi Highway 7

MW-37
276.5

MW-25D

MW-25S
272.05

MW-41

MW-11

Yalobusha County
Health Department

Stream

MW-27
277.0

MW-23S

MW-23D

Tower 1

MW-32

MW-17

MW-22S
274.86

MW-22D

RW-1

MW-5

MW-36

MW-19

Hendrick's
Well

MW-4

MW-8S

MW-8D

Hand
Pump

RW-2

MW-12

MW-9D

MW-9S

MW-6

MW-20

MW-28S
262.68

Former
Holley Automotive

Mississippi Highway 32

RW-3

MW-28D

MW-16

MW-3

MW-2

MW-18

MW-10

MW-15

MW-7S

MW-7D

City
Well

MW-1

Benchmark

MW-21D

MW-21S

MW-14

MW-34

275

270

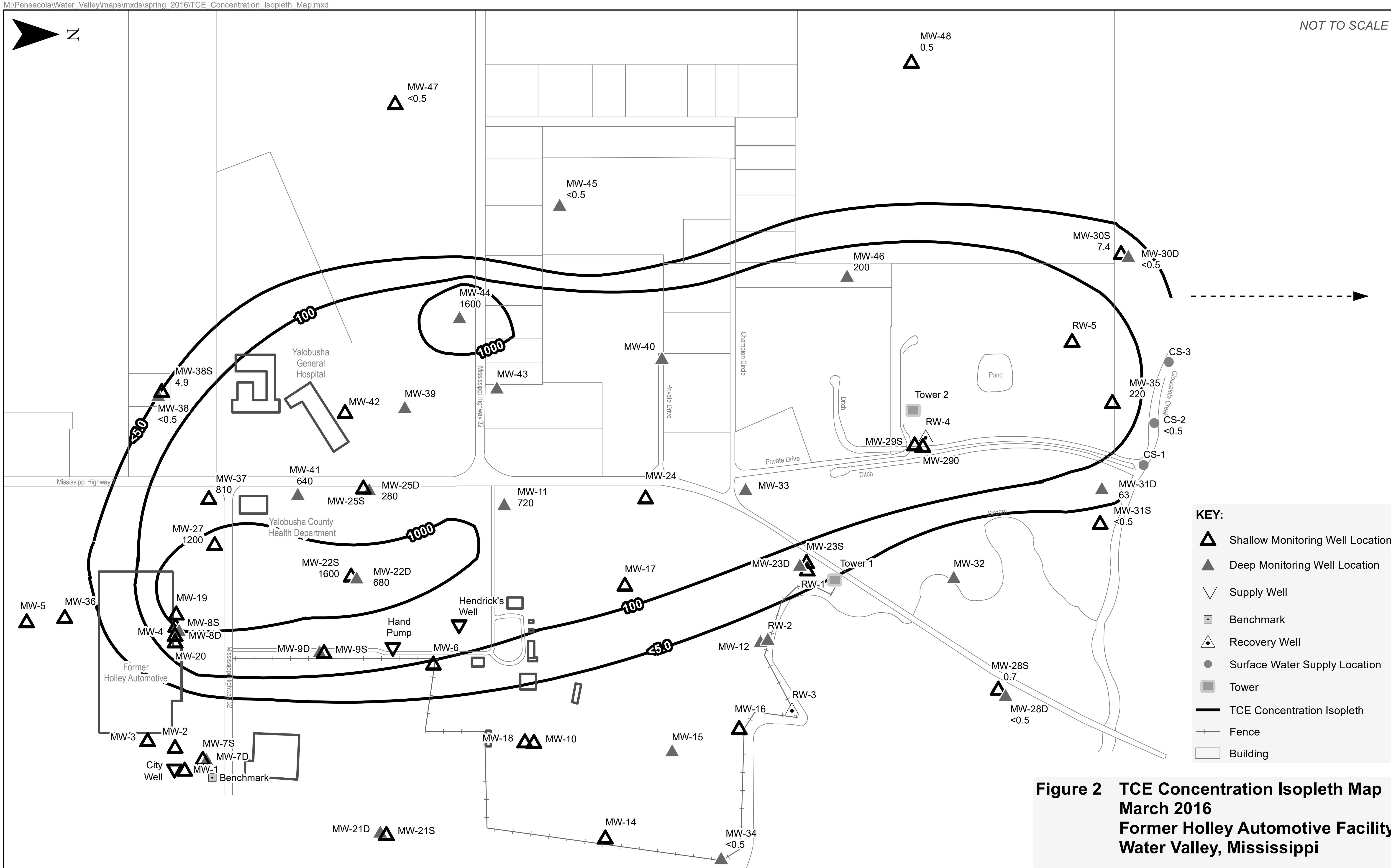
265

KEY:

- Shallow Monitoring Well Location
- Deep Monitoring Well Location
- Supply Well
- Benchmark
- Recovery Well
- Surface Water Supply Location
- Tower
- Groundwater Elevation Isopleth
- Fence
- Building

Figure 1 Potentiometric Surface Map
March 2016
Former Holley Automotive Facility
Water Valley, Mississippi

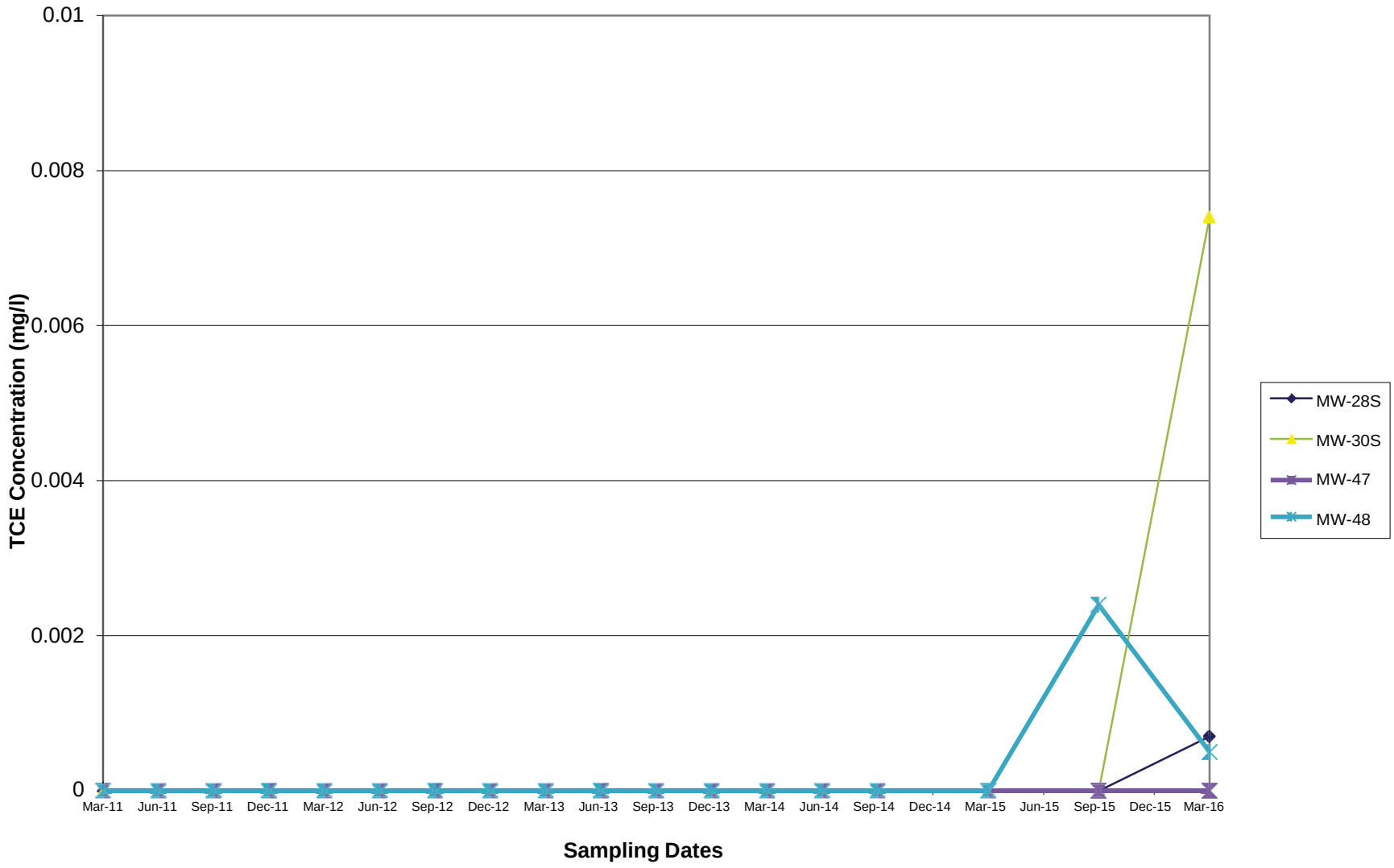
M:\Pensacola\Water_Valley\maps\mxds\spring_2016\TCE_Concentration_Isopleth_Map.mxd



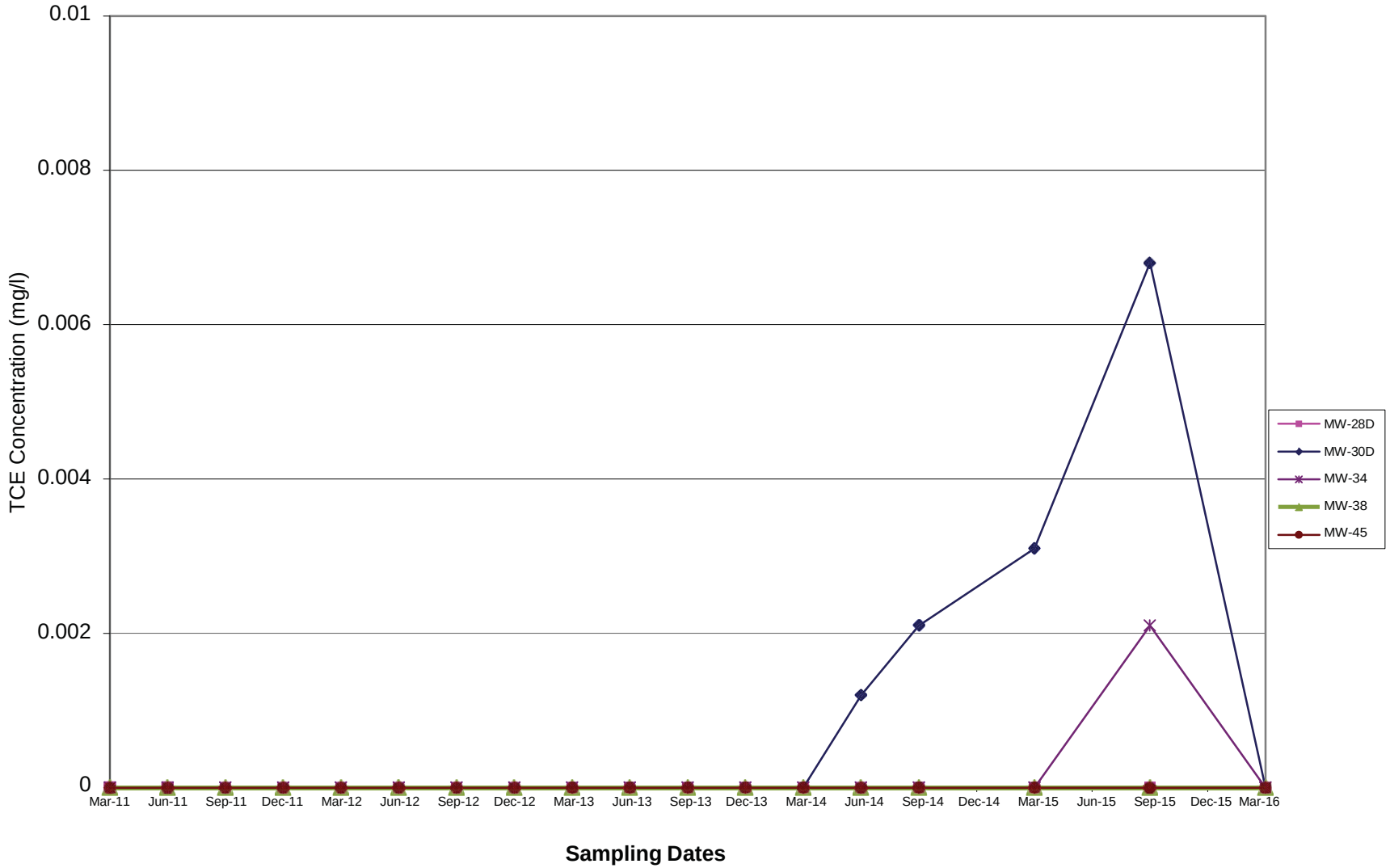
N
NOT TO SCALE
MW-48
0.5
MW-47
<0.5
MW-45
<0.5
MW-46
200
MW-30S
7.4
MW-30D
<0.5
MW-44
1600
1000
100
<5.0
Yalobusha
General
Hospital
MW-38S
4.9
MW-38
<0.5
MW-42
MW-39
MW-43
MW-40
RW-5
CS-3
Pond
Tower 2
RW-4
MW-35
220
CS-2
<0.5
MW-29S
MW-290
CS-1
Private Drive
Ditch
Champion Circle
Mississippi Highway 32
Mississippi Highway
Obucabia Creek
MW-37
810
MW-41
640
MW-25D
280
MW-25S
MW-11
720
MW-24
MW-33
MW-31D
63
MW-31S
<0.5
Stream
Yalobusha County
Health Department
MW-27
1200
MW-22S
1600
MW-22D
680
MW-23S
MW-23D
Tower 1
RW-1
MW-17
MW-32
MW-5
MW-36
MW-19
MW-8S
MW-8D
MW-4
MW-20
Hendrick's
Well
Hand
Pump
MW-9D
MW-9S
MW-6
RW-2
MW-12
MW-28S
0.7
MW-28D
<0.5
Former
Holley Automotive
RW-3
MW-16
MW-3
MW-2
MW-7S
MW-7D
City
Well
MW-1
Benchmark
MW-18
MW-10
MW-15
MW-14
MW-21D
MW-21S
MW-34
<0.5
KEY:
Shallow Monitoring Well Location
Deep Monitoring Well Location
Supply Well
Benchmark
Recovery Well
Surface Water Supply Location
Tower
TCE Concentration Isopleth
Fence
Building

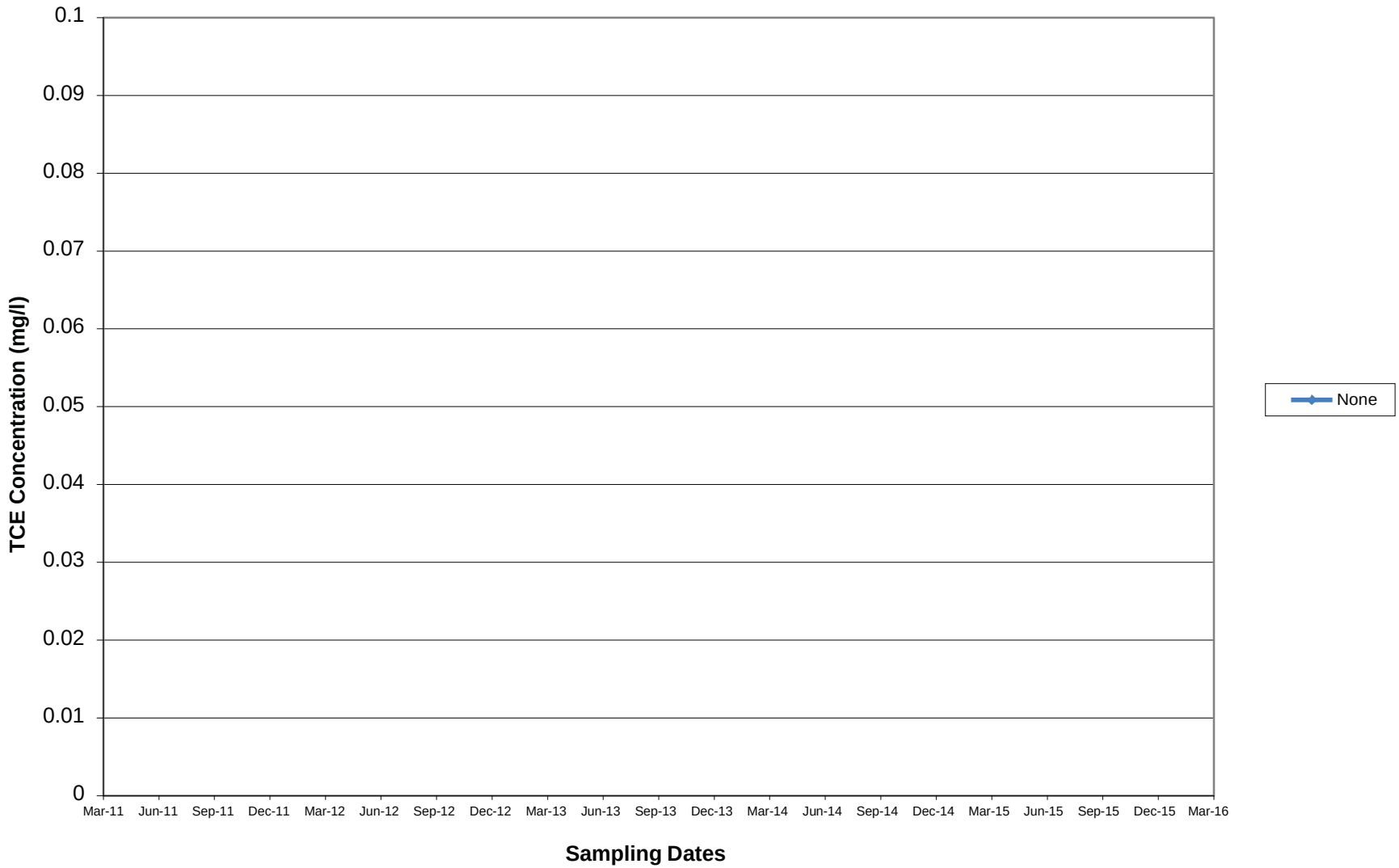
Figure 2 TCE Concentration Isopleth Map March 2016 Former Holley Automotive Facility Water Valley, Mississippi

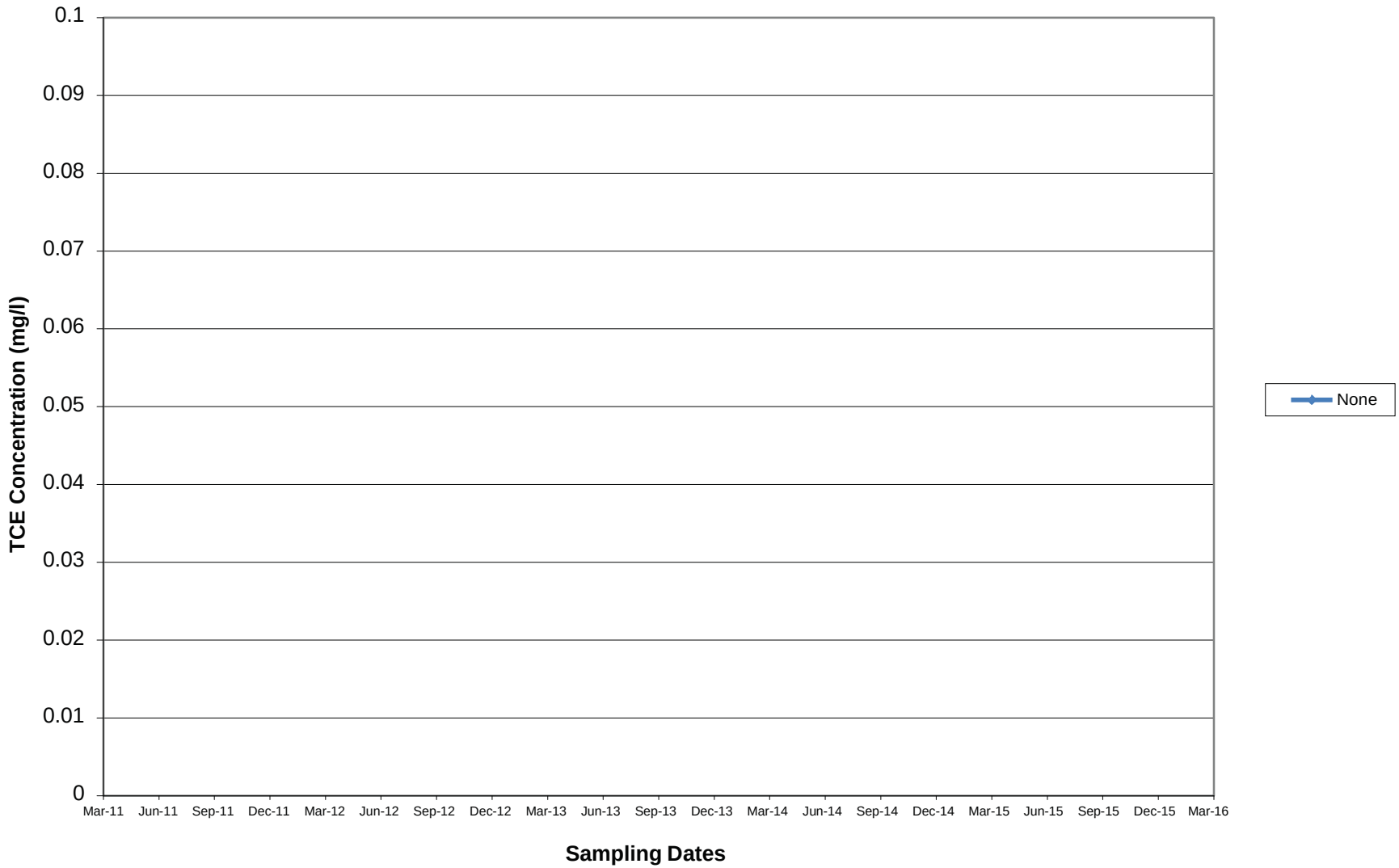
ATTACHMENT A

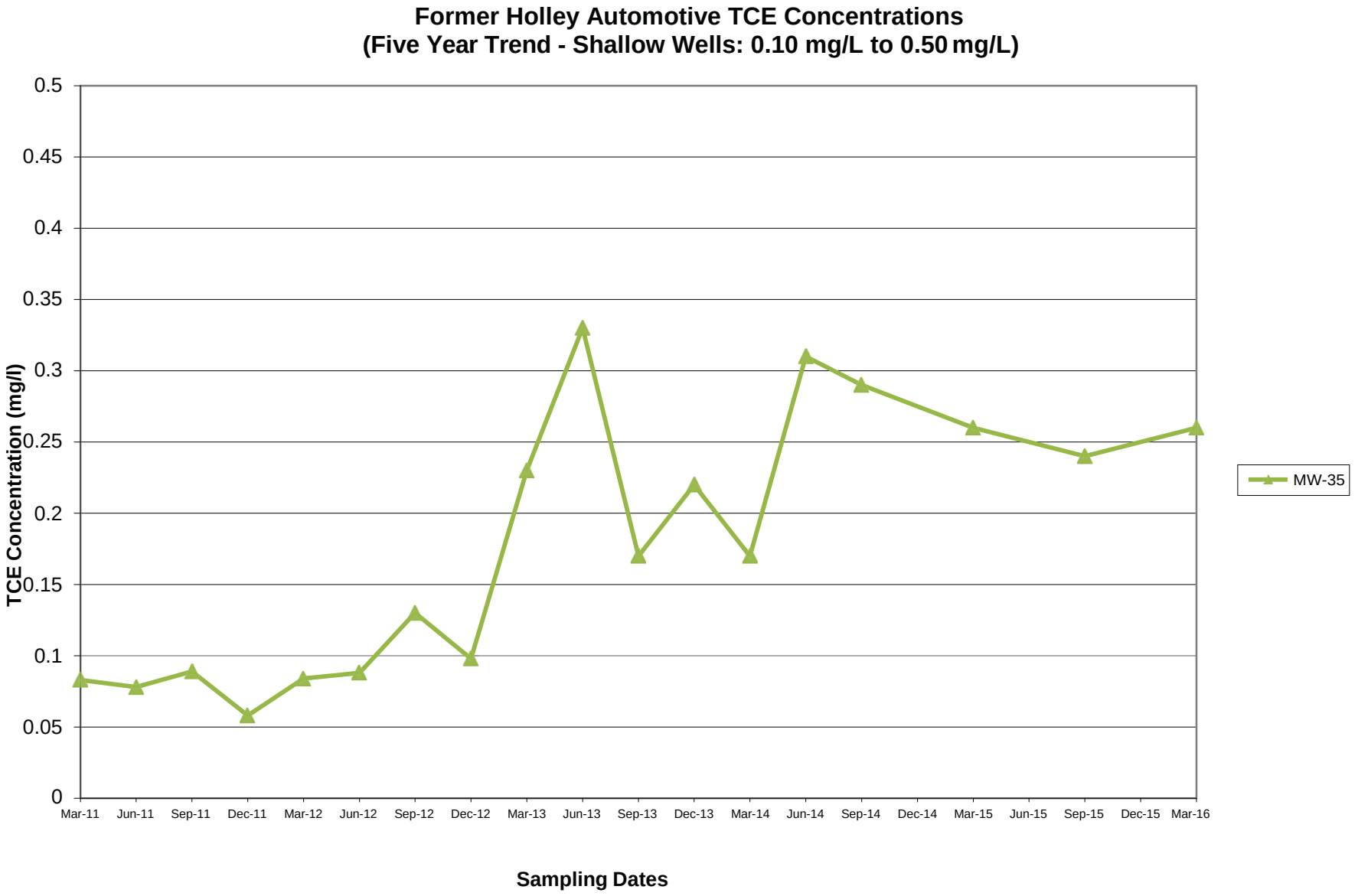

Former Holley Automotive TCE Concentrations
(Five Year Trend - Shallow Wells: Non-Detect to 0.01 mg/L)
TCE Concentration (mg/l)
0.01
0.008
0.006
0.004
0.002
0
Mar-11
Jun-11
Sep-11
Dec-11
Mar-12
Jun-12
Sep-12
Dec-12
Mar-13
Jun-13
Sep-13
Dec-13
Mar-14
Jun-14
Sep-14
Dec-14
Mar-15
Jun-15
Sep-15
Dec-15
Mar-16
Sampling Dates
MW-28S
MW-30S
MW-47
MW-48

Former Holley Automotive TCE Concentrations
(Five Year Trend - Deep Wells: Non Detect to 0.01 mg/L)

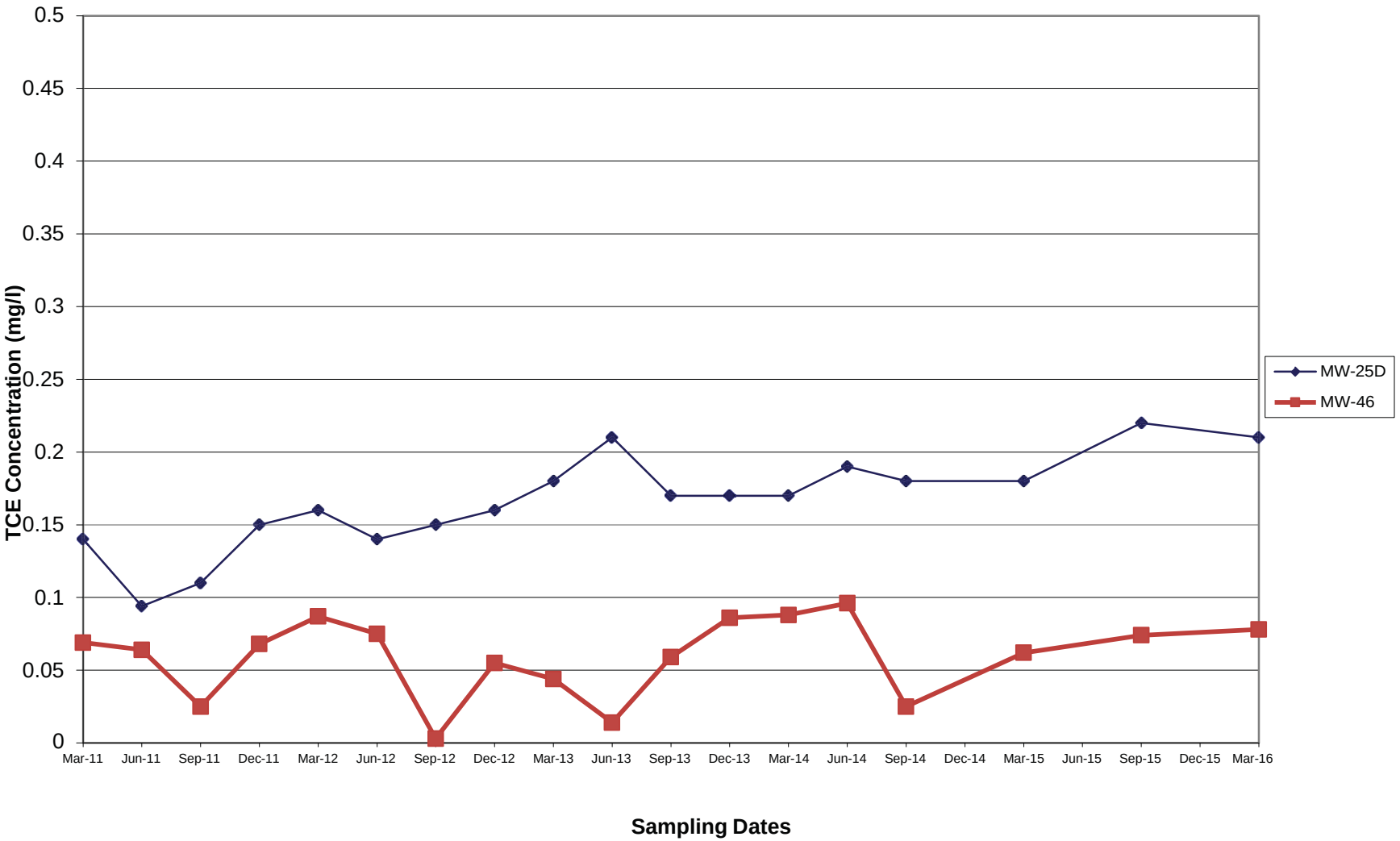


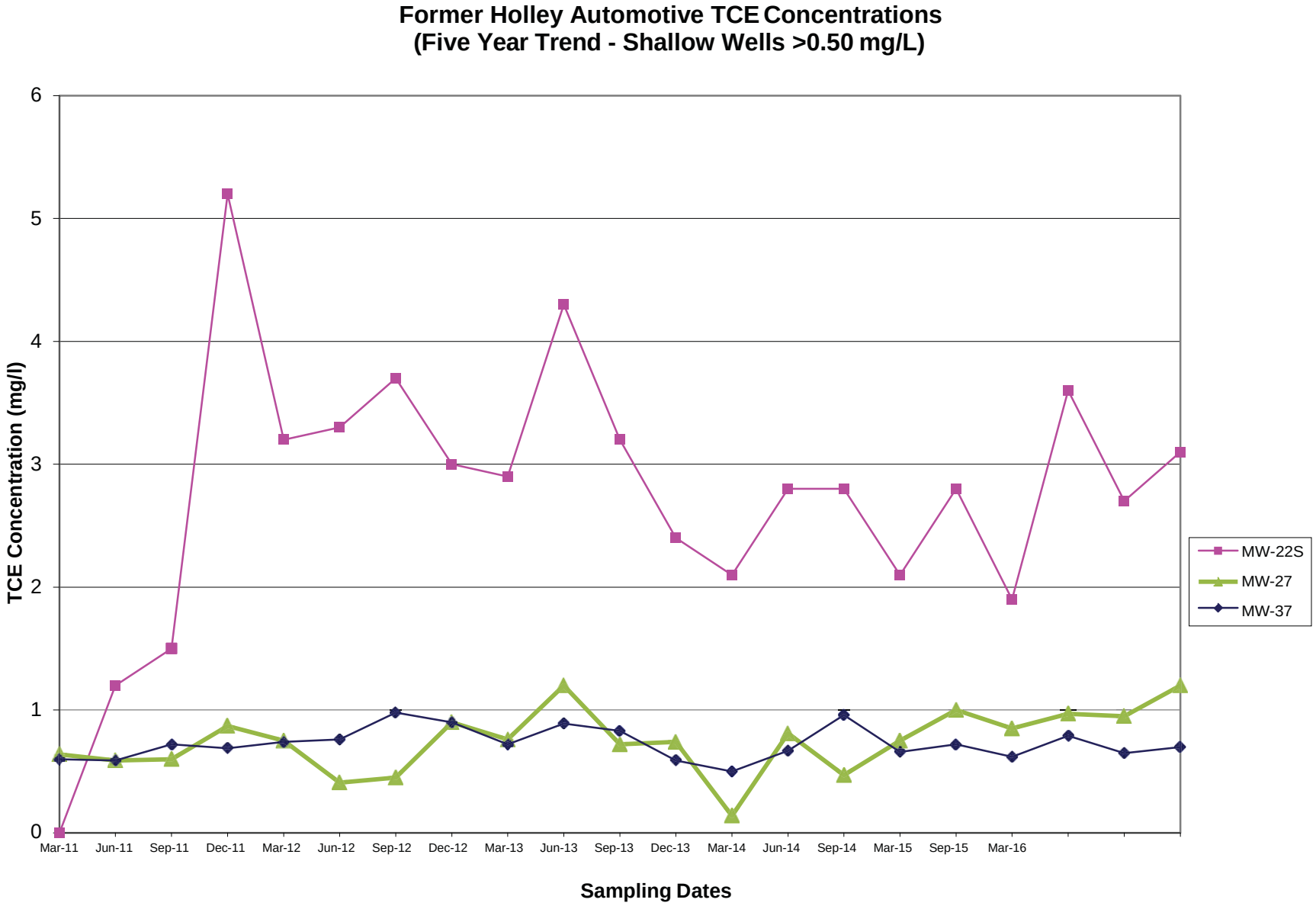

Former Holley Automotive TCE Concentrations
(Five Year Trend - Shallow Wells: 0.01 mg/L to 0.10 mg/L)
TCE Concentration (mg/l)
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
Mar-11
Jun-11
Sep-11
Dec-11
Mar-12
Jun-12
Sep-12
Dec-12
Mar-13
Jun-13
Sep-13
Dec-13
Mar-14
Jun-14
Sep-14
Dec-14
Mar-15
Jun-15
Sep-15
Dec-15
Mar-16
Sampling Dates
None

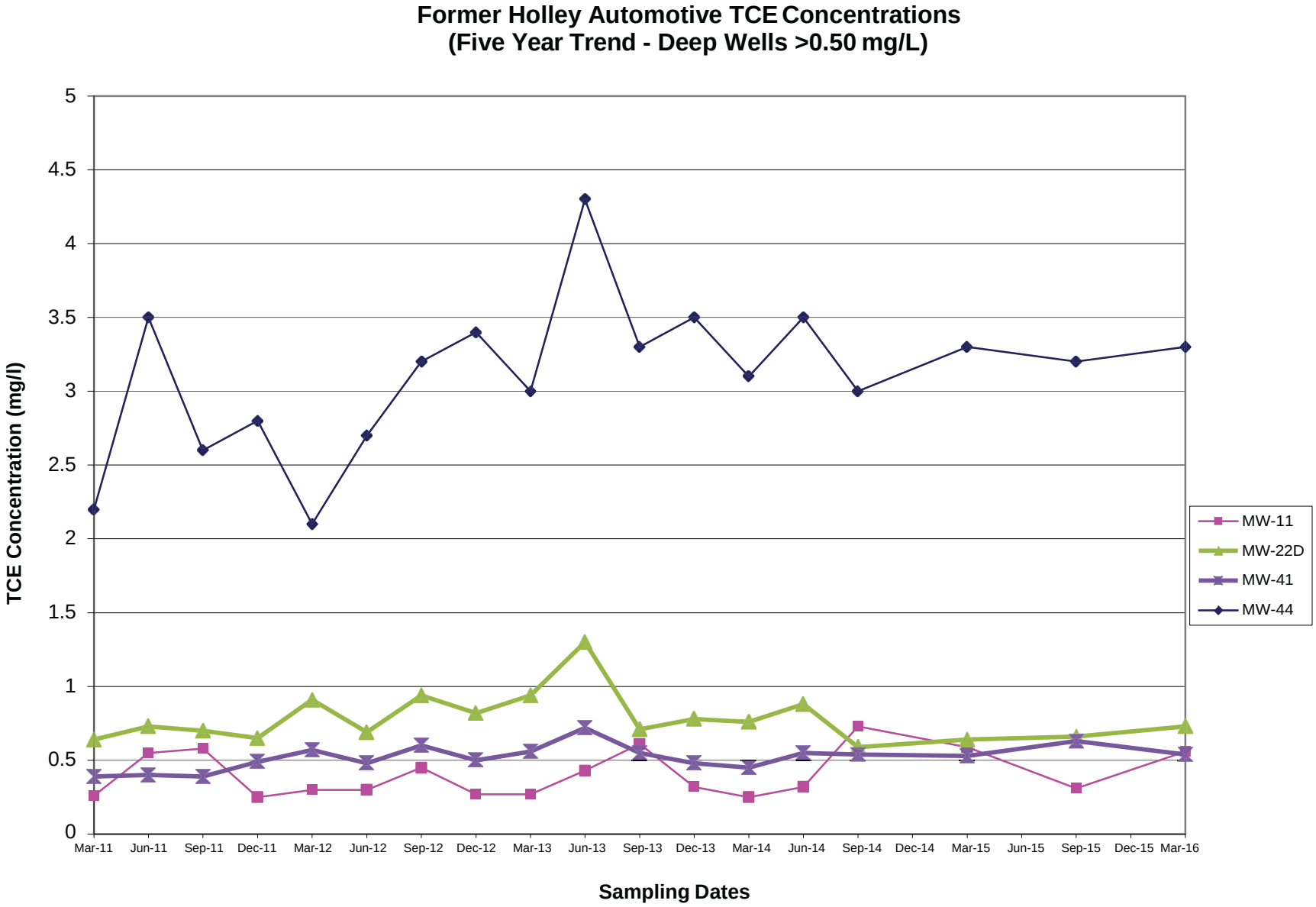

Former Holley Automotive TCE Concentrations
(Five Year Trend - Deep Wells: 0.01 mg/L to 0.10 mg/L)
TCE Concentration (mg/l)
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
Mar-11
Jun-11
Sep-11
Dec-11
Mar-12
Jun-12
Sep-12
Dec-12
Mar-13
Jun-13
Sep-13
Dec-13
Mar-14
Jun-14
Sep-14
Dec-14
Mar-15
Jun-15
Sep-15
Dec-15
Mar-16
Sampling Dates
None


Former Holley Automotive TCE Concentrations
(Five Year Trend - Shallow Wells: 0.10 mg/L to 0.50 mg/L)
TCE Concentration (mg/l)
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
Mar-11
Jun-11
Sep-11
Dec-11
Mar-12
Jun-12
Sep-12
Dec-12
Mar-13
Jun-13
Sep-13
Dec-13
Mar-14
Jun-14
Sep-14
Dec-14
Mar-15
Jun-15
Sep-15
Dec-15
Mar-16
Sampling Dates
MW-35

Former Holley Automotive TCE Concentrations
(Five Year Trend - Deep Wells: 0.10 mg/L to 0.50 mg/L)




Former Holley Automotive TCE Concentrations
(Five Year Trend - Shallow Wells >0.50 mg/L)
TCE Concentration (mg/l)
0
1
2
3
4
5
6
Mar-11
Jun-11
Sep-11
Dec-11
Mar-12
Jun-12
Sep-12
Dec-12
Mar-13
Jun-13
Sep-13
Dec-13
Mar-14
Jun-14
Sep-14
Mar-15
Sep-15
Mar-16
Sampling Dates
MW-22S
MW-27
MW-37


Former Holley Automotive TCE Concentrations
(Five Year Trend - Deep Wells >0.50 mg/L)
TCE Concentration (mg/l)
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
Mar-11
Jun-11
Sep-11
Dec-11
Mar-12
Jun-12
Sep-12
Dec-12
Mar-13
Jun-13
Sep-13
Dec-13
Mar-14
Jun-14
Sep-14
Dec-14
Mar-15
Jun-15
Sep-15
Dec-15
Mar-16
Sampling Dates
MW-11
MW-22D
MW-41
MW-44

ATTACHMENT B

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Tel: (850)474-1001

TestAmerica Job ID: 400-119657-2

Client Project/Site: Water Valley Mississippi, Former Holley

For:
Ecology and Environment, Inc.
700 South Palafox
Suite 100
Pensacola, Florida 32502

Attn: Steven Elliott

Authorized for release by:
4/15/2016 11:11:06 AM

Matt Jones, Project Manager I
(850)878-3994
matt.jones@testamericainc.com

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Surrogate Summary 17
QC Association 18
QC Sample Results 19
Chronicle 23
Method Summary 25
Certification Summary 26
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Case Narrative

Client: Ecology and Environment, Inc.
TestAmerica Job ID: 400-119657-2
Project/Site: Water Valley Mississippi, Former Holley

Job ID: 400-119657-2

Laboratory: TestAmerica Pensacola

Narrative

Job Narrative
400-119657-2

Comments

No additional comments.

Receipt

The samples were received on 4/1/2016 8:49 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.1º C.

GC/MS VOA

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 301080 recovered above the upper control limit for Naphthalene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 301080 recovered outside acceptance criteria, low biased, for Dichlorodifluoromethane and Chloromethane. A reporting limit (RL) standard was analyzed, and the target analytes were detected. Since the associated samples were non-detect for these analytes, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Ecology and Environment, Inc.

TestAmerica Job ID: 400-119657-2

Project/Site: Water Valley Mississippi, Former Holley

Client Sample ID: MW-36 — Lab Sample ID: 400-119657-26

No Detections.

Client Sample ID: MW-7S — Lab Sample ID: 400-119657-27

No Detections.

Client Sample ID: MW-7D — Lab Sample ID: 400-119657-28

No Detections.

Client Sample ID: MW-8D — Lab Sample ID: 400-119657-29

No Detections.

Client Sample ID: MW-8S — Lab Sample ID: 400-119657-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	420		25	13	ug/L	25		8260C	Total/NA
Trichloroethene	2800		25	13	ug/L	25		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Sample Summary

Client: Ecology and Environment, Inc.

TestAmerica Job ID: 400-119657-2

Project/Site: Water Valley Mississippi, Former Holley

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-119657-26	MW-36	Water	03/31/16 12:05	04/01/16 08:49
400-119657-27	MW-7S	Water	03/31/16 13:40	04/01/16 08:49
400-119657-28	MW-7D	Water	03/31/16 14:15	04/01/16 08:49
400-119657-29	MW-8D	Water	03/31/16 15:00	04/01/16 08:49
400-119657-30	MW-8S	Water	03/31/16 15:25	04/01/16 08:49

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-2

Client Sample ID: MW-36
Date Collected: 03/31/16 12:05
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-26
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		25	10	ug/L			04/10/16 16:30	1
Benzene	<0.38		1.0	0.38	ug/L			04/10/16 16:30	1
Bromobenzene	<0.54		1.0	0.54	ug/L			04/10/16 16:30	1
Bromoform	<0.71		5.0	0.71	ug/L			04/10/16 16:30	1
Bromomethane	<0.98		1.0	0.98	ug/L			04/10/16 16:30	1
2-Butanone (MEK)	<2.6		25	2.6	ug/L			04/10/16 16:30	1
Carbon disulfide	<0.50		1.0	0.50	ug/L			04/10/16 16:30	1
Carbon tetrachloride	<0.50		1.0	0.50	ug/L			04/10/16 16:30	1
Chlorobenzene	<0.50		1.0	0.50	ug/L			04/10/16 16:30	1
Chlorobromomethane	<0.52		1.0	0.52	ug/L			04/10/16 16:30	1
Chlorodibromomethane	<0.50		1.0	0.50	ug/L			04/10/16 16:30	1
Chloroethane	<0.76		1.0	0.76	ug/L			04/10/16 16:30	1
Chloroform	<0.60		1.0	0.60	ug/L			04/10/16 16:30	1
Chloromethane	<0.83		1.0	0.83	ug/L			04/10/16 16:30	1
2-Chlorotoluene	<0.57		1.0	0.57	ug/L			04/10/16 16:30	1
4-Chlorotoluene	<0.56		1.0	0.56	ug/L			04/10/16 16:30	1
cis-1,2-Dichloroethene	<0.50		1.0	0.50	ug/L			04/10/16 16:30	1
cis-1,3-Dichloropropene	<0.50		5.0	0.50	ug/L			04/10/16 16:30	1
1,2-Dibromo-3-Chloropropane	<1.5		5.0	1.5	ug/L			04/10/16 16:30	1
Dibromomethane	<0.59		5.0	0.59	ug/L			04/10/16 16:30	1
1,2-Dichlorobenzene	<0.50		1.0	0.50	ug/L			04/10/16 16:30	1
1,3-Dichlorobenzene	<0.54		1.0	0.54	ug/L			04/10/16 16:30	1
1,4-Dichlorobenzene	<0.64		1.0	0.64	ug/L			04/10/16 16:30	1
Dichlorobromomethane	<0.50		1.0	0.50	ug/L			04/10/16 16:30	1
Dichlorodifluoromethane	<0.85		1.0	0.85	ug/L			04/10/16 16:30	1
1,1-Dichloroethane	<0.50		1.0	0.50	ug/L			04/10/16 16:30	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			04/10/16 16:30	1
1,1-Dichloroethene	<0.50		1.0	0.50	ug/L			04/10/16 16:30	1
1,2-Dichloropropane	<0.50		1.0	0.50	ug/L			04/10/16 16:30	1
1,3-Dichloropropane	<0.50		1.0	0.50	ug/L			04/10/16 16:30	1
2,2-Dichloropropane	<0.50		1.0	0.50	ug/L			04/10/16 16:30	1
1,1-Dichloropropene	<0.50		1.0	0.50	ug/L			04/10/16 16:30	1
Ethylbenzene	<0.50		1.0	0.50	ug/L			04/10/16 16:30	1
Ethylene Dibromide	<0.50		1.0	0.50	ug/L			04/10/16 16:30	1
Hexachlorobutadiene	<0.90		5.0	0.90	ug/L			04/10/16 16:30	1
2-Hexanone	<3.1		25	3.1	ug/L			04/10/16 16:30	1
Isopropylbenzene	<0.53		1.0	0.53	ug/L			04/10/16 16:30	1
4-Isopropyltoluene	<0.71		1.0	0.71	ug/L			04/10/16 16:30	1
Methylene Chloride	<3.0		5.0	3.0	ug/L			04/10/16 16:30	1
4-Methyl-2-pentanone (MIBK)	<1.8		25	1.8	ug/L			04/10/16 16:30	1
Methyl tert-butyl ether	<0.74		1.0	0.74	ug/L			04/10/16 16:30	1
m-Xylene & p-Xylene	<1.6		5.0	1.6	ug/L			04/10/16 16:30	1
Naphthalene	<1.0		1.0	1.0	ug/L			04/10/16 16:30	1
n-Butylbenzene	<0.76		1.0	0.76	ug/L			04/10/16 16:30	1
N-Propylbenzene	<0.69		1.0	0.69	ug/L			04/10/16 16:30	1
o-Xylene	<0.60		5.0	0.60	ug/L			04/10/16 16:30	1
sec-Butylbenzene	<0.70		1.0	0.70	ug/L			04/10/16 16:30	1
Styrene	<1.0		1.0	1.0	ug/L			04/10/16 16:30	1
tert-Butylbenzene	<0.63		1.0	0.63	ug/L			04/10/16 16:30	1

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-2

Client Sample ID: MW-36
Date Collected: 03/31/16 12:05
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-26
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.52		1.0	0.52	ug/L			04/10/16 16:30	1
1,1,2,2-Tetrachloroethane	<0.50		1.0	0.50	ug/L			04/10/16 16:30	1
Tetrachloroethene	<0.58		1.0	0.58	ug/L			04/10/16 16:30	1
Toluene	<0.70		1.0	0.70	ug/L			04/10/16 16:30	1
trans-1,2-Dichloroethene	<0.50		1.0	0.50	ug/L			04/10/16 16:30	1
trans-1,3-Dichloropropene	<0.50		5.0	0.50	ug/L			04/10/16 16:30	1
1,2,3-Trichlorobenzene	<0.70		1.0	0.70	ug/L			04/10/16 16:30	1
1,2,4-Trichlorobenzene	<0.82		1.0	0.82	ug/L			04/10/16 16:30	1
1,1,1-Trichloroethane	<0.50		1.0	0.50	ug/L			04/10/16 16:30	1
1,1,2-Trichloroethane	<0.50		5.0	0.50	ug/L			04/10/16 16:30	1
Trichloroethene	<0.50		1.0	0.50	ug/L			04/10/16 16:30	1
Trichlorofluoromethane	<0.52		1.0	0.52	ug/L			04/10/16 16:30	1
1,2,3-Trichloropropane	<0.84		5.0	0.84	ug/L			04/10/16 16:30	1
1,2,4-Trimethylbenzene	<0.82		1.0	0.82	ug/L			04/10/16 16:30	1
1,3,5-Trimethylbenzene	<0.56		1.0	0.56	ug/L			04/10/16 16:30	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			04/10/16 16:30	1
Xylenes, Total	<1.6		10	1.6	ug/L			04/10/16 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*78 - 118*		*04/10/16 16:30*	*1*
Dibromofluoromethane	*101*		*81 - 121*		*04/10/16 16:30*	*1*
Toluene-d8 (Surr)	*113*		*80 - 120*		*04/10/16 16:30*	*1*

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-2

Client Sample ID: MW-7S
Date Collected: 03/31/16 13:40
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-27
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		25	10	ug/L			04/10/16 16:51	1
Benzene	<0.38		1.0	0.38	ug/L			04/10/16 16:51	1
Bromobenzene	<0.54		1.0	0.54	ug/L			04/10/16 16:51	1
Bromoform	<0.71		5.0	0.71	ug/L			04/10/16 16:51	1
Bromomethane	<0.98		1.0	0.98	ug/L			04/10/16 16:51	1
2-Butanone (MEK)	<2.6		25	2.6	ug/L			04/10/16 16:51	1
Carbon disulfide	<0.50		1.0	0.50	ug/L			04/10/16 16:51	1
Carbon tetrachloride	<0.50		1.0	0.50	ug/L			04/10/16 16:51	1
Chlorobenzene	<0.50		1.0	0.50	ug/L			04/10/16 16:51	1
Chlorobromomethane	<0.52		1.0	0.52	ug/L			04/10/16 16:51	1
Chlorodibromomethane	<0.50		1.0	0.50	ug/L			04/10/16 16:51	1
Chloroethane	<0.76		1.0	0.76	ug/L			04/10/16 16:51	1
Chloroform	<0.60		1.0	0.60	ug/L			04/10/16 16:51	1
Chloromethane	<0.83		1.0	0.83	ug/L			04/10/16 16:51	1
2-Chlorotoluene	<0.57		1.0	0.57	ug/L			04/10/16 16:51	1
4-Chlorotoluene	<0.56		1.0	0.56	ug/L			04/10/16 16:51	1
cis-1,2-Dichloroethene	<0.50		1.0	0.50	ug/L			04/10/16 16:51	1
cis-1,3-Dichloropropene	<0.50		5.0	0.50	ug/L			04/10/16 16:51	1
1,2-Dibromo-3-Chloropropane	<1.5		5.0	1.5	ug/L			04/10/16 16:51	1
Dibromomethane	<0.59		5.0	0.59	ug/L			04/10/16 16:51	1
1,2-Dichlorobenzene	<0.50		1.0	0.50	ug/L			04/10/16 16:51	1
1,3-Dichlorobenzene	<0.54		1.0	0.54	ug/L			04/10/16 16:51	1
1,4-Dichlorobenzene	<0.64		1.0	0.64	ug/L			04/10/16 16:51	1
Dichlorobromomethane	<0.50		1.0	0.50	ug/L			04/10/16 16:51	1
Dichlorodifluoromethane	<0.85		1.0	0.85	ug/L			04/10/16 16:51	1
1,1-Dichloroethane	<0.50		1.0	0.50	ug/L			04/10/16 16:51	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			04/10/16 16:51	1
1,1-Dichloroethene	<0.50		1.0	0.50	ug/L			04/10/16 16:51	1
1,2-Dichloropropane	<0.50		1.0	0.50	ug/L			04/10/16 16:51	1
1,3-Dichloropropane	<0.50		1.0	0.50	ug/L			04/10/16 16:51	1
2,2-Dichloropropane	<0.50		1.0	0.50	ug/L			04/10/16 16:51	1
1,1-Dichloropropene	<0.50		1.0	0.50	ug/L			04/10/16 16:51	1
Ethylbenzene	<0.50		1.0	0.50	ug/L			04/10/16 16:51	1
Ethylene Dibromide	<0.50		1.0	0.50	ug/L			04/10/16 16:51	1
Hexachlorobutadiene	<0.90		5.0	0.90	ug/L			04/10/16 16:51	1
2-Hexanone	<3.1		25	3.1	ug/L			04/10/16 16:51	1
Isopropylbenzene	<0.53		1.0	0.53	ug/L			04/10/16 16:51	1
4-Isopropyltoluene	<0.71		1.0	0.71	ug/L			04/10/16 16:51	1
Methylene Chloride	<3.0		5.0	3.0	ug/L			04/10/16 16:51	1
4-Methyl-2-pentanone (MIBK)	<1.8		25	1.8	ug/L			04/10/16 16:51	1
Methyl tert-butyl ether	<0.74		1.0	0.74	ug/L			04/10/16 16:51	1
m-Xylene & p-Xylene	<1.6		5.0	1.6	ug/L			04/10/16 16:51	1
Naphthalene	<1.0		1.0	1.0	ug/L			04/10/16 16:51	1
n-Butylbenzene	<0.76		1.0	0.76	ug/L			04/10/16 16:51	1
N-Propylbenzene	<0.69		1.0	0.69	ug/L			04/10/16 16:51	1
o-Xylene	<0.60		5.0	0.60	ug/L			04/10/16 16:51	1
sec-Butylbenzene	<0.70		1.0	0.70	ug/L			04/10/16 16:51	1
Styrene	<1.0		1.0	1.0	ug/L			04/10/16 16:51	1
tert-Butylbenzene	<0.63		1.0	0.63	ug/L			04/10/16 16:51	1

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-2

Client Sample ID: MW-7S
Date Collected: 03/31/16 13:40
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-27
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.52		1.0	0.52	ug/L			04/10/16 16:51	1
1,1,2,2-Tetrachloroethane	<0.50		1.0	0.50	ug/L			04/10/16 16:51	1
Tetrachloroethene	<0.58		1.0	0.58	ug/L			04/10/16 16:51	1
Toluene	<0.70		1.0	0.70	ug/L			04/10/16 16:51	1
trans-1,2-Dichloroethene	<0.50		1.0	0.50	ug/L			04/10/16 16:51	1
trans-1,3-Dichloropropene	<0.50		5.0	0.50	ug/L			04/10/16 16:51	1
1,2,3-Trichlorobenzene	<0.70		1.0	0.70	ug/L			04/10/16 16:51	1
1,2,4-Trichlorobenzene	<0.82		1.0	0.82	ug/L			04/10/16 16:51	1
1,1,1-Trichloroethane	<0.50		1.0	0.50	ug/L			04/10/16 16:51	1
1,1,2-Trichloroethane	<0.50		5.0	0.50	ug/L			04/10/16 16:51	1
Trichloroethene	<0.50		1.0	0.50	ug/L			04/10/16 16:51	1
Trichlorofluoromethane	<0.52		1.0	0.52	ug/L			04/10/16 16:51	1
1,2,3-Trichloropropane	<0.84		5.0	0.84	ug/L			04/10/16 16:51	1
1,2,4-Trimethylbenzene	<0.82		1.0	0.82	ug/L			04/10/16 16:51	1
1,3,5-Trimethylbenzene	<0.56		1.0	0.56	ug/L			04/10/16 16:51	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			04/10/16 16:51	1
Xylenes, Total	<1.6		10	1.6	ug/L			04/10/16 16:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*78 - 118*		*04/10/16 16:51*	*1*
Dibromofluoromethane	*101*		*81 - 121*		*04/10/16 16:51*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*04/10/16 16:51*	*1*

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-2

Client Sample ID: MW-7D
Date Collected: 03/31/16 14:15
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-28
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		25	10	ug/L			04/10/16 17:11	1
Benzene	<0.38		1.0	0.38	ug/L			04/10/16 17:11	1
Bromobenzene	<0.54		1.0	0.54	ug/L			04/10/16 17:11	1
Bromoform	<0.71		5.0	0.71	ug/L			04/10/16 17:11	1
Bromomethane	<0.98		1.0	0.98	ug/L			04/10/16 17:11	1
2-Butanone (MEK)	<2.6		25	2.6	ug/L			04/10/16 17:11	1
Carbon disulfide	<0.50		1.0	0.50	ug/L			04/10/16 17:11	1
Carbon tetrachloride	<0.50		1.0	0.50	ug/L			04/10/16 17:11	1
Chlorobenzene	<0.50		1.0	0.50	ug/L			04/10/16 17:11	1
Chlorobromomethane	<0.52		1.0	0.52	ug/L			04/10/16 17:11	1
Chlorodibromomethane	<0.50		1.0	0.50	ug/L			04/10/16 17:11	1
Chloroethane	<0.76		1.0	0.76	ug/L			04/10/16 17:11	1
Chloroform	<0.60		1.0	0.60	ug/L			04/10/16 17:11	1
Chloromethane	<0.83		1.0	0.83	ug/L			04/10/16 17:11	1
2-Chlorotoluene	<0.57		1.0	0.57	ug/L			04/10/16 17:11	1
4-Chlorotoluene	<0.56		1.0	0.56	ug/L			04/10/16 17:11	1
cis-1,2-Dichloroethene	<0.50		1.0	0.50	ug/L			04/10/16 17:11	1
cis-1,3-Dichloropropene	<0.50		5.0	0.50	ug/L			04/10/16 17:11	1
1,2-Dibromo-3-Chloropropane	<1.5		5.0	1.5	ug/L			04/10/16 17:11	1
Dibromomethane	<0.59		5.0	0.59	ug/L			04/10/16 17:11	1
1,2-Dichlorobenzene	<0.50		1.0	0.50	ug/L			04/10/16 17:11	1
1,3-Dichlorobenzene	<0.54		1.0	0.54	ug/L			04/10/16 17:11	1
1,4-Dichlorobenzene	<0.64		1.0	0.64	ug/L			04/10/16 17:11	1
Dichlorobromomethane	<0.50		1.0	0.50	ug/L			04/10/16 17:11	1
Dichlorodifluoromethane	<0.85		1.0	0.85	ug/L			04/10/16 17:11	1
1,1-Dichloroethane	<0.50		1.0	0.50	ug/L			04/10/16 17:11	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			04/10/16 17:11	1
1,1-Dichloroethene	<0.50		1.0	0.50	ug/L			04/10/16 17:11	1
1,2-Dichloropropane	<0.50		1.0	0.50	ug/L			04/10/16 17:11	1
1,3-Dichloropropane	<0.50		1.0	0.50	ug/L			04/10/16 17:11	1
2,2-Dichloropropane	<0.50		1.0	0.50	ug/L			04/10/16 17:11	1
1,1-Dichloropropene	<0.50		1.0	0.50	ug/L			04/10/16 17:11	1
Ethylbenzene	<0.50		1.0	0.50	ug/L			04/10/16 17:11	1
Ethylene Dibromide	<0.50		1.0	0.50	ug/L			04/10/16 17:11	1
Hexachlorobutadiene	<0.90		5.0	0.90	ug/L			04/10/16 17:11	1
2-Hexanone	<3.1		25	3.1	ug/L			04/10/16 17:11	1
Isopropylbenzene	<0.53		1.0	0.53	ug/L			04/10/16 17:11	1
4-Isopropyltoluene	<0.71		1.0	0.71	ug/L			04/10/16 17:11	1
Methylene Chloride	<3.0		5.0	3.0	ug/L			04/10/16 17:11	1
4-Methyl-2-pentanone (MIBK)	<1.8		25	1.8	ug/L			04/10/16 17:11	1
Methyl tert-butyl ether	<0.74		1.0	0.74	ug/L			04/10/16 17:11	1
m-Xylene & p-Xylene	<1.6		5.0	1.6	ug/L			04/10/16 17:11	1
Naphthalene	<1.0		1.0	1.0	ug/L			04/10/16 17:11	1
n-Butylbenzene	<0.76		1.0	0.76	ug/L			04/10/16 17:11	1
N-Propylbenzene	<0.69		1.0	0.69	ug/L			04/10/16 17:11	1
o-Xylene	<0.60		5.0	0.60	ug/L			04/10/16 17:11	1
sec-Butylbenzene	<0.70		1.0	0.70	ug/L			04/10/16 17:11	1
Styrene	<1.0		1.0	1.0	ug/L			04/10/16 17:11	1
tert-Butylbenzene	<0.63		1.0	0.63	ug/L			04/10/16 17:11	1

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-2

Client Sample ID: MW-7D
Date Collected: 03/31/16 14:15
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-28
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.52		1.0	0.52	ug/L			04/10/16 17:11	1
1,1,2,2-Tetrachloroethane	<0.50		1.0	0.50	ug/L			04/10/16 17:11	1
Tetrachloroethene	<0.58		1.0	0.58	ug/L			04/10/16 17:11	1
Toluene	<0.70		1.0	0.70	ug/L			04/10/16 17:11	1
trans-1,2-Dichloroethene	<0.50		1.0	0.50	ug/L			04/10/16 17:11	1
trans-1,3-Dichloropropene	<0.50		5.0	0.50	ug/L			04/10/16 17:11	1
1,2,3-Trichlorobenzene	<0.70		1.0	0.70	ug/L			04/10/16 17:11	1
1,2,4-Trichlorobenzene	<0.82		1.0	0.82	ug/L			04/10/16 17:11	1
1,1,1-Trichloroethane	<0.50		1.0	0.50	ug/L			04/10/16 17:11	1
1,1,2-Trichloroethane	<0.50		5.0	0.50	ug/L			04/10/16 17:11	1
Trichloroethene	<0.50		1.0	0.50	ug/L			04/10/16 17:11	1
Trichlorofluoromethane	<0.52		1.0	0.52	ug/L			04/10/16 17:11	1
1,2,3-Trichloropropane	<0.84		5.0	0.84	ug/L			04/10/16 17:11	1
1,2,4-Trimethylbenzene	<0.82		1.0	0.82	ug/L			04/10/16 17:11	1
1,3,5-Trimethylbenzene	<0.56		1.0	0.56	ug/L			04/10/16 17:11	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			04/10/16 17:11	1
Xylenes, Total	<1.6		10	1.6	ug/L			04/10/16 17:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*78 - 118*		*04/10/16 17:11*	*1*
Dibromofluoromethane	*104*		*81 - 121*		*04/10/16 17:11*	*1*
Toluene-d8 (Surr)	*111*		*80 - 120*		*04/10/16 17:11*	*1*

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-2

Client Sample ID: MW-8D
Date Collected: 03/31/16 15:00
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-29
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		25	10	ug/L			04/10/16 17:31	1
Benzene	<0.38		1.0	0.38	ug/L			04/10/16 17:31	1
Bromobenzene	<0.54		1.0	0.54	ug/L			04/10/16 17:31	1
Bromoform	<0.71		5.0	0.71	ug/L			04/10/16 17:31	1
Bromomethane	<0.98		1.0	0.98	ug/L			04/10/16 17:31	1
2-Butanone (MEK)	<2.6		25	2.6	ug/L			04/10/16 17:31	1
Carbon disulfide	<0.50		1.0	0.50	ug/L			04/10/16 17:31	1
Carbon tetrachloride	<0.50		1.0	0.50	ug/L			04/10/16 17:31	1
Chlorobenzene	<0.50		1.0	0.50	ug/L			04/10/16 17:31	1
Chlorobromomethane	<0.52		1.0	0.52	ug/L			04/10/16 17:31	1
Chlorodibromomethane	<0.50		1.0	0.50	ug/L			04/10/16 17:31	1
Chloroethane	<0.76		1.0	0.76	ug/L			04/10/16 17:31	1
Chloroform	<0.60		1.0	0.60	ug/L			04/10/16 17:31	1
Chloromethane	<0.83		1.0	0.83	ug/L			04/10/16 17:31	1
2-Chlorotoluene	<0.57		1.0	0.57	ug/L			04/10/16 17:31	1
4-Chlorotoluene	<0.56		1.0	0.56	ug/L			04/10/16 17:31	1
cis-1,2-Dichloroethene	<0.50		1.0	0.50	ug/L			04/10/16 17:31	1
cis-1,3-Dichloropropene	<0.50		5.0	0.50	ug/L			04/10/16 17:31	1
1,2-Dibromo-3-Chloropropane	<1.5		5.0	1.5	ug/L			04/10/16 17:31	1
Dibromomethane	<0.59		5.0	0.59	ug/L			04/10/16 17:31	1
1,2-Dichlorobenzene	<0.50		1.0	0.50	ug/L			04/10/16 17:31	1
1,3-Dichlorobenzene	<0.54		1.0	0.54	ug/L			04/10/16 17:31	1
1,4-Dichlorobenzene	<0.64		1.0	0.64	ug/L			04/10/16 17:31	1
Dichlorobromomethane	<0.50		1.0	0.50	ug/L			04/10/16 17:31	1
Dichlorodifluoromethane	<0.85		1.0	0.85	ug/L			04/10/16 17:31	1
1,1-Dichloroethane	<0.50		1.0	0.50	ug/L			04/10/16 17:31	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			04/10/16 17:31	1
1,1-Dichloroethene	<0.50		1.0	0.50	ug/L			04/10/16 17:31	1
1,2-Dichloropropane	<0.50		1.0	0.50	ug/L			04/10/16 17:31	1
1,3-Dichloropropane	<0.50		1.0	0.50	ug/L			04/10/16 17:31	1
2,2-Dichloropropane	<0.50		1.0	0.50	ug/L			04/10/16 17:31	1
1,1-Dichloropropene	<0.50		1.0	0.50	ug/L			04/10/16 17:31	1
Ethylbenzene	<0.50		1.0	0.50	ug/L			04/10/16 17:31	1
Ethylene Dibromide	<0.50		1.0	0.50	ug/L			04/10/16 17:31	1
Hexachlorobutadiene	<0.90		5.0	0.90	ug/L			04/10/16 17:31	1
2-Hexanone	<3.1		25	3.1	ug/L			04/10/16 17:31	1
Isopropylbenzene	<0.53		1.0	0.53	ug/L			04/10/16 17:31	1
4-Isopropyltoluene	<0.71		1.0	0.71	ug/L			04/10/16 17:31	1
Methylene Chloride	<3.0		5.0	3.0	ug/L			04/10/16 17:31	1
4-Methyl-2-pentanone (MIBK)	<1.8		25	1.8	ug/L			04/10/16 17:31	1
Methyl tert-butyl ether	<0.74		1.0	0.74	ug/L			04/10/16 17:31	1
m-Xylene & p-Xylene	<1.6		5.0	1.6	ug/L			04/10/16 17:31	1
Naphthalene	<1.0		1.0	1.0	ug/L			04/10/16 17:31	1
n-Butylbenzene	<0.76		1.0	0.76	ug/L			04/10/16 17:31	1
N-Propylbenzene	<0.69		1.0	0.69	ug/L			04/10/16 17:31	1
o-Xylene	<0.60		5.0	0.60	ug/L			04/10/16 17:31	1
sec-Butylbenzene	<0.70		1.0	0.70	ug/L			04/10/16 17:31	1
Styrene	<1.0		1.0	1.0	ug/L			04/10/16 17:31	1
tert-Butylbenzene	<0.63		1.0	0.63	ug/L			04/10/16 17:31	1

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-2

Client Sample ID: MW-8D
Date Collected: 03/31/16 15:00
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-29
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.52		1.0	0.52	ug/L			04/10/16 17:31	1
1,1,2,2-Tetrachloroethane	<0.50		1.0	0.50	ug/L			04/10/16 17:31	1
Tetrachloroethene	<0.58		1.0	0.58	ug/L			04/10/16 17:31	1
Toluene	<0.70		1.0	0.70	ug/L			04/10/16 17:31	1
trans-1,2-Dichloroethene	<0.50		1.0	0.50	ug/L			04/10/16 17:31	1
trans-1,3-Dichloropropene	<0.50		5.0	0.50	ug/L			04/10/16 17:31	1
1,2,3-Trichlorobenzene	<0.70		1.0	0.70	ug/L			04/10/16 17:31	1
1,2,4-Trichlorobenzene	<0.82		1.0	0.82	ug/L			04/10/16 17:31	1
1,1,1-Trichloroethane	<0.50		1.0	0.50	ug/L			04/10/16 17:31	1
1,1,2-Trichloroethane	<0.50		5.0	0.50	ug/L			04/10/16 17:31	1
Trichloroethene	<0.50		1.0	0.50	ug/L			04/10/16 17:31	1
Trichlorofluoromethane	<0.52		1.0	0.52	ug/L			04/10/16 17:31	1
1,2,3-Trichloropropane	<0.84		5.0	0.84	ug/L			04/10/16 17:31	1
1,2,4-Trimethylbenzene	<0.82		1.0	0.82	ug/L			04/10/16 17:31	1
1,3,5-Trimethylbenzene	<0.56		1.0	0.56	ug/L			04/10/16 17:31	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			04/10/16 17:31	1
Xylenes, Total	<1.6		10	1.6	ug/L			04/10/16 17:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*78 - 118*		*04/10/16 17:31*	*1*
Dibromofluoromethane	*102*		*81 - 121*		*04/10/16 17:31*	*1*
Toluene-d8 (Surr)	*111*		*80 - 120*		*04/10/16 17:31*	*1*

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-2

Client Sample ID: MW-8S
Date Collected: 03/31/16 15:25
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-30
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<250		630	250	ug/L			04/10/16 20:55	25
Benzene	<9.5		25	9.5	ug/L			04/10/16 20:55	25
Bromobenzene	<14		25	14	ug/L			04/10/16 20:55	25
Bromoform	<18		130	18	ug/L			04/10/16 20:55	25
Bromomethane	<25		25	25	ug/L			04/10/16 20:55	25
2-Butanone (MEK)	<65		630	65	ug/L			04/10/16 20:55	25
Carbon disulfide	<13		25	13	ug/L			04/10/16 20:55	25
Carbon tetrachloride	<13		25	13	ug/L			04/10/16 20:55	25
Chlorobenzene	<13		25	13	ug/L			04/10/16 20:55	25
Chlorobromomethane	<13		25	13	ug/L			04/10/16 20:55	25
Chlorodibromomethane	<13		25	13	ug/L			04/10/16 20:55	25
Chloroethane	<19		25	19	ug/L			04/10/16 20:55	25
Chloroform	<15		25	15	ug/L			04/10/16 20:55	25
Chloromethane	<21		25	21	ug/L			04/10/16 20:55	25
2-Chlorotoluene	<14		25	14	ug/L			04/10/16 20:55	25
4-Chlorotoluene	<14		25	14	ug/L			04/10/16 20:55	25
cis-1,2-Dichloroethene	**420**		25	13	ug/L			04/10/16 20:55	25
cis-1,3-Dichloropropene	<13		130	13	ug/L			04/10/16 20:55	25
1,2-Dibromo-3-Chloropropane	<38		130	38	ug/L			04/10/16 20:55	25
Dibromomethane	<15		130	15	ug/L			04/10/16 20:55	25
1,2-Dichlorobenzene	<13		25	13	ug/L			04/10/16 20:55	25
1,3-Dichlorobenzene	<14		25	14	ug/L			04/10/16 20:55	25
1,4-Dichlorobenzene	<16		25	16	ug/L			04/10/16 20:55	25
Dichlorobromomethane	<13		25	13	ug/L			04/10/16 20:55	25
Dichlorodifluoromethane	<21		25	21	ug/L			04/10/16 20:55	25
1,1-Dichloroethane	<13		25	13	ug/L			04/10/16 20:55	25
1,2-Dichloroethane	<13		25	13	ug/L			04/10/16 20:55	25
1,1-Dichloroethene	<13		25	13	ug/L			04/10/16 20:55	25
1,2-Dichloropropane	<13		25	13	ug/L			04/10/16 20:55	25
1,3-Dichloropropane	<13		25	13	ug/L			04/10/16 20:55	25
2,2-Dichloropropane	<13		25	13	ug/L			04/10/16 20:55	25
1,1-Dichloropropene	<13		25	13	ug/L			04/10/16 20:55	25
Ethylbenzene	<13		25	13	ug/L			04/10/16 20:55	25
Ethylene Dibromide	<13		25	13	ug/L			04/10/16 20:55	25
Hexachlorobutadiene	<23		130	23	ug/L			04/10/16 20:55	25
2-Hexanone	<78		630	78	ug/L			04/10/16 20:55	25
Isopropylbenzene	<13		25	13	ug/L			04/10/16 20:55	25
4-Isopropyltoluene	<18		25	18	ug/L			04/10/16 20:55	25
Methylene Chloride	<75		130	75	ug/L			04/10/16 20:55	25
4-Methyl-2-pentanone (MIBK)	<45		630	45	ug/L			04/10/16 20:55	25
Methyl tert-butyl ether	<19		25	19	ug/L			04/10/16 20:55	25
m-Xylene & p-Xylene	<40		130	40	ug/L			04/10/16 20:55	25
Naphthalene	<25		25	25	ug/L			04/10/16 20:55	25
n-Butylbenzene	<19		25	19	ug/L			04/10/16 20:55	25
N-Propylbenzene	<17		25	17	ug/L			04/10/16 20:55	25
o-Xylene	<15		130	15	ug/L			04/10/16 20:55	25
sec-Butylbenzene	<18		25	18	ug/L			04/10/16 20:55	25
Styrene	<25		25	25	ug/L			04/10/16 20:55	25
tert-Butylbenzene	<16		25	16	ug/L			04/10/16 20:55	25

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-2

Client Sample ID: MW-8S
Date Collected: 03/31/16 15:25
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-30
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<13		25	13	ug/L			04/10/16 20:55	25
1,1,2,2-Tetrachloroethane	<13		25	13	ug/L			04/10/16 20:55	25
Tetrachloroethene	<15		25	15	ug/L			04/10/16 20:55	25
Toluene	<18		25	18	ug/L			04/10/16 20:55	25
trans-1,2-Dichloroethene	<13		25	13	ug/L			04/10/16 20:55	25
trans-1,3-Dichloropropene	<13		130	13	ug/L			04/10/16 20:55	25
1,2,3-Trichlorobenzene	<18		25	18	ug/L			04/10/16 20:55	25
1,2,4-Trichlorobenzene	<21		25	21	ug/L			04/10/16 20:55	25
1,1,1-Trichloroethane	<13		25	13	ug/L			04/10/16 20:55	25
1,1,2-Trichloroethane	<13		130	13	ug/L			04/10/16 20:55	25
Trichloroethene	**2800**		25	13	ug/L			04/10/16 20:55	25
Trichlorofluoromethane	<13		25	13	ug/L			04/10/16 20:55	25
1,2,3-Trichloropropane	<21		130	21	ug/L			04/10/16 20:55	25
1,2,4-Trimethylbenzene	<21		25	21	ug/L			04/10/16 20:55	25
1,3,5-Trimethylbenzene	<14		25	14	ug/L			04/10/16 20:55	25
Vinyl chloride	<13		25	13	ug/L			04/10/16 20:55	25
Xylenes, Total	<40		250	40	ug/L			04/10/16 20:55	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*78 - 118*		*04/10/16 20:55*	*25*
Dibromofluoromethane	*105*		*81 - 121*		*04/10/16 20:55*	*25*
Toluene-d8 (Surr)	*107*		*80 - 120*		*04/10/16 20:55*	*25*

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Surrogate Summary

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-2

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)								
		BFB	DBFM	TOL						
Lab Sample ID	Client Sample ID	(78-118)	(81-121)	(80-120)						
400-119657-26	MW-36	101	101	113						
400-119657-27	MW-7S	103	101	108						
400-119657-28	MW-7D	105	104	111						
400-119657-29	MW-8D	103	102	111						
400-119657-30	MW-8S	105	105	107						
LCS 400-301080/1002	Lab Control Sample	103	104	105						
MB 400-301080/27	Method Blank	106	103	109						

Surrogate Legend

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane

TOL = Toluene-d8 (Surr)

QC Association Summary

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-2

GC/MS VOA

Analysis Batch: 301080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-119657-26	MW-36	Total/NA	Water	8260C	
400-119657-27	MW-7S	Total/NA	Water	8260C	
400-119657-28	MW-7D	Total/NA	Water	8260C	
400-119657-29	MW-8D	Total/NA	Water	8260C	
400-119657-30	MW-8S	Total/NA	Water	8260C	
LCS 400-301080/1002	Lab Control Sample	Total/NA	Water	8260C	
MB 400-301080/27	Method Blank	Total/NA	Water	8260C	

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-2

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-301080/27
Matrix: Water
Analysis Batch: 301080

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		25	10	ug/L			04/10/16 13:45	1
Benzene	<0.38		1.0	0.38	ug/L			04/10/16 13:45	1
Bromobenzene	<0.54		1.0	0.54	ug/L			04/10/16 13:45	1
Bromoform	<0.71		5.0	0.71	ug/L			04/10/16 13:45	1
Bromomethane	<0.98		1.0	0.98	ug/L			04/10/16 13:45	1
2-Butanone (MEK)	<2.6		25	2.6	ug/L			04/10/16 13:45	1
Carbon disulfide	<0.50		1.0	0.50	ug/L			04/10/16 13:45	1
Carbon tetrachloride	<0.50		1.0	0.50	ug/L			04/10/16 13:45	1
Chlorobenzene	<0.50		1.0	0.50	ug/L			04/10/16 13:45	1
Chlorobromomethane	<0.52		1.0	0.52	ug/L			04/10/16 13:45	1
Chlorodibromomethane	<0.50		1.0	0.50	ug/L			04/10/16 13:45	1
Chloroethane	<0.76		1.0	0.76	ug/L			04/10/16 13:45	1
Chloroform	<0.60		1.0	0.60	ug/L			04/10/16 13:45	1
Chloromethane	<0.83		1.0	0.83	ug/L			04/10/16 13:45	1
2-Chlorotoluene	<0.57		1.0	0.57	ug/L			04/10/16 13:45	1
4-Chlorotoluene	<0.56		1.0	0.56	ug/L			04/10/16 13:45	1
cis-1,2-Dichloroethene	<0.50		1.0	0.50	ug/L			04/10/16 13:45	1
cis-1,3-Dichloropropene	<0.50		5.0	0.50	ug/L			04/10/16 13:45	1
1,2-Dibromo-3-Chloropropane	<1.5		5.0	1.5	ug/L			04/10/16 13:45	1
Dibromomethane	<0.59		5.0	0.59	ug/L			04/10/16 13:45	1
1,2-Dichlorobenzene	<0.50		1.0	0.50	ug/L			04/10/16 13:45	1
1,3-Dichlorobenzene	<0.54		1.0	0.54	ug/L			04/10/16 13:45	1
1,4-Dichlorobenzene	<0.64		1.0	0.64	ug/L			04/10/16 13:45	1
Dichlorobromomethane	<0.50		1.0	0.50	ug/L			04/10/16 13:45	1
Dichlorodifluoromethane	<0.85		1.0	0.85	ug/L			04/10/16 13:45	1
1,1-Dichloroethane	<0.50		1.0	0.50	ug/L			04/10/16 13:45	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			04/10/16 13:45	1
1,1-Dichloroethene	<0.50		1.0	0.50	ug/L			04/10/16 13:45	1
1,2-Dichloropropane	<0.50		1.0	0.50	ug/L			04/10/16 13:45	1
1,3-Dichloropropane	<0.50		1.0	0.50	ug/L			04/10/16 13:45	1
2,2-Dichloropropane	<0.50		1.0	0.50	ug/L			04/10/16 13:45	1
1,1-Dichloropropene	<0.50		1.0	0.50	ug/L			04/10/16 13:45	1
Ethylbenzene	<0.50		1.0	0.50	ug/L			04/10/16 13:45	1
Ethylene Dibromide	<0.50		1.0	0.50	ug/L			04/10/16 13:45	1
Hexachlorobutadiene	<0.90		5.0	0.90	ug/L			04/10/16 13:45	1
2-Hexanone	<3.1		25	3.1	ug/L			04/10/16 13:45	1
Isopropylbenzene	<0.53		1.0	0.53	ug/L			04/10/16 13:45	1
4-Isopropyltoluene	<0.71		1.0	0.71	ug/L			04/10/16 13:45	1
Methylene Chloride	<3.0		5.0	3.0	ug/L			04/10/16 13:45	1
4-Methyl-2-pentanone (MIBK)	<1.8		25	1.8	ug/L			04/10/16 13:45	1
Methyl tert-butyl ether	<0.74		1.0	0.74	ug/L			04/10/16 13:45	1
m-Xylene & p-Xylene	<1.6		5.0	1.6	ug/L			04/10/16 13:45	1
Naphthalene	<1.0		1.0	1.0	ug/L			04/10/16 13:45	1
n-Butylbenzene	<0.76		1.0	0.76	ug/L			04/10/16 13:45	1
N-Propylbenzene	<0.69		1.0	0.69	ug/L			04/10/16 13:45	1
o-Xylene	<0.60		5.0	0.60	ug/L			04/10/16 13:45	1
sec-Butylbenzene	<0.70		1.0	0.70	ug/L			04/10/16 13:45	1
Styrene	<1.0		1.0	1.0	ug/L			04/10/16 13:45	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-301080/27
Matrix: Water
Analysis Batch: 301080

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	<0.63		1.0	0.63	ug/L			04/10/16 13:45	1
1,1,1,2-Tetrachloroethane	<0.52		1.0	0.52	ug/L			04/10/16 13:45	1
1,1,2,2-Tetrachloroethane	<0.50		1.0	0.50	ug/L			04/10/16 13:45	1
Tetrachloroethene	<0.58		1.0	0.58	ug/L			04/10/16 13:45	1
Toluene	<0.70		1.0	0.70	ug/L			04/10/16 13:45	1
trans-1,2-Dichloroethene	<0.50		1.0	0.50	ug/L			04/10/16 13:45	1
trans-1,3-Dichloropropene	<0.50		5.0	0.50	ug/L			04/10/16 13:45	1
1,2,3-Trichlorobenzene	<0.70		1.0	0.70	ug/L			04/10/16 13:45	1
1,2,4-Trichlorobenzene	<0.82		1.0	0.82	ug/L			04/10/16 13:45	1
1,1,1-Trichloroethane	<0.50		1.0	0.50	ug/L			04/10/16 13:45	1
1,1,2-Trichloroethane	<0.50		5.0	0.50	ug/L			04/10/16 13:45	1
Trichloroethene	<0.50		1.0	0.50	ug/L			04/10/16 13:45	1
Trichlorofluoromethane	<0.52		1.0	0.52	ug/L			04/10/16 13:45	1
1,2,3-Trichloropropane	<0.84		5.0	0.84	ug/L			04/10/16 13:45	1
1,2,4-Trimethylbenzene	<0.82		1.0	0.82	ug/L			04/10/16 13:45	1
1,3,5-Trimethylbenzene	<0.56		1.0	0.56	ug/L			04/10/16 13:45	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			04/10/16 13:45	1
Xylenes, Total	<1.6		10	1.6	ug/L			04/10/16 13:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*78 - 118*		*04/10/16 13:45*	*1*
Dibromofluoromethane	*103*		*81 - 121*		*04/10/16 13:45*	*1*
Toluene-d8 (Surr)	*109*		*80 - 120*		*04/10/16 13:45*	*1*

Lab Sample ID: LCS 400-301080/1002
Matrix: Water
Analysis Batch: 301080

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	LCS Qualifier	Unit	D
Acetone		ug/L	
Benzene		ug/L	
Bromobenzene		ug/L	
Bromoform		ug/L	
Bromomethane		ug/L	
2-Butanone (MEK)		ug/L	
Carbon disulfide		ug/L	
Carbon tetrachloride		ug/L	
Chlorobenzene		ug/L	
Chlorobromomethane		ug/L	
Chlorodibromomethane		ug/L	
Chloroethane		ug/L	
Chloroform		ug/L	
Chloromethane		ug/L	
2-Chlorotoluene		ug/L	
4-Chlorotoluene		ug/L	
cis-1,2-Dichloroethene		ug/L	
cis-1,3-Dichloropropene		ug/L	
1,2-Dibromo-3-Chloropropane		ug/L	

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-301080/1002
Matrix: Water
Analysis Batch: 301080

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	LCS Qualifier	Unit	D
Dibromomethane		ug/L	
1,2-Dichlorobenzene		ug/L	
1,3-Dichlorobenzene		ug/L	
1,4-Dichlorobenzene		ug/L	
Dichlorobromomethane		ug/L	
Dichlorodifluoromethane		ug/L	
1,1-Dichloroethane		ug/L	
1,2-Dichloroethane		ug/L	
1,1-Dichloroethene		ug/L	
1,2-Dichloropropane		ug/L	
1,3-Dichloropropane		ug/L	
2,2-Dichloropropane		ug/L	
1,1-Dichloropropene		ug/L	
Ethylbenzene		ug/L	
Ethylene Dibromide		ug/L	
Hexachlorobutadiene		ug/L	
2-Hexanone		ug/L	
Isopropylbenzene		ug/L	
4-Isopropyltoluene		ug/L	
Methylene Chloride		ug/L	
4-Methyl-2-pentanone (MIBK)		ug/L	
Methyl tert-butyl ether		ug/L	
m-Xylene & p-Xylene		ug/L	
Naphthalene		ug/L	
n-Butylbenzene		ug/L	
N-Propylbenzene		ug/L	
o-Xylene		ug/L	
sec-Butylbenzene		ug/L	
Styrene		ug/L	
tert-Butylbenzene		ug/L	
1,1,1,2-Tetrachloroethane		ug/L	
1,1,2,2-Tetrachloroethane		ug/L	
Tetrachloroethene		ug/L	
Toluene		ug/L	
trans-1,2-Dichloroethene		ug/L	
trans-1,3-Dichloropropene		ug/L	
1,2,3-Trichlorobenzene		ug/L	
1,2,4-Trichlorobenzene		ug/L	
1,1,1-Trichloroethane		ug/L	
1,1,2-Trichloroethane		ug/L	
Trichloroethene		ug/L	
Trichlorofluoromethane		ug/L	
1,2,3-Trichloropropane		ug/L	
1,2,4-Trimethylbenzene		ug/L	
1,3,5-Trimethylbenzene		ug/L	
Vinyl chloride		ug/L	
Xylenes, Total		ug/L	

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-301080/1002
Matrix: Water
Analysis Batch: 301080

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	103		78 - 118
Dibromofluoromethane	104		81 - 121
Toluene-d8 (Surr)	105		80 - 120

Lab Chronicle

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-2

Client Sample ID: MW-36
Date Collected: 03/31/16 12:05
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-26
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	301080	04/10/16 16:30	S1S	TAL PEN

Client Sample ID: MW-7S
Date Collected: 03/31/16 13:40
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-27
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	301080	04/10/16 16:51	S1S	TAL PEN

Client Sample ID: MW-7D
Date Collected: 03/31/16 14:15
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-28
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	301080	04/10/16 17:11	S1S	TAL PEN

Client Sample ID: MW-8D
Date Collected: 03/31/16 15:00
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-29
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	301080	04/10/16 17:31	S1S	TAL PEN

Client Sample ID: MW-8S
Date Collected: 03/31/16 15:25
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-30
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		25	5 mL	5 mL	301080	04/10/16 20:55	S1S	TAL PEN

Client Sample ID: Lab Control Sample
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-301080/1002
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	301080	04/10/16 12:39	S1S	TAL PEN

Lab Chronicle

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-2

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-301080/27
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	301080	04/10/16 13:45	S1S	TAL PEN

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Method Summary

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-2

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Certification Summary

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-2

Laboratory: TestAmerica Pensacola

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40150	06-30-16
Arizona	State Program	9	AZ0710	01-11-17
Arkansas DEQ	State Program	6	88-0689	09-01-16
California	ELAP	9	2510	03-31-18
Florida	NELAP	4	E81010	06-30-16
Georgia	State Program	4	N/A	06-30-16
Illinois	NELAP	5	200041	10-09-16
Iowa	State Program	7	367	07-31-16
Kansas	NELAP	7	E-10253	05-31-16 *
Kentucky (UST)	State Program	4	53	06-30-16
Kentucky (WW)	State Program	4	98030	12-31-16
Louisiana	NELAP	6	30976	06-30-16
Maryland	State Program	3	233	09-30-16
Massachusetts	State Program	1	M-FL094	06-30-16
Michigan	State Program	5	9912	06-30-16
New Jersey	NELAP	2	FL006	06-30-16
North Carolina (WW/SW)	State Program	4	314	12-31-16
Oklahoma	State Program	6	9810	08-31-16
Pennsylvania	NELAP	3	68-00467	01-31-17
Rhode Island	State Program	1	LAO00307	12-30-16
South Carolina	State Program	4	96026	06-30-16
Tennessee	State Program	4	TN02907	06-30-16
Texas	NELAP	6	T104704286-15-9	09-30-16
USDA	Federal		P330-13-00193	07-01-16
Virginia	NELAP	3	460166	06-14-16
West Virginia DEP	State Program	3	136	06-30-16

Laboratory: TestAmerica Tallahassee

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Florida	NELAP	4	E81005	06-30-16
Georgia	State Program	4		06-30-16
Louisiana	NELAP	6	30663	06-30-16
USDA	Federal		P330-08-00158	10-14-17

* Certification renewal pending - certification considered valid.

TestAmerica Tallahassee
2846 Industrial Plaza Drive
Tallahassee, FL 32301
Phone (850) 878-3994 Fax (850) 878-9504

Chain of Custody Record

119057

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler:	Lab PM: Jones, Matt	Carrier Tracking No(s):	COC No: 640-52480-13395.4
Client Contact: Steven Elliott	Phone: 850 435 8925	E-Mail: matt.jones@testamericainc.com		Page: Page 4 of 4
Company: Ecology and Environment, Inc.		Analysis Requested		Job #
Address: 700 South Palafox Suite 100	Due Date Requested:			Preservation Codes:
City: Pensacola	TAT Requested (days): Std			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
State, Zip: FL, 32502				
Phone:	PO #: 1002554.0001			Other:
Email: selliott@ene.com	WO #: 1002554.0001			
Project Name: Water Valley Mississippi, Former Holley	Project #: 64001574			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	8260B - (MOD) 8260 Standard list	Special Instructions/Note:
To be reported separate from other Samples						
MW-36	3/31/16	1205	G	W	X	
MW-7S		1340			X	
MW-7D		1415			X	
MW-8D		1500			X	
MW-8S		1525			X	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	3/31/16 1730	E+E	[signature]	4-1-16 849	[signature]
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 4.1 °C [signature]

Login Sample Receipt Checklist

Client: Ecology and Environment, Inc.

Job Number: 400-119657-2

Login Number: 119657

List Source: TestAmerica Pensacola

List Number: 1
Creator: Crawford, Lauren E

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.1°C IR-6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Tel: (850)474-1001

TestAmerica Job ID: 400-119657-1
Client Project/Site: Water Valley Mississippi, Former Holley

For:
Ecology and Environment, Inc.
700 South Palafox
Suite 100
Pensacola, Florida 32502

Attn: Steven Elliott

Authorized for release by:
4/15/2016 11:08:56 AM

Matt Jones, Project Manager I
(850)878-3994
matt.jones@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

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Case Narrative

Client: Ecology and Environment, Inc.
TestAmerica Job ID: 400-119657-1

Project/Site: Water Valley Mississippi, Former Holley

Job ID: 400-119657-1

Laboratory: TestAmerica Pensacola

Narrative

Job Narrative
400-119657-1

Comments

No additional comments.

Receipt

The samples were received on 4/1/2016 8:49 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.1º C.

GC/MS VOA

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 400-301039 recovered above the upper control limit for Bromomethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 301080 recovered above the upper control limit for Naphthalene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 301080 recovered outside acceptance criteria, low biased, for Dichlorodifluoromethane and Chloromethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-1

Client Sample ID: TRIP BLANK — Lab Sample ID: 400-119657-1

No Detections.

Client Sample ID: MW-44 — Lab Sample ID: 400-119657-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	58		10	5.0	ug/L	10		8260C	Total/NA
Trichloroethene	1600		10	5.0	ug/L	10		8260C	Total/NA

Client Sample ID: MW-48 — Lab Sample ID: 400-119657-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.52	J	1.0	0.50	ug/L	1		8260C	Total/NA

Client Sample ID: MW-45 — Lab Sample ID: 400-119657-4

No Detections.

Client Sample ID: MW-47 — Lab Sample ID: 400-119657-5

No Detections.

Client Sample ID: MW-31D — Lab Sample ID: 400-119657-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	14		1.0	0.50	ug/L	1		8260C	Total/NA
Trichloroethene	63		1.0	0.50	ug/L	1		8260C	Total/NA

Client Sample ID: MW-31S — Lab Sample ID: 400-119657-7

No Detections.

Client Sample ID: MW-22S — Lab Sample ID: 400-119657-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	130		10	5.0	ug/L	10		8260C	Total/NA
Trichloroethene	1600		10	5.0	ug/L	10		8260C	Total/NA

Client Sample ID: MW-22D — Lab Sample ID: 400-119657-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	65		5.0	2.5	ug/L	5		8260C	Total/NA
Trichloroethene	680		5.0	2.5	ug/L	5		8260C	Total/NA

Client Sample ID: MW-41 — Lab Sample ID: 400-119657-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	59		5.0	2.5	ug/L	5		8260C	Total/NA
Trichloroethene	640		5.0	2.5	ug/L	5		8260C	Total/NA

Client Sample ID: MW-25D — Lab Sample ID: 400-119657-11

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-25D (Continued) — Lab Sample ID: 400-119657-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	22		2.0	1.0	ug/L	2		8260C	Total/NA
Trichloroethene	280		2.0	1.0	ug/L	2		8260C	Total/NA

Client Sample ID: MW-11 — Lab Sample ID: 400-119657-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	25		5.0	2.5	ug/L	5		8260C	Total/NA
Trichloroethene	720		5.0	2.5	ug/L	5		8260C	Total/NA

Client Sample ID: MW-38S — Lab Sample ID: 400-119657-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.52	J	1.0	0.50	ug/L	1		8260C	Total/NA
Trichloroethene	4.9		1.0	0.50	ug/L	1		8260C	Total/NA

Client Sample ID: MW-38 — Lab Sample ID: 400-119657-14

No Detections.

Client Sample ID: MW-34 — Lab Sample ID: 400-119657-15

No Detections.

Client Sample ID: MW-30S — Lab Sample ID: 400-119657-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	7.4		1.0	0.50	ug/L	1		8260C	Total/NA

Client Sample ID: MW-30D — Lab Sample ID: 400-119657-17

No Detections.

Client Sample ID: MW-46 — Lab Sample ID: 400-119657-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	6.0		1.0	0.50	ug/L	1		8260C	Total/NA
Trichloroethene	200		1.0	0.50	ug/L	1		8260C	Total/NA

Client Sample ID: MW-28S — Lab Sample ID: 400-119657-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.70	J	1.0	0.50	ug/L	1		8260C	Total/NA

Client Sample ID: MW-28D — Lab Sample ID: 400-119657-20

No Detections.

Client Sample ID: MW-35 — Lab Sample ID: 400-119657-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bromomethane	1.0		1.0	0.98	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-1

Client Sample ID: MW-35 (Continued) — Lab Sample ID: 400-119657-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	4.0		1.0	0.50	ug/L	1		8260C	Total/NA
Trichloroethene	220		1.0	0.50	ug/L	1		8260C	Total/NA

Client Sample ID: CS-2 — Lab Sample ID: 400-119657-22

No Detections.

Client Sample ID: MW-27 — Lab Sample ID: 400-119657-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	140		5.0	2.5	ug/L	5		8260C	Total/NA
Trichloroethene	1200		5.0	2.5	ug/L	5		8260C	Total/NA

Client Sample ID: MW-37 — Lab Sample ID: 400-119657-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	81		5.0	2.5	ug/L	5		8260C	Total/NA
Trichloroethene	810		5.0	2.5	ug/L	5		8260C	Total/NA

Client Sample ID: MW-27 DUP — Lab Sample ID: 400-119657-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	140		5.0	2.5	ug/L	5		8260C	Total/NA
Trichloroethene	1100		5.0	2.5	ug/L	5		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Sample Summary

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-119657-1	TRIP BLANK	Water	03/29/16 11:00	04/01/16 08:49
400-119657-2	MW-44	Water	03/29/16 12:10	04/01/16 08:49
400-119657-3	MW-48	Water	03/29/16 13:00	04/01/16 08:49
400-119657-4	MW-45	Water	03/29/16 13:45	04/01/16 08:49
400-119657-5	MW-47	Water	03/29/16 14:35	04/01/16 08:49
400-119657-6	MW-31D	Water	03/29/16 15:52	04/01/16 08:49
400-119657-7	MW-31S	Water	03/29/16 17:05	04/01/16 08:49
400-119657-8	MW-22S	Water	03/30/16 08:40	04/01/16 08:49
400-119657-9	MW-22D	Water	03/30/16 09:05	04/01/16 08:49
400-119657-10	MW-41	Water	03/30/16 09:45	04/01/16 08:49
400-119657-11	MW-25D	Water	03/30/16 10:25	04/01/16 08:49
400-119657-12	MW-11	Water	03/30/16 11:00	04/01/16 08:49
400-119657-13	MW-38S	Water	03/30/16 12:00	04/01/16 08:49
400-119657-14	MW-38	Water	03/30/16 12:55	04/01/16 08:49
400-119657-15	MW-34	Water	03/30/16 14:30	04/01/16 08:49
400-119657-16	MW-30S	Water	03/30/16 15:05	04/01/16 08:49
400-119657-17	MW-30D	Water	03/30/16 15:35	04/01/16 08:49
400-119657-18	MW-46	Water	03/30/16 16:15	04/01/16 08:49
400-119657-19	MW-28S	Water	03/30/16 16:55	04/01/16 08:49
400-119657-20	MW-28D	Water	03/30/16 17:25	04/01/16 08:49
400-119657-21	MW-35	Water	03/31/16 09:35	04/01/16 08:49
400-119657-22	CS-2	Water	03/31/16 09:45	04/01/16 08:49
400-119657-23	MW-27	Water	03/31/16 10:30	04/01/16 08:49
400-119657-24	MW-37	Water	03/31/16 11:15	04/01/16 08:49
400-119657-25	MW-27 DUP	Water	03/31/16 00:00	04/01/16 08:49

Client Sample ID: TRIP BLANK
Date Collected: 03/29/16 11:00
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-1
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		25	10	ug/L			04/09/16 12:16	1
Benzene	<0.38		1.0	0.38	ug/L			04/09/16 12:16	1
Bromobenzene	<0.54		1.0	0.54	ug/L			04/09/16 12:16	1
Bromoform	<0.71		5.0	0.71	ug/L			04/09/16 12:16	1
Bromomethane	<0.98		1.0	0.98	ug/L			04/09/16 12:16	1
2-Butanone (MEK)	<2.6		25	2.6	ug/L			04/09/16 12:16	1
Carbon disulfide	<0.50		1.0	0.50	ug/L			04/09/16 12:16	1
Carbon tetrachloride	<0.50		1.0	0.50	ug/L			04/09/16 12:16	1
Chlorobenzene	<0.50		1.0	0.50	ug/L			04/09/16 12:16	1
Chlorobromomethane	<0.52		1.0	0.52	ug/L			04/09/16 12:16	1
Chlorodibromomethane	<0.50		1.0	0.50	ug/L			04/09/16 12:16	1
Chloroethane	<0.76		1.0	0.76	ug/L			04/09/16 12:16	1
Chloroform	<0.60		1.0	0.60	ug/L			04/09/16 12:16	1
Chloromethane	<0.83		1.0	0.83	ug/L			04/09/16 12:16	1
2-Chlorotoluene	<0.57		1.0	0.57	ug/L			04/09/16 12:16	1
4-Chlorotoluene	<0.56		1.0	0.56	ug/L			04/09/16 12:16	1
cis-1,2-Dichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 12:16	1
cis-1,3-Dichloropropene	<0.50		5.0	0.50	ug/L			04/09/16 12:16	1
1,2-Dibromo-3-Chloropropane	<1.5		5.0	1.5	ug/L			04/09/16 12:16	1
Dibromomethane	<0.59		5.0	0.59	ug/L			04/09/16 12:16	1
1,2-Dichlorobenzene	<0.50		1.0	0.50	ug/L			04/09/16 12:16	1
1,3-Dichlorobenzene	<0.54		1.0	0.54	ug/L			04/09/16 12:16	1
1,4-Dichlorobenzene	<0.64		1.0	0.64	ug/L			04/09/16 12:16	1
Dichlorobromomethane	<0.50		1.0	0.50	ug/L			04/09/16 12:16	1
Dichlorodifluoromethane	<0.85		1.0	0.85	ug/L			04/09/16 12:16	1
1,1-Dichloroethane	<0.50		1.0	0.50	ug/L			04/09/16 12:16	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			04/09/16 12:16	1
1,1-Dichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 12:16	1
1,2-Dichloropropane	<0.50		1.0	0.50	ug/L			04/09/16 12:16	1
1,3-Dichloropropane	<0.50		1.0	0.50	ug/L			04/09/16 12:16	1
2,2-Dichloropropane	<0.50		1.0	0.50	ug/L			04/09/16 12:16	1
1,1-Dichloropropene	<0.50		1.0	0.50	ug/L			04/09/16 12:16	1
Ethylbenzene	<0.50		1.0	0.50	ug/L			04/09/16 12:16	1
Ethylene Dibromide	<0.50		1.0	0.50	ug/L			04/09/16 12:16	1
Hexachlorobutadiene	<0.90		5.0	0.90	ug/L			04/09/16 12:16	1
2-Hexanone	<3.1		25	3.1	ug/L			04/09/16 12:16	1
Isopropylbenzene	<0.53		1.0	0.53	ug/L			04/09/16 12:16	1
4-Isopropyltoluene	<0.71		1.0	0.71	ug/L			04/09/16 12:16	1
Methylene Chloride	<3.0		5.0	3.0	ug/L			04/09/16 12:16	1
4-Methyl-2-pentanone (MIBK)	<1.8		25	1.8	ug/L			04/09/16 12:16	1
Methyl tert-butyl ether	<0.74		1.0	0.74	ug/L			04/09/16 12:16	1
m-Xylene & p-Xylene	<1.6		5.0	1.6	ug/L			04/09/16 12:16	1
Naphthalene	<1.0		1.0	1.0	ug/L			04/09/16 12:16	1
n-Butylbenzene	<0.76		1.0	0.76	ug/L			04/09/16 12:16	1
N-Propylbenzene	<0.69		1.0	0.69	ug/L			04/09/16 12:16	1
o-Xylene	<0.60		5.0	0.60	ug/L			04/09/16 12:16	1
sec-Butylbenzene	<0.70		1.0	0.70	ug/L			04/09/16 12:16	1
Styrene	<1.0		1.0	1.0	ug/L			04/09/16 12:16	1
tert-Butylbenzene	<0.63		1.0	0.63	ug/L			04/09/16 12:16	1

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-1

Client Sample ID: TRIP BLANK
Date Collected: 03/29/16 11:00
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-1
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.52		1.0	0.52	ug/L			04/09/16 12:16	1
1,1,2,2-Tetrachloroethane	<0.50		1.0	0.50	ug/L			04/09/16 12:16	1
Tetrachloroethene	<0.58		1.0	0.58	ug/L			04/09/16 12:16	1
Toluene	<0.70		1.0	0.70	ug/L			04/09/16 12:16	1
trans-1,2-Dichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 12:16	1
trans-1,3-Dichloropropene	<0.50		5.0	0.50	ug/L			04/09/16 12:16	1
1,2,3-Trichlorobenzene	<0.70		1.0	0.70	ug/L			04/09/16 12:16	1
1,2,4-Trichlorobenzene	<0.82		1.0	0.82	ug/L			04/09/16 12:16	1
1,1,1-Trichloroethane	<0.50		1.0	0.50	ug/L			04/09/16 12:16	1
1,1,2-Trichloroethane	<0.50		5.0	0.50	ug/L			04/09/16 12:16	1
Trichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 12:16	1
Trichlorofluoromethane	<0.52		1.0	0.52	ug/L			04/09/16 12:16	1
1,2,3-Trichloropropane	<0.84		5.0	0.84	ug/L			04/09/16 12:16	1
1,2,4-Trimethylbenzene	<0.82		1.0	0.82	ug/L			04/09/16 12:16	1
1,3,5-Trimethylbenzene	<0.56		1.0	0.56	ug/L			04/09/16 12:16	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			04/09/16 12:16	1
Xylenes, Total	<1.6		10	1.6	ug/L			04/09/16 12:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*78 -118*		*04/09/16 12:16*	*1*
Dibromofluoromethane	*95*		*81 -121*		*04/09/16 12:16*	*1*
Toluene-d8 (Surr)	*100*		*80 -120*		*04/09/16 12:16*	*1*

Client Sample ID: MW-44
Date Collected: 03/29/16 12:10
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-2
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<100		250	100	ug/L			04/09/16 19:11	10
Benzene	<3.8		10	3.8	ug/L			04/09/16 19:11	10
Bromobenzene	<5.4		10	5.4	ug/L			04/09/16 19:11	10
Bromoform	<7.1		50	7.1	ug/L			04/09/16 19:11	10
Bromomethane	<9.8		10	9.8	ug/L			04/09/16 19:11	10
2-Butanone (MEK)	<26		250	26	ug/L			04/09/16 19:11	10
Carbon disulfide	<5.0		10	5.0	ug/L			04/09/16 19:11	10
Carbon tetrachloride	<5.0		10	5.0	ug/L			04/09/16 19:11	10
Chlorobenzene	<5.0		10	5.0	ug/L			04/09/16 19:11	10
Chlorobromomethane	<5.2		10	5.2	ug/L			04/09/16 19:11	10
Chlorodibromomethane	<5.0		10	5.0	ug/L			04/09/16 19:11	10
Chloroethane	<7.6		10	7.6	ug/L			04/09/16 19:11	10
Chloroform	<6.0		10	6.0	ug/L			04/09/16 19:11	10
Chloromethane	<8.3		10	8.3	ug/L			04/09/16 19:11	10
2-Chlorotoluene	<5.7		10	5.7	ug/L			04/09/16 19:11	10
4-Chlorotoluene	<5.6		10	5.6	ug/L			04/09/16 19:11	10
cis-1,2-Dichloroethene	**58**		10	5.0	ug/L			04/09/16 19:11	10
cis-1,3-Dichloropropene	<5.0		50	5.0	ug/L			04/09/16 19:11	10
1,2-Dibromo-3-Chloropropane	<15		50	15	ug/L			04/09/16 19:11	10
Dibromomethane	<5.9		50	5.9	ug/L			04/09/16 19:11	10
1,2-Dichlorobenzene	<5.0		10	5.0	ug/L			04/09/16 19:11	10
1,3-Dichlorobenzene	<5.4		10	5.4	ug/L			04/09/16 19:11	10
1,4-Dichlorobenzene	<6.4		10	6.4	ug/L			04/09/16 19:11	10
Dichlorobromomethane	<5.0		10	5.0	ug/L			04/09/16 19:11	10
Dichlorodifluoromethane	<8.5		10	8.5	ug/L			04/09/16 19:11	10
1,1-Dichloroethane	<5.0		10	5.0	ug/L			04/09/16 19:11	10
1,2-Dichloroethane	<5.0		10	5.0	ug/L			04/09/16 19:11	10
1,1-Dichloroethene	<5.0		10	5.0	ug/L			04/09/16 19:11	10
1,2-Dichloropropane	<5.0		10	5.0	ug/L			04/09/16 19:11	10
1,3-Dichloropropane	<5.0		10	5.0	ug/L			04/09/16 19:11	10
2,2-Dichloropropane	<5.0		10	5.0	ug/L			04/09/16 19:11	10
1,1-Dichloropropene	<5.0		10	5.0	ug/L			04/09/16 19:11	10
Ethylbenzene	<5.0		10	5.0	ug/L			04/09/16 19:11	10
Ethylene Dibromide	<5.0		10	5.0	ug/L			04/09/16 19:11	10
Hexachlorobutadiene	<9.0		50	9.0	ug/L			04/09/16 19:11	10
2-Hexanone	<31		250	31	ug/L			04/09/16 19:11	10
Isopropylbenzene	<5.3		10	5.3	ug/L			04/09/16 19:11	10
4-Isopropyltoluene	<7.1		10	7.1	ug/L			04/09/16 19:11	10
Methylene Chloride	<30		50	30	ug/L			04/09/16 19:11	10
4-Methyl-2-pentanone (MIBK)	<18		250	18	ug/L			04/09/16 19:11	10
Methyl tert-butyl ether	<7.4		10	7.4	ug/L			04/09/16 19:11	10
m-Xylene & p-Xylene	<16		50	16	ug/L			04/09/16 19:11	10
Naphthalene	<10		10	10	ug/L			04/09/16 19:11	10
n-Butylbenzene	<7.6		10	7.6	ug/L			04/09/16 19:11	10
N-Propylbenzene	<6.9		10	6.9	ug/L			04/09/16 19:11	10
o-Xylene	<6.0		50	6.0	ug/L			04/09/16 19:11	10
sec-Butylbenzene	<7.0		10	7.0	ug/L			04/09/16 19:11	10
Styrene	<10		10	10	ug/L			04/09/16 19:11	10
tert-Butylbenzene	<6.3		10	6.3	ug/L			04/09/16 19:11	10

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-1

Client Sample ID: MW-44
Date Collected: 03/29/16 12:10
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-2
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<5.2		10	5.2	ug/L			04/09/16 19:11	10
1,1,2,2-Tetrachloroethane	<5.0		10	5.0	ug/L			04/09/16 19:11	10
Tetrachloroethene	<5.8		10	5.8	ug/L			04/09/16 19:11	10
Toluene	<7.0		10	7.0	ug/L			04/09/16 19:11	10
trans-1,2-Dichloroethene	<5.0		10	5.0	ug/L			04/09/16 19:11	10
trans-1,3-Dichloropropene	<5.0		50	5.0	ug/L			04/09/16 19:11	10
1,2,3-Trichlorobenzene	<7.0		10	7.0	ug/L			04/09/16 19:11	10
1,2,4-Trichlorobenzene	<8.2		10	8.2	ug/L			04/09/16 19:11	10
1,1,1-Trichloroethane	<5.0		10	5.0	ug/L			04/09/16 19:11	10
1,1,2-Trichloroethane	<5.0		50	5.0	ug/L			04/09/16 19:11	10
Trichloroethene	**1600**		10	5.0	ug/L			04/09/16 19:11	10
Trichlorofluoromethane	<5.2		10	5.2	ug/L			04/09/16 19:11	10
1,2,3-Trichloropropane	<8.4		50	8.4	ug/L			04/09/16 19:11	10
1,2,4-Trimethylbenzene	<8.2		10	8.2	ug/L			04/09/16 19:11	10
1,3,5-Trimethylbenzene	<5.6		10	5.6	ug/L			04/09/16 19:11	10
Vinyl chloride	<5.0		10	5.0	ug/L			04/09/16 19:11	10
Xylenes, Total	<16		100	16	ug/L			04/09/16 19:11	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*78 -118*		*04/09/16 19:11*	*10*
Dibromofluoromethane	*97*		*81 -121*		*04/09/16 19:11*	*10*
Toluene-d8 (Surr)	*105*		*80 -120*		*04/09/16 19:11*	*10*

Client Sample ID: MW-48
Date Collected: 03/29/16 13:00
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-3
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		25	10	ug/L			04/09/16 10:06	1
Benzene	<0.38		1.0	0.38	ug/L			04/09/16 10:06	1
Bromobenzene	<0.54		1.0	0.54	ug/L			04/09/16 10:06	1
Bromoform	<0.71		5.0	0.71	ug/L			04/09/16 10:06	1
Bromomethane	<0.98		1.0	0.98	ug/L			04/09/16 10:06	1
2-Butanone (MEK)	<2.6		25	2.6	ug/L			04/09/16 10:06	1
Carbon disulfide	<0.50		1.0	0.50	ug/L			04/09/16 10:06	1
Carbon tetrachloride	<0.50		1.0	0.50	ug/L			04/09/16 10:06	1
Chlorobenzene	<0.50		1.0	0.50	ug/L			04/09/16 10:06	1
Chlorobromomethane	<0.52		1.0	0.52	ug/L			04/09/16 10:06	1
Chlorodibromomethane	<0.50		1.0	0.50	ug/L			04/09/16 10:06	1
Chloroethane	<0.76		1.0	0.76	ug/L			04/09/16 10:06	1
Chloroform	<0.60		1.0	0.60	ug/L			04/09/16 10:06	1
Chloromethane	<0.83		1.0	0.83	ug/L			04/09/16 10:06	1
2-Chlorotoluene	<0.57		1.0	0.57	ug/L			04/09/16 10:06	1
4-Chlorotoluene	<0.56		1.0	0.56	ug/L			04/09/16 10:06	1
cis-1,2-Dichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 10:06	1
cis-1,3-Dichloropropene	<0.50		5.0	0.50	ug/L			04/09/16 10:06	1
1,2-Dibromo-3-Chloropropane	<1.5		5.0	1.5	ug/L			04/09/16 10:06	1
Dibromomethane	<0.59		5.0	0.59	ug/L			04/09/16 10:06	1
1,2-Dichlorobenzene	<0.50		1.0	0.50	ug/L			04/09/16 10:06	1
1,3-Dichlorobenzene	<0.54		1.0	0.54	ug/L			04/09/16 10:06	1
1,4-Dichlorobenzene	<0.64		1.0	0.64	ug/L			04/09/16 10:06	1
Dichlorobromomethane	<0.50		1.0	0.50	ug/L			04/09/16 10:06	1
Dichlorodifluoromethane	<0.85		1.0	0.85	ug/L			04/09/16 10:06	1
1,1-Dichloroethane	<0.50		1.0	0.50	ug/L			04/09/16 10:06	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			04/09/16 10:06	1
1,1-Dichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 10:06	1
1,2-Dichloropropane	<0.50		1.0	0.50	ug/L			04/09/16 10:06	1
1,3-Dichloropropane	<0.50		1.0	0.50	ug/L			04/09/16 10:06	1
2,2-Dichloropropane	<0.50		1.0	0.50	ug/L			04/09/16 10:06	1
1,1-Dichloropropene	<0.50		1.0	0.50	ug/L			04/09/16 10:06	1
Ethylbenzene	<0.50		1.0	0.50	ug/L			04/09/16 10:06	1
Ethylene Dibromide	<0.50		1.0	0.50	ug/L			04/09/16 10:06	1
Hexachlorobutadiene	<0.90		5.0	0.90	ug/L			04/09/16 10:06	1
2-Hexanone	<3.1		25	3.1	ug/L			04/09/16 10:06	1
Isopropylbenzene	<0.53		1.0	0.53	ug/L			04/09/16 10:06	1
4-Isopropyltoluene	<0.71		1.0	0.71	ug/L			04/09/16 10:06	1
Methylene Chloride	<3.0		5.0	3.0	ug/L			04/09/16 10:06	1
4-Methyl-2-pentanone (MIBK)	<1.8		25	1.8	ug/L			04/09/16 10:06	1
Methyl tert-butyl ether	<0.74		1.0	0.74	ug/L			04/09/16 10:06	1
m-Xylene & p-Xylene	<1.6		5.0	1.6	ug/L			04/09/16 10:06	1
Naphthalene	<1.0		1.0	1.0	ug/L			04/09/16 10:06	1
n-Butylbenzene	<0.76		1.0	0.76	ug/L			04/09/16 10:06	1
N-Propylbenzene	<0.69		1.0	0.69	ug/L			04/09/16 10:06	1
o-Xylene	<0.60		5.0	0.60	ug/L			04/09/16 10:06	1
sec-Butylbenzene	<0.70		1.0	0.70	ug/L			04/09/16 10:06	1
Styrene	<1.0		1.0	1.0	ug/L			04/09/16 10:06	1
tert-Butylbenzene	<0.63		1.0	0.63	ug/L			04/09/16 10:06	1

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-1

Client Sample ID: MW-48
Date Collected: 03/29/16 13:00
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-3
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.52		1.0	0.52	ug/L			04/09/16 10:06	1
1,1,2,2-Tetrachloroethane	<0.50		1.0	0.50	ug/L			04/09/16 10:06	1
Tetrachloroethene	<0.58		1.0	0.58	ug/L			04/09/16 10:06	1
Toluene	<0.70		1.0	0.70	ug/L			04/09/16 10:06	1
trans-1,2-Dichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 10:06	1
trans-1,3-Dichloropropene	<0.50		5.0	0.50	ug/L			04/09/16 10:06	1
1,2,3-Trichlorobenzene	<0.70		1.0	0.70	ug/L			04/09/16 10:06	1
1,2,4-Trichlorobenzene	<0.82		1.0	0.82	ug/L			04/09/16 10:06	1
1,1,1-Trichloroethane	<0.50		1.0	0.50	ug/L			04/09/16 10:06	1
1,1,2-Trichloroethane	<0.50		5.0	0.50	ug/L			04/09/16 10:06	1
Trichloroethene	**0.52**	**J**	1.0	0.50	ug/L			04/09/16 10:06	1
Trichlorofluoromethane	<0.52		1.0	0.52	ug/L			04/09/16 10:06	1
1,2,3-Trichloropropane	<0.84		5.0	0.84	ug/L			04/09/16 10:06	1
1,2,4-Trimethylbenzene	<0.82		1.0	0.82	ug/L			04/09/16 10:06	1
1,3,5-Trimethylbenzene	<0.56		1.0	0.56	ug/L			04/09/16 10:06	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			04/09/16 10:06	1
Xylenes, Total	<1.6		10	1.6	ug/L			04/09/16 10:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*78 -118*		*04/09/16 10:06*	*1*
Dibromofluoromethane	*99*		*81 -121*		*04/09/16 10:06*	*1*
Toluene-d8 (Surr)	*101*		*80 -120*		*04/09/16 10:06*	*1*

Client Sample ID: MW-45
Date Collected: 03/29/16 13:45
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-4
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		25	10	ug/L			04/09/16 12:38	1
Benzene	<0.38		1.0	0.38	ug/L			04/09/16 12:38	1
Bromobenzene	<0.54		1.0	0.54	ug/L			04/09/16 12:38	1
Bromoform	<0.71		5.0	0.71	ug/L			04/09/16 12:38	1
Bromomethane	<0.98		1.0	0.98	ug/L			04/09/16 12:38	1
2-Butanone (MEK)	<2.6		25	2.6	ug/L			04/09/16 12:38	1
Carbon disulfide	<0.50		1.0	0.50	ug/L			04/09/16 12:38	1
Carbon tetrachloride	<0.50		1.0	0.50	ug/L			04/09/16 12:38	1
Chlorobenzene	<0.50		1.0	0.50	ug/L			04/09/16 12:38	1
Chlorobromomethane	<0.52		1.0	0.52	ug/L			04/09/16 12:38	1
Chlorodibromomethane	<0.50		1.0	0.50	ug/L			04/09/16 12:38	1
Chloroethane	<0.76		1.0	0.76	ug/L			04/09/16 12:38	1
Chloroform	<0.60		1.0	0.60	ug/L			04/09/16 12:38	1
Chloromethane	<0.83		1.0	0.83	ug/L			04/09/16 12:38	1
2-Chlorotoluene	<0.57		1.0	0.57	ug/L			04/09/16 12:38	1
4-Chlorotoluene	<0.56		1.0	0.56	ug/L			04/09/16 12:38	1
cis-1,2-Dichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 12:38	1
cis-1,3-Dichloropropene	<0.50		5.0	0.50	ug/L			04/09/16 12:38	1
1,2-Dibromo-3-Chloropropane	<1.5		5.0	1.5	ug/L			04/09/16 12:38	1
Dibromomethane	<0.59		5.0	0.59	ug/L			04/09/16 12:38	1
1,2-Dichlorobenzene	<0.50		1.0	0.50	ug/L			04/09/16 12:38	1
1,3-Dichlorobenzene	<0.54		1.0	0.54	ug/L			04/09/16 12:38	1
1,4-Dichlorobenzene	<0.64		1.0	0.64	ug/L			04/09/16 12:38	1
Dichlorobromomethane	<0.50		1.0	0.50	ug/L			04/09/16 12:38	1
Dichlorodifluoromethane	<0.85		1.0	0.85	ug/L			04/09/16 12:38	1
1,1-Dichloroethane	<0.50		1.0	0.50	ug/L			04/09/16 12:38	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			04/09/16 12:38	1
1,1-Dichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 12:38	1
1,2-Dichloropropane	<0.50		1.0	0.50	ug/L			04/09/16 12:38	1
1,3-Dichloropropane	<0.50		1.0	0.50	ug/L			04/09/16 12:38	1
2,2-Dichloropropane	<0.50		1.0	0.50	ug/L			04/09/16 12:38	1
1,1-Dichloropropene	<0.50		1.0	0.50	ug/L			04/09/16 12:38	1
Ethylbenzene	<0.50		1.0	0.50	ug/L			04/09/16 12:38	1
Ethylene Dibromide	<0.50		1.0	0.50	ug/L			04/09/16 12:38	1
Hexachlorobutadiene	<0.90		5.0	0.90	ug/L			04/09/16 12:38	1
2-Hexanone	<3.1		25	3.1	ug/L			04/09/16 12:38	1
Isopropylbenzene	<0.53		1.0	0.53	ug/L			04/09/16 12:38	1
4-Isopropyltoluene	<0.71		1.0	0.71	ug/L			04/09/16 12:38	1
Methylene Chloride	<3.0		5.0	3.0	ug/L			04/09/16 12:38	1
4-Methyl-2-pentanone (MIBK)	<1.8		25	1.8	ug/L			04/09/16 12:38	1
Methyl tert-butyl ether	<0.74		1.0	0.74	ug/L			04/09/16 12:38	1
m-Xylene & p-Xylene	<1.6		5.0	1.6	ug/L			04/09/16 12:38	1
Naphthalene	<1.0		1.0	1.0	ug/L			04/09/16 12:38	1
n-Butylbenzene	<0.76		1.0	0.76	ug/L			04/09/16 12:38	1
N-Propylbenzene	<0.69		1.0	0.69	ug/L			04/09/16 12:38	1
o-Xylene	<0.60		5.0	0.60	ug/L			04/09/16 12:38	1
sec-Butylbenzene	<0.70		1.0	0.70	ug/L			04/09/16 12:38	1
Styrene	<1.0		1.0	1.0	ug/L			04/09/16 12:38	1
tert-Butylbenzene	<0.63		1.0	0.63	ug/L			04/09/16 12:38	1

Client Sample ID: MW-45
Date Collected: 03/29/16 13:45
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-4
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.52		1.0	0.52	ug/L			04/09/16 12:38	1
1,1,2,2-Tetrachloroethane	<0.50		1.0	0.50	ug/L			04/09/16 12:38	1
Tetrachloroethene	<0.58		1.0	0.58	ug/L			04/09/16 12:38	1
Toluene	<0.70		1.0	0.70	ug/L			04/09/16 12:38	1
trans-1,2-Dichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 12:38	1
trans-1,3-Dichloropropene	<0.50		5.0	0.50	ug/L			04/09/16 12:38	1
1,2,3-Trichlorobenzene	<0.70		1.0	0.70	ug/L			04/09/16 12:38	1
1,2,4-Trichlorobenzene	<0.82		1.0	0.82	ug/L			04/09/16 12:38	1
1,1,1-Trichloroethane	<0.50		1.0	0.50	ug/L			04/09/16 12:38	1
1,1,2-Trichloroethane	<0.50		5.0	0.50	ug/L			04/09/16 12:38	1
Trichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 12:38	1
Trichlorofluoromethane	<0.52		1.0	0.52	ug/L			04/09/16 12:38	1
1,2,3-Trichloropropane	<0.84		5.0	0.84	ug/L			04/09/16 12:38	1
1,2,4-Trimethylbenzene	<0.82		1.0	0.82	ug/L			04/09/16 12:38	1
1,3,5-Trimethylbenzene	<0.56		1.0	0.56	ug/L			04/09/16 12:38	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			04/09/16 12:38	1
Xylenes, Total	<1.6		10	1.6	ug/L			04/09/16 12:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*78 -118*		*04/09/16 12:38*	*1*
Dibromofluoromethane	*99*		*81 -121*		*04/09/16 12:38*	*1*
Toluene-d8 (Surr)	*100*		*80 -120*		*04/09/16 12:38*	*1*

Client Sample ID: MW-47
Date Collected: 03/29/16 14:35
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-5
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		25	10	ug/L			04/09/16 13:01	1
Benzene	<0.38		1.0	0.38	ug/L			04/09/16 13:01	1
Bromobenzene	<0.54		1.0	0.54	ug/L			04/09/16 13:01	1
Bromoform	<0.71		5.0	0.71	ug/L			04/09/16 13:01	1
Bromomethane	<0.98		1.0	0.98	ug/L			04/09/16 13:01	1
2-Butanone (MEK)	<2.6		25	2.6	ug/L			04/09/16 13:01	1
Carbon disulfide	<0.50		1.0	0.50	ug/L			04/09/16 13:01	1
Carbon tetrachloride	<0.50		1.0	0.50	ug/L			04/09/16 13:01	1
Chlorobenzene	<0.50		1.0	0.50	ug/L			04/09/16 13:01	1
Chlorobromomethane	<0.52		1.0	0.52	ug/L			04/09/16 13:01	1
Chlorodibromomethane	<0.50		1.0	0.50	ug/L			04/09/16 13:01	1
Chloroethane	<0.76		1.0	0.76	ug/L			04/09/16 13:01	1
Chloroform	<0.60		1.0	0.60	ug/L			04/09/16 13:01	1
Chloromethane	<0.83		1.0	0.83	ug/L			04/09/16 13:01	1
2-Chlorotoluene	<0.57		1.0	0.57	ug/L			04/09/16 13:01	1
4-Chlorotoluene	<0.56		1.0	0.56	ug/L			04/09/16 13:01	1
cis-1,2-Dichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 13:01	1
cis-1,3-Dichloropropene	<0.50		5.0	0.50	ug/L			04/09/16 13:01	1
1,2-Dibromo-3-Chloropropane	<1.5		5.0	1.5	ug/L			04/09/16 13:01	1
Dibromomethane	<0.59		5.0	0.59	ug/L			04/09/16 13:01	1
1,2-Dichlorobenzene	<0.50		1.0	0.50	ug/L			04/09/16 13:01	1
1,3-Dichlorobenzene	<0.54		1.0	0.54	ug/L			04/09/16 13:01	1
1,4-Dichlorobenzene	<0.64		1.0	0.64	ug/L			04/09/16 13:01	1
Dichlorobromomethane	<0.50		1.0	0.50	ug/L			04/09/16 13:01	1
Dichlorodifluoromethane	<0.85		1.0	0.85	ug/L			04/09/16 13:01	1
1,1-Dichloroethane	<0.50		1.0	0.50	ug/L			04/09/16 13:01	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			04/09/16 13:01	1
1,1-Dichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 13:01	1
1,2-Dichloropropane	<0.50		1.0	0.50	ug/L			04/09/16 13:01	1
1,3-Dichloropropane	<0.50		1.0	0.50	ug/L			04/09/16 13:01	1
2,2-Dichloropropane	<0.50		1.0	0.50	ug/L			04/09/16 13:01	1
1,1-Dichloropropene	<0.50		1.0	0.50	ug/L			04/09/16 13:01	1
Ethylbenzene	<0.50		1.0	0.50	ug/L			04/09/16 13:01	1
Ethylene Dibromide	<0.50		1.0	0.50	ug/L			04/09/16 13:01	1
Hexachlorobutadiene	<0.90		5.0	0.90	ug/L			04/09/16 13:01	1
2-Hexanone	<3.1		25	3.1	ug/L			04/09/16 13:01	1
Isopropylbenzene	<0.53		1.0	0.53	ug/L			04/09/16 13:01	1
4-Isopropyltoluene	<0.71		1.0	0.71	ug/L			04/09/16 13:01	1
Methylene Chloride	<3.0		5.0	3.0	ug/L			04/09/16 13:01	1
4-Methyl-2-pentanone (MIBK)	<1.8		25	1.8	ug/L			04/09/16 13:01	1
Methyl tert-butyl ether	<0.74		1.0	0.74	ug/L			04/09/16 13:01	1
m-Xylene & p-Xylene	<1.6		5.0	1.6	ug/L			04/09/16 13:01	1
Naphthalene	<1.0		1.0	1.0	ug/L			04/09/16 13:01	1
n-Butylbenzene	<0.76		1.0	0.76	ug/L			04/09/16 13:01	1
N-Propylbenzene	<0.69		1.0	0.69	ug/L			04/09/16 13:01	1
o-Xylene	<0.60		5.0	0.60	ug/L			04/09/16 13:01	1
sec-Butylbenzene	<0.70		1.0	0.70	ug/L			04/09/16 13:01	1
Styrene	<1.0		1.0	1.0	ug/L			04/09/16 13:01	1
tert-Butylbenzene	<0.63		1.0	0.63	ug/L			04/09/16 13:01	1

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-1

Client Sample ID: MW-47
Date Collected: 03/29/16 14:35
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-5
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.52		1.0	0.52	ug/L			04/09/16 13:01	1
1,1,2,2-Tetrachloroethane	<0.50		1.0	0.50	ug/L			04/09/16 13:01	1
Tetrachloroethene	<0.58		1.0	0.58	ug/L			04/09/16 13:01	1
Toluene	<0.70		1.0	0.70	ug/L			04/09/16 13:01	1
trans-1,2-Dichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 13:01	1
trans-1,3-Dichloropropene	<0.50		5.0	0.50	ug/L			04/09/16 13:01	1
1,2,3-Trichlorobenzene	<0.70		1.0	0.70	ug/L			04/09/16 13:01	1
1,2,4-Trichlorobenzene	<0.82		1.0	0.82	ug/L			04/09/16 13:01	1
1,1,1-Trichloroethane	<0.50		1.0	0.50	ug/L			04/09/16 13:01	1
1,1,2-Trichloroethane	<0.50		5.0	0.50	ug/L			04/09/16 13:01	1
Trichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 13:01	1
Trichlorofluoromethane	<0.52		1.0	0.52	ug/L			04/09/16 13:01	1
1,2,3-Trichloropropane	<0.84		5.0	0.84	ug/L			04/09/16 13:01	1
1,2,4-Trimethylbenzene	<0.82		1.0	0.82	ug/L			04/09/16 13:01	1
1,3,5-Trimethylbenzene	<0.56		1.0	0.56	ug/L			04/09/16 13:01	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			04/09/16 13:01	1
Xylenes, Total	<1.6		10	1.6	ug/L			04/09/16 13:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*78 -118*		*04/09/16 13:01*	*1*
Dibromofluoromethane	*99*		*81 -121*		*04/09/16 13:01*	*1*
Toluene-d8 (Surr)	*99*		*80 -120*		*04/09/16 13:01*	*1*

Client Sample ID: MW-31D
Date Collected: 03/29/16 15:52
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-6
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		25	10	ug/L			04/09/16 13:25	1
Benzene	<0.38		1.0	0.38	ug/L			04/09/16 13:25	1
Bromobenzene	<0.54		1.0	0.54	ug/L			04/09/16 13:25	1
Bromoform	<0.71		5.0	0.71	ug/L			04/09/16 13:25	1
Bromomethane	<0.98		1.0	0.98	ug/L			04/09/16 13:25	1
2-Butanone (MEK)	<2.6		25	2.6	ug/L			04/09/16 13:25	1
Carbon disulfide	<0.50		1.0	0.50	ug/L			04/09/16 13:25	1
Carbon tetrachloride	<0.50		1.0	0.50	ug/L			04/09/16 13:25	1
Chlorobenzene	<0.50		1.0	0.50	ug/L			04/09/16 13:25	1
Chlorobromomethane	<0.52		1.0	0.52	ug/L			04/09/16 13:25	1
Chlorodibromomethane	<0.50		1.0	0.50	ug/L			04/09/16 13:25	1
Chloroethane	<0.76		1.0	0.76	ug/L			04/09/16 13:25	1
Chloroform	<0.60		1.0	0.60	ug/L			04/09/16 13:25	1
Chloromethane	<0.83		1.0	0.83	ug/L			04/09/16 13:25	1
2-Chlorotoluene	<0.57		1.0	0.57	ug/L			04/09/16 13:25	1
4-Chlorotoluene	<0.56		1.0	0.56	ug/L			04/09/16 13:25	1
cis-1,2-Dichloroethene	**14**		1.0	0.50	ug/L			04/09/16 13:25	1
cis-1,3-Dichloropropene	<0.50		5.0	0.50	ug/L			04/09/16 13:25	1
1,2-Dibromo-3-Chloropropane	<1.5		5.0	1.5	ug/L			04/09/16 13:25	1
Dibromomethane	<0.59		5.0	0.59	ug/L			04/09/16 13:25	1
1,2-Dichlorobenzene	<0.50		1.0	0.50	ug/L			04/09/16 13:25	1
1,3-Dichlorobenzene	<0.54		1.0	0.54	ug/L			04/09/16 13:25	1
1,4-Dichlorobenzene	<0.64		1.0	0.64	ug/L			04/09/16 13:25	1
Dichlorobromomethane	<0.50		1.0	0.50	ug/L			04/09/16 13:25	1
Dichlorodifluoromethane	<0.85		1.0	0.85	ug/L			04/09/16 13:25	1
1,1-Dichloroethane	<0.50		1.0	0.50	ug/L			04/09/16 13:25	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			04/09/16 13:25	1
1,1-Dichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 13:25	1
1,2-Dichloropropane	<0.50		1.0	0.50	ug/L			04/09/16 13:25	1
1,3-Dichloropropane	<0.50		1.0	0.50	ug/L			04/09/16 13:25	1
2,2-Dichloropropane	<0.50		1.0	0.50	ug/L			04/09/16 13:25	1
1,1-Dichloropropene	<0.50		1.0	0.50	ug/L			04/09/16 13:25	1
Ethylbenzene	<0.50		1.0	0.50	ug/L			04/09/16 13:25	1
Ethylene Dibromide	<0.50		1.0	0.50	ug/L			04/09/16 13:25	1
Hexachlorobutadiene	<0.90		5.0	0.90	ug/L			04/09/16 13:25	1
2-Hexanone	<3.1		25	3.1	ug/L			04/09/16 13:25	1
Isopropylbenzene	<0.53		1.0	0.53	ug/L			04/09/16 13:25	1
4-Isopropyltoluene	<0.71		1.0	0.71	ug/L			04/09/16 13:25	1
Methylene Chloride	<3.0		5.0	3.0	ug/L			04/09/16 13:25	1
4-Methyl-2-pentanone (MIBK)	<1.8		25	1.8	ug/L			04/09/16 13:25	1
Methyl tert-butyl ether	<0.74		1.0	0.74	ug/L			04/09/16 13:25	1
m-Xylene & p-Xylene	<1.6		5.0	1.6	ug/L			04/09/16 13:25	1
Naphthalene	<1.0		1.0	1.0	ug/L			04/09/16 13:25	1
n-Butylbenzene	<0.76		1.0	0.76	ug/L			04/09/16 13:25	1
N-Propylbenzene	<0.69		1.0	0.69	ug/L			04/09/16 13:25	1
o-Xylene	<0.60		5.0	0.60	ug/L			04/09/16 13:25	1
sec-Butylbenzene	<0.70		1.0	0.70	ug/L			04/09/16 13:25	1
Styrene	<1.0		1.0	1.0	ug/L			04/09/16 13:25	1
tert-Butylbenzene	<0.63		1.0	0.63	ug/L			04/09/16 13:25	1

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-1

Client Sample ID: MW-31D
Date Collected: 03/29/16 15:52
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-6
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.52		1.0	0.52	ug/L			04/09/16 13:25	1
1,1,2,2-Tetrachloroethane	<0.50		1.0	0.50	ug/L			04/09/16 13:25	1
Tetrachloroethene	<0.58		1.0	0.58	ug/L			04/09/16 13:25	1
Toluene	<0.70		1.0	0.70	ug/L			04/09/16 13:25	1
trans-1,2-Dichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 13:25	1
trans-1,3-Dichloropropene	<0.50		5.0	0.50	ug/L			04/09/16 13:25	1
1,2,3-Trichlorobenzene	<0.70		1.0	0.70	ug/L			04/09/16 13:25	1
1,2,4-Trichlorobenzene	<0.82		1.0	0.82	ug/L			04/09/16 13:25	1
1,1,1-Trichloroethane	<0.50		1.0	0.50	ug/L			04/09/16 13:25	1
1,1,2-Trichloroethane	<0.50		5.0	0.50	ug/L			04/09/16 13:25	1
Trichloroethene	**63**		1.0	0.50	ug/L			04/09/16 13:25	1
Trichlorofluoromethane	<0.52		1.0	0.52	ug/L			04/09/16 13:25	1
1,2,3-Trichloropropane	<0.84		5.0	0.84	ug/L			04/09/16 13:25	1
1,2,4-Trimethylbenzene	<0.82		1.0	0.82	ug/L			04/09/16 13:25	1
1,3,5-Trimethylbenzene	<0.56		1.0	0.56	ug/L			04/09/16 13:25	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			04/09/16 13:25	1
Xylenes, Total	<1.6		10	1.6	ug/L			04/09/16 13:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*78 -118*		*04/09/16 13:25*	*1*
Dibromofluoromethane	*100*		*81 -121*		*04/09/16 13:25*	*1*
Toluene-d8 (Surr)	*101*		*80 -120*		*04/09/16 13:25*	*1*

Client Sample ID: MW-31S
Date Collected: 03/29/16 17:05
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-7
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		25	10	ug/L			04/09/16 13:50	1
Benzene	<0.38		1.0	0.38	ug/L			04/09/16 13:50	1
Bromobenzene	<0.54		1.0	0.54	ug/L			04/09/16 13:50	1
Bromoform	<0.71		5.0	0.71	ug/L			04/09/16 13:50	1
Bromomethane	<0.98		1.0	0.98	ug/L			04/09/16 13:50	1
2-Butanone (MEK)	<2.6		25	2.6	ug/L			04/09/16 13:50	1
Carbon disulfide	<0.50		1.0	0.50	ug/L			04/09/16 13:50	1
Carbon tetrachloride	<0.50		1.0	0.50	ug/L			04/09/16 13:50	1
Chlorobenzene	<0.50		1.0	0.50	ug/L			04/09/16 13:50	1
Chlorobromomethane	<0.52		1.0	0.52	ug/L			04/09/16 13:50	1
Chlorodibromomethane	<0.50		1.0	0.50	ug/L			04/09/16 13:50	1
Chloroethane	<0.76		1.0	0.76	ug/L			04/09/16 13:50	1
Chloroform	<0.60		1.0	0.60	ug/L			04/09/16 13:50	1
Chloromethane	<0.83		1.0	0.83	ug/L			04/09/16 13:50	1
2-Chlorotoluene	<0.57		1.0	0.57	ug/L			04/09/16 13:50	1
4-Chlorotoluene	<0.56		1.0	0.56	ug/L			04/09/16 13:50	1
cis-1,2-Dichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 13:50	1
cis-1,3-Dichloropropene	<0.50		5.0	0.50	ug/L			04/09/16 13:50	1
1,2-Dibromo-3-Chloropropane	<1.5		5.0	1.5	ug/L			04/09/16 13:50	1
Dibromomethane	<0.59		5.0	0.59	ug/L			04/09/16 13:50	1
1,2-Dichlorobenzene	<0.50		1.0	0.50	ug/L			04/09/16 13:50	1
1,3-Dichlorobenzene	<0.54		1.0	0.54	ug/L			04/09/16 13:50	1
1,4-Dichlorobenzene	<0.64		1.0	0.64	ug/L			04/09/16 13:50	1
Dichlorobromomethane	<0.50		1.0	0.50	ug/L			04/09/16 13:50	1
Dichlorodifluoromethane	<0.85		1.0	0.85	ug/L			04/09/16 13:50	1
1,1-Dichloroethane	<0.50		1.0	0.50	ug/L			04/09/16 13:50	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			04/09/16 13:50	1
1,1-Dichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 13:50	1
1,2-Dichloropropane	<0.50		1.0	0.50	ug/L			04/09/16 13:50	1
1,3-Dichloropropane	<0.50		1.0	0.50	ug/L			04/09/16 13:50	1
2,2-Dichloropropane	<0.50		1.0	0.50	ug/L			04/09/16 13:50	1
1,1-Dichloropropene	<0.50		1.0	0.50	ug/L			04/09/16 13:50	1
Ethylbenzene	<0.50		1.0	0.50	ug/L			04/09/16 13:50	1
Ethylene Dibromide	<0.50		1.0	0.50	ug/L			04/09/16 13:50	1
Hexachlorobutadiene	<0.90		5.0	0.90	ug/L			04/09/16 13:50	1
2-Hexanone	<3.1		25	3.1	ug/L			04/09/16 13:50	1
Isopropylbenzene	<0.53		1.0	0.53	ug/L			04/09/16 13:50	1
4-Isopropyltoluene	<0.71		1.0	0.71	ug/L			04/09/16 13:50	1
Methylene Chloride	<3.0		5.0	3.0	ug/L			04/09/16 13:50	1
4-Methyl-2-pentanone (MIBK)	<1.8		25	1.8	ug/L			04/09/16 13:50	1
Methyl tert-butyl ether	<0.74		1.0	0.74	ug/L			04/09/16 13:50	1
m-Xylene & p-Xylene	<1.6		5.0	1.6	ug/L			04/09/16 13:50	1
Naphthalene	<1.0		1.0	1.0	ug/L			04/09/16 13:50	1
n-Butylbenzene	<0.76		1.0	0.76	ug/L			04/09/16 13:50	1
N-Propylbenzene	<0.69		1.0	0.69	ug/L			04/09/16 13:50	1
o-Xylene	<0.60		5.0	0.60	ug/L			04/09/16 13:50	1
sec-Butylbenzene	<0.70		1.0	0.70	ug/L			04/09/16 13:50	1
Styrene	<1.0		1.0	1.0	ug/L			04/09/16 13:50	1
tert-Butylbenzene	<0.63		1.0	0.63	ug/L			04/09/16 13:50	1

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-1

Client Sample ID: MW-31S
Date Collected: 03/29/16 17:05
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-7
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.52		1.0	0.52	ug/L			04/09/16 13:50	1
1,1,2,2-Tetrachloroethane	<0.50		1.0	0.50	ug/L			04/09/16 13:50	1
Tetrachloroethene	<0.58		1.0	0.58	ug/L			04/09/16 13:50	1
Toluene	<0.70		1.0	0.70	ug/L			04/09/16 13:50	1
trans-1,2-Dichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 13:50	1
trans-1,3-Dichloropropene	<0.50		5.0	0.50	ug/L			04/09/16 13:50	1
1,2,3-Trichlorobenzene	<0.70		1.0	0.70	ug/L			04/09/16 13:50	1
1,2,4-Trichlorobenzene	<0.82		1.0	0.82	ug/L			04/09/16 13:50	1
1,1,1-Trichloroethane	<0.50		1.0	0.50	ug/L			04/09/16 13:50	1
1,1,2-Trichloroethane	<0.50		5.0	0.50	ug/L			04/09/16 13:50	1
Trichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 13:50	1
Trichlorofluoromethane	<0.52		1.0	0.52	ug/L			04/09/16 13:50	1
1,2,3-Trichloropropane	<0.84		5.0	0.84	ug/L			04/09/16 13:50	1
1,2,4-Trimethylbenzene	<0.82		1.0	0.82	ug/L			04/09/16 13:50	1
1,3,5-Trimethylbenzene	<0.56		1.0	0.56	ug/L			04/09/16 13:50	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			04/09/16 13:50	1
Xylenes, Total	<1.6		10	1.6	ug/L			04/09/16 13:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*78 -118*		*04/09/16 13:50*	*1*
Dibromofluoromethane	*102*		*81 -121*		*04/09/16 13:50*	*1*
Toluene-d8 (Surr)	*99*		*80 -120*		*04/09/16 13:50*	*1*

Client Sample ID: MW-22S
Date Collected: 03/30/16 08:40
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-8
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<100		250	100	ug/L			04/09/16 19:32	10
Benzene	<3.8		10	3.8	ug/L			04/09/16 19:32	10
Bromobenzene	<5.4		10	5.4	ug/L			04/09/16 19:32	10
Bromoform	<7.1		50	7.1	ug/L			04/09/16 19:32	10
Bromomethane	<9.8		10	9.8	ug/L			04/09/16 19:32	10
2-Butanone (MEK)	<26		250	26	ug/L			04/09/16 19:32	10
Carbon disulfide	<5.0		10	5.0	ug/L			04/09/16 19:32	10
Carbon tetrachloride	<5.0		10	5.0	ug/L			04/09/16 19:32	10
Chlorobenzene	<5.0		10	5.0	ug/L			04/09/16 19:32	10
Chlorobromomethane	<5.2		10	5.2	ug/L			04/09/16 19:32	10
Chlorodibromomethane	<5.0		10	5.0	ug/L			04/09/16 19:32	10
Chloroethane	<7.6		10	7.6	ug/L			04/09/16 19:32	10
Chloroform	<6.0		10	6.0	ug/L			04/09/16 19:32	10
Chloromethane	<8.3		10	8.3	ug/L			04/09/16 19:32	10
2-Chlorotoluene	<5.7		10	5.7	ug/L			04/09/16 19:32	10
4-Chlorotoluene	<5.6		10	5.6	ug/L			04/09/16 19:32	10
cis-1,2-Dichloroethene	**130**		10	5.0	ug/L			04/09/16 19:32	10
cis-1,3-Dichloropropene	<5.0		50	5.0	ug/L			04/09/16 19:32	10
1,2-Dibromo-3-Chloropropane	<15		50	15	ug/L			04/09/16 19:32	10
Dibromomethane	<5.9		50	5.9	ug/L			04/09/16 19:32	10
1,2-Dichlorobenzene	<5.0		10	5.0	ug/L			04/09/16 19:32	10
1,3-Dichlorobenzene	<5.4		10	5.4	ug/L			04/09/16 19:32	10
1,4-Dichlorobenzene	<6.4		10	6.4	ug/L			04/09/16 19:32	10
Dichlorobromomethane	<5.0		10	5.0	ug/L			04/09/16 19:32	10
Dichlorodifluoromethane	<8.5		10	8.5	ug/L			04/09/16 19:32	10
1,1-Dichloroethane	<5.0		10	5.0	ug/L			04/09/16 19:32	10
1,2-Dichloroethane	<5.0		10	5.0	ug/L			04/09/16 19:32	10
1,1-Dichloroethene	<5.0		10	5.0	ug/L			04/09/16 19:32	10
1,2-Dichloropropane	<5.0		10	5.0	ug/L			04/09/16 19:32	10
1,3-Dichloropropane	<5.0		10	5.0	ug/L			04/09/16 19:32	10
2,2-Dichloropropane	<5.0		10	5.0	ug/L			04/09/16 19:32	10
1,1-Dichloropropene	<5.0		10	5.0	ug/L			04/09/16 19:32	10
Ethylbenzene	<5.0		10	5.0	ug/L			04/09/16 19:32	10
Ethylene Dibromide	<5.0		10	5.0	ug/L			04/09/16 19:32	10
Hexachlorobutadiene	<9.0		50	9.0	ug/L			04/09/16 19:32	10
2-Hexanone	<31		250	31	ug/L			04/09/16 19:32	10
Isopropylbenzene	<5.3		10	5.3	ug/L			04/09/16 19:32	10
4-Isopropyltoluene	<7.1		10	7.1	ug/L			04/09/16 19:32	10
Methylene Chloride	<30		50	30	ug/L			04/09/16 19:32	10
4-Methyl-2-pentanone (MIBK)	<18		250	18	ug/L			04/09/16 19:32	10
Methyl tert-butyl ether	<7.4		10	7.4	ug/L			04/09/16 19:32	10
m-Xylene & p-Xylene	<16		50	16	ug/L			04/09/16 19:32	10
Naphthalene	<10		10	10	ug/L			04/09/16 19:32	10
n-Butylbenzene	<7.6		10	7.6	ug/L			04/09/16 19:32	10
N-Propylbenzene	<6.9		10	6.9	ug/L			04/09/16 19:32	10
o-Xylene	<6.0		50	6.0	ug/L			04/09/16 19:32	10
sec-Butylbenzene	<7.0		10	7.0	ug/L			04/09/16 19:32	10
Styrene	<10		10	10	ug/L			04/09/16 19:32	10
tert-Butylbenzene	<6.3		10	6.3	ug/L			04/09/16 19:32	10

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-1

Client Sample ID: MW-22S
Date Collected: 03/30/16 08:40
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-8
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<5.2		10	5.2	ug/L			04/09/16 19:32	10
1,1,2,2-Tetrachloroethane	<5.0		10	5.0	ug/L			04/09/16 19:32	10
Tetrachloroethene	<5.8		10	5.8	ug/L			04/09/16 19:32	10
Toluene	<7.0		10	7.0	ug/L			04/09/16 19:32	10
trans-1,2-Dichloroethene	<5.0		10	5.0	ug/L			04/09/16 19:32	10
trans-1,3-Dichloropropene	<5.0		50	5.0	ug/L			04/09/16 19:32	10
1,2,3-Trichlorobenzene	<7.0		10	7.0	ug/L			04/09/16 19:32	10
1,2,4-Trichlorobenzene	<8.2		10	8.2	ug/L			04/09/16 19:32	10
1,1,1-Trichloroethane	<5.0		10	5.0	ug/L			04/09/16 19:32	10
1,1,2-Trichloroethane	<5.0		50	5.0	ug/L			04/09/16 19:32	10
Trichloroethene	**1600**		10	5.0	ug/L			04/09/16 19:32	10
Trichlorofluoromethane	<5.2		10	5.2	ug/L			04/09/16 19:32	10
1,2,3-Trichloropropane	<8.4		50	8.4	ug/L			04/09/16 19:32	10
1,2,4-Trimethylbenzene	<8.2		10	8.2	ug/L			04/09/16 19:32	10
1,3,5-Trimethylbenzene	<5.6		10	5.6	ug/L			04/09/16 19:32	10
Vinyl chloride	<5.0		10	5.0	ug/L			04/09/16 19:32	10
Xylenes, Total	<16		100	16	ug/L			04/09/16 19:32	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*78 -118*		*04/09/16 19:32*	*10*
Dibromofluoromethane	*97*		*81 -121*		*04/09/16 19:32*	*10*
Toluene-d8 (Surr)	*102*		*80 -120*		*04/09/16 19:32*	*10*

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-1

Client Sample ID: MW-22D
Date Collected: 03/30/16 09:05
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-9
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<50		130	50	ug/L			04/09/16 18:06	5
Benzene	<1.9		5.0	1.9	ug/L			04/09/16 18:06	5
Bromobenzene	<2.7		5.0	2.7	ug/L			04/09/16 18:06	5
Bromoform	<3.6		25	3.6	ug/L			04/09/16 18:06	5
Bromomethane	<4.9		5.0	4.9	ug/L			04/09/16 18:06	5
2-Butanone (MEK)	<13		130	13	ug/L			04/09/16 18:06	5
Carbon disulfide	<2.5		5.0	2.5	ug/L			04/09/16 18:06	5
Carbon tetrachloride	<2.5		5.0	2.5	ug/L			04/09/16 18:06	5
Chlorobenzene	<2.5		5.0	2.5	ug/L			04/09/16 18:06	5
Chlorobromomethane	<2.6		5.0	2.6	ug/L			04/09/16 18:06	5
Chlorodibromomethane	<2.5		5.0	2.5	ug/L			04/09/16 18:06	5
Chloroethane	<3.8		5.0	3.8	ug/L			04/09/16 18:06	5
Chloroform	<3.0		5.0	3.0	ug/L			04/09/16 18:06	5
Chloromethane	<4.2		5.0	4.2	ug/L			04/09/16 18:06	5
2-Chlorotoluene	<2.9		5.0	2.9	ug/L			04/09/16 18:06	5
4-Chlorotoluene	<2.8		5.0	2.8	ug/L			04/09/16 18:06	5
cis-1,2-Dichloroethene	**65**		5.0	2.5	ug/L			04/09/16 18:06	5
cis-1,3-Dichloropropene	<2.5		25	2.5	ug/L			04/09/16 18:06	5
1,2-Dibromo-3-Chloropropane	<7.5		25	7.5	ug/L			04/09/16 18:06	5
Dibromomethane	<3.0		25	3.0	ug/L			04/09/16 18:06	5
1,2-Dichlorobenzene	<2.5		5.0	2.5	ug/L			04/09/16 18:06	5
1,3-Dichlorobenzene	<2.7		5.0	2.7	ug/L			04/09/16 18:06	5
1,4-Dichlorobenzene	<3.2		5.0	3.2	ug/L			04/09/16 18:06	5
Dichlorobromomethane	<2.5		5.0	2.5	ug/L			04/09/16 18:06	5
Dichlorodifluoromethane	<4.3		5.0	4.3	ug/L			04/09/16 18:06	5
1,1-Dichloroethane	<2.5		5.0	2.5	ug/L			04/09/16 18:06	5
1,2-Dichloroethane	<2.5		5.0	2.5	ug/L			04/09/16 18:06	5
1,1-Dichloroethene	<2.5		5.0	2.5	ug/L			04/09/16 18:06	5
1,2-Dichloropropane	<2.5		5.0	2.5	ug/L			04/09/16 18:06	5
1,3-Dichloropropane	<2.5		5.0	2.5	ug/L			04/09/16 18:06	5
2,2-Dichloropropane	<2.5		5.0	2.5	ug/L			04/09/16 18:06	5
1,1-Dichloropropene	<2.5		5.0	2.5	ug/L			04/09/16 18:06	5
Ethylbenzene	<2.5		5.0	2.5	ug/L			04/09/16 18:06	5
Ethylene Dibromide	<2.5		5.0	2.5	ug/L			04/09/16 18:06	5
Hexachlorobutadiene	<4.5		25	4.5	ug/L			04/09/16 18:06	5
2-Hexanone	<16		130	16	ug/L			04/09/16 18:06	5
Isopropylbenzene	<2.7		5.0	2.7	ug/L			04/09/16 18:06	5
4-Isopropyltoluene	<3.6		5.0	3.6	ug/L			04/09/16 18:06	5
Methylene Chloride	<15		25	15	ug/L			04/09/16 18:06	5
4-Methyl-2-pentanone (MIBK)	<9.0		130	9.0	ug/L			04/09/16 18:06	5
Methyl tert-butyl ether	<3.7		5.0	3.7	ug/L			04/09/16 18:06	5
m-Xylene & p-Xylene	<8.0		25	8.0	ug/L			04/09/16 18:06	5
Naphthalene	<5.0		5.0	5.0	ug/L			04/09/16 18:06	5
n-Butylbenzene	<3.8		5.0	3.8	ug/L			04/09/16 18:06	5
N-Propylbenzene	<3.5		5.0	3.5	ug/L			04/09/16 18:06	5
o-Xylene	<3.0		25	3.0	ug/L			04/09/16 18:06	5
sec-Butylbenzene	<3.5		5.0	3.5	ug/L			04/09/16 18:06	5
Styrene	<5.0		5.0	5.0	ug/L			04/09/16 18:06	5
tert-Butylbenzene	<3.2		5.0	3.2	ug/L			04/09/16 18:06	5

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-1

Client Sample ID: MW-22D
Date Collected: 03/30/16 09:05
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-9
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<2.6		5.0	2.6	ug/L			04/09/16 18:06	5
1,1,2,2-Tetrachloroethane	<2.5		5.0	2.5	ug/L			04/09/16 18:06	5
Tetrachloroethene	<2.9		5.0	2.9	ug/L			04/09/16 18:06	5
Toluene	<3.5		5.0	3.5	ug/L			04/09/16 18:06	5
trans-1,2-Dichloroethene	<2.5		5.0	2.5	ug/L			04/09/16 18:06	5
trans-1,3-Dichloropropene	<2.5		25	2.5	ug/L			04/09/16 18:06	5
1,2,3-Trichlorobenzene	<3.5		5.0	3.5	ug/L			04/09/16 18:06	5
1,2,4-Trichlorobenzene	<4.1		5.0	4.1	ug/L			04/09/16 18:06	5
1,1,1-Trichloroethane	<2.5		5.0	2.5	ug/L			04/09/16 18:06	5
1,1,2-Trichloroethane	<2.5		25	2.5	ug/L			04/09/16 18:06	5
Trichloroethene	**680**		5.0	2.5	ug/L			04/09/16 18:06	5
Trichlorofluoromethane	<2.6		5.0	2.6	ug/L			04/09/16 18:06	5
1,2,3-Trichloropropane	<4.2		25	4.2	ug/L			04/09/16 18:06	5
1,2,4-Trimethylbenzene	<4.1		5.0	4.1	ug/L			04/09/16 18:06	5
1,3,5-Trimethylbenzene	<2.8		5.0	2.8	ug/L			04/09/16 18:06	5
Vinyl chloride	<2.5		5.0	2.5	ug/L			04/09/16 18:06	5
Xylenes, Total	<8.0		50	8.0	ug/L			04/09/16 18:06	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*78 -118*		*04/09/16 18:06*	*5*
Dibromofluoromethane	*98*		*81 -121*		*04/09/16 18:06*	*5*
Toluene-d8 (Surr)	*101*		*80 -120*		*04/09/16 18:06*	*5*

Client Sample ID: MW-41
Date Collected: 03/30/16 09:45
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-10
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<50		130	50	ug/L			04/09/16 18:28	5
Benzene	<1.9		5.0	1.9	ug/L			04/09/16 18:28	5
Bromobenzene	<2.7		5.0	2.7	ug/L			04/09/16 18:28	5
Bromoform	<3.6		25	3.6	ug/L			04/09/16 18:28	5
Bromomethane	<4.9		5.0	4.9	ug/L			04/09/16 18:28	5
2-Butanone (MEK)	<13		130	13	ug/L			04/09/16 18:28	5
Carbon disulfide	<2.5		5.0	2.5	ug/L			04/09/16 18:28	5
Carbon tetrachloride	<2.5		5.0	2.5	ug/L			04/09/16 18:28	5
Chlorobenzene	<2.5		5.0	2.5	ug/L			04/09/16 18:28	5
Chlorobromomethane	<2.6		5.0	2.6	ug/L			04/09/16 18:28	5
Chlorodibromomethane	<2.5		5.0	2.5	ug/L			04/09/16 18:28	5
Chloroethane	<3.8		5.0	3.8	ug/L			04/09/16 18:28	5
Chloroform	<3.0		5.0	3.0	ug/L			04/09/16 18:28	5
Chloromethane	<4.2		5.0	4.2	ug/L			04/09/16 18:28	5
2-Chlorotoluene	<2.9		5.0	2.9	ug/L			04/09/16 18:28	5
4-Chlorotoluene	<2.8		5.0	2.8	ug/L			04/09/16 18:28	5
cis-1,2-Dichloroethene	**59**		5.0	2.5	ug/L			04/09/16 18:28	5
cis-1,3-Dichloropropene	<2.5		25	2.5	ug/L			04/09/16 18:28	5
1,2-Dibromo-3-Chloropropane	<7.5		25	7.5	ug/L			04/09/16 18:28	5
Dibromomethane	<3.0		25	3.0	ug/L			04/09/16 18:28	5
1,2-Dichlorobenzene	<2.5		5.0	2.5	ug/L			04/09/16 18:28	5
1,3-Dichlorobenzene	<2.7		5.0	2.7	ug/L			04/09/16 18:28	5
1,4-Dichlorobenzene	<3.2		5.0	3.2	ug/L			04/09/16 18:28	5
Dichlorobromomethane	<2.5		5.0	2.5	ug/L			04/09/16 18:28	5
Dichlorodifluoromethane	<4.3		5.0	4.3	ug/L			04/09/16 18:28	5
1,1-Dichloroethane	<2.5		5.0	2.5	ug/L			04/09/16 18:28	5
1,2-Dichloroethane	<2.5		5.0	2.5	ug/L			04/09/16 18:28	5
1,1-Dichloroethene	<2.5		5.0	2.5	ug/L			04/09/16 18:28	5
1,2-Dichloropropane	<2.5		5.0	2.5	ug/L			04/09/16 18:28	5
1,3-Dichloropropane	<2.5		5.0	2.5	ug/L			04/09/16 18:28	5
2,2-Dichloropropane	<2.5		5.0	2.5	ug/L			04/09/16 18:28	5
1,1-Dichloropropene	<2.5		5.0	2.5	ug/L			04/09/16 18:28	5
Ethylbenzene	<2.5		5.0	2.5	ug/L			04/09/16 18:28	5
Ethylene Dibromide	<2.5		5.0	2.5	ug/L			04/09/16 18:28	5
Hexachlorobutadiene	<4.5		25	4.5	ug/L			04/09/16 18:28	5
2-Hexanone	<16		130	16	ug/L			04/09/16 18:28	5
Isopropylbenzene	<2.7		5.0	2.7	ug/L			04/09/16 18:28	5
4-Isopropyltoluene	<3.6		5.0	3.6	ug/L			04/09/16 18:28	5
Methylene Chloride	<15		25	15	ug/L			04/09/16 18:28	5
4-Methyl-2-pentanone (MIBK)	<9.0		130	9.0	ug/L			04/09/16 18:28	5
Methyl tert-butyl ether	<3.7		5.0	3.7	ug/L			04/09/16 18:28	5
m-Xylene & p-Xylene	<8.0		25	8.0	ug/L			04/09/16 18:28	5
Naphthalene	<5.0		5.0	5.0	ug/L			04/09/16 18:28	5
n-Butylbenzene	<3.8		5.0	3.8	ug/L			04/09/16 18:28	5
N-Propylbenzene	<3.5		5.0	3.5	ug/L			04/09/16 18:28	5
o-Xylene	<3.0		25	3.0	ug/L			04/09/16 18:28	5
sec-Butylbenzene	<3.5		5.0	3.5	ug/L			04/09/16 18:28	5
Styrene	<5.0		5.0	5.0	ug/L			04/09/16 18:28	5
tert-Butylbenzene	<3.2		5.0	3.2	ug/L			04/09/16 18:28	5

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-1

Client Sample ID: MW-41
Date Collected: 03/30/16 09:45
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-10
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<2.6		5.0	2.6	ug/L			04/09/16 18:28	5
1,1,2,2-Tetrachloroethane	<2.5		5.0	2.5	ug/L			04/09/16 18:28	5
Tetrachloroethene	<2.9		5.0	2.9	ug/L			04/09/16 18:28	5
Toluene	<3.5		5.0	3.5	ug/L			04/09/16 18:28	5
trans-1,2-Dichloroethene	<2.5		5.0	2.5	ug/L			04/09/16 18:28	5
trans-1,3-Dichloropropene	<2.5		25	2.5	ug/L			04/09/16 18:28	5
1,2,3-Trichlorobenzene	<3.5		5.0	3.5	ug/L			04/09/16 18:28	5
1,2,4-Trichlorobenzene	<4.1		5.0	4.1	ug/L			04/09/16 18:28	5
1,1,1-Trichloroethane	<2.5		5.0	2.5	ug/L			04/09/16 18:28	5
1,1,2-Trichloroethane	<2.5		25	2.5	ug/L			04/09/16 18:28	5
Trichloroethene	**640**		5.0	2.5	ug/L			04/09/16 18:28	5
Trichlorofluoromethane	<2.6		5.0	2.6	ug/L			04/09/16 18:28	5
1,2,3-Trichloropropane	<4.2		25	4.2	ug/L			04/09/16 18:28	5
1,2,4-Trimethylbenzene	<4.1		5.0	4.1	ug/L			04/09/16 18:28	5
1,3,5-Trimethylbenzene	<2.8		5.0	2.8	ug/L			04/09/16 18:28	5
Vinyl chloride	<2.5		5.0	2.5	ug/L			04/09/16 18:28	5
Xylenes, Total	<8.0		50	8.0	ug/L			04/09/16 18:28	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*78 -118*		*04/09/16 18:28*	*5*
Dibromofluoromethane	*98*		*81 -121*		*04/09/16 18:28*	*5*
Toluene-d8 (Surr)	*103*		*80 -120*		*04/09/16 18:28*	*5*

Client Sample ID: MW-25D
Date Collected: 03/30/16 10:25
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-11
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<20		50	20	ug/L			04/09/16 17:44	2
Benzene	<0.76		2.0	0.76	ug/L			04/09/16 17:44	2
Bromobenzene	<1.1		2.0	1.1	ug/L			04/09/16 17:44	2
Bromoform	<1.4		10	1.4	ug/L			04/09/16 17:44	2
Bromomethane	<2.0		2.0	2.0	ug/L			04/09/16 17:44	2
2-Butanone (MEK)	<5.2		50	5.2	ug/L			04/09/16 17:44	2
Carbon disulfide	<1.0		2.0	1.0	ug/L			04/09/16 17:44	2
Carbon tetrachloride	<1.0		2.0	1.0	ug/L			04/09/16 17:44	2
Chlorobenzene	<1.0		2.0	1.0	ug/L			04/09/16 17:44	2
Chlorobromomethane	<1.0		2.0	1.0	ug/L			04/09/16 17:44	2
Chlorodibromomethane	<1.0		2.0	1.0	ug/L			04/09/16 17:44	2
Chloroethane	<1.5		2.0	1.5	ug/L			04/09/16 17:44	2
Chloroform	<1.2		2.0	1.2	ug/L			04/09/16 17:44	2
Chloromethane	<1.7		2.0	1.7	ug/L			04/09/16 17:44	2
2-Chlorotoluene	<1.1		2.0	1.1	ug/L			04/09/16 17:44	2
4-Chlorotoluene	<1.1		2.0	1.1	ug/L			04/09/16 17:44	2
cis-1,2-Dichloroethene	**22**		2.0	1.0	ug/L			04/09/16 17:44	2
cis-1,3-Dichloropropene	<1.0		10	1.0	ug/L			04/09/16 17:44	2
1,2-Dibromo-3-Chloropropane	<3.0		10	3.0	ug/L			04/09/16 17:44	2
Dibromomethane	<1.2		10	1.2	ug/L			04/09/16 17:44	2
1,2-Dichlorobenzene	<1.0		2.0	1.0	ug/L			04/09/16 17:44	2
1,3-Dichlorobenzene	<1.1		2.0	1.1	ug/L			04/09/16 17:44	2
1,4-Dichlorobenzene	<1.3		2.0	1.3	ug/L			04/09/16 17:44	2
Dichlorobromomethane	<1.0		2.0	1.0	ug/L			04/09/16 17:44	2
Dichlorodifluoromethane	<1.7		2.0	1.7	ug/L			04/09/16 17:44	2
1,1-Dichloroethane	<1.0		2.0	1.0	ug/L			04/09/16 17:44	2
1,2-Dichloroethane	<1.0		2.0	1.0	ug/L			04/09/16 17:44	2
1,1-Dichloroethene	<1.0		2.0	1.0	ug/L			04/09/16 17:44	2
1,2-Dichloropropane	<1.0		2.0	1.0	ug/L			04/09/16 17:44	2
1,3-Dichloropropane	<1.0		2.0	1.0	ug/L			04/09/16 17:44	2
2,2-Dichloropropane	<1.0		2.0	1.0	ug/L			04/09/16 17:44	2
1,1-Dichloropropene	<1.0		2.0	1.0	ug/L			04/09/16 17:44	2
Ethylbenzene	<1.0		2.0	1.0	ug/L			04/09/16 17:44	2
Ethylene Dibromide	<1.0		2.0	1.0	ug/L			04/09/16 17:44	2
Hexachlorobutadiene	<1.8		10	1.8	ug/L			04/09/16 17:44	2
2-Hexanone	<6.2		50	6.2	ug/L			04/09/16 17:44	2
Isopropylbenzene	<1.1		2.0	1.1	ug/L			04/09/16 17:44	2
4-Isopropyltoluene	<1.4		2.0	1.4	ug/L			04/09/16 17:44	2
Methylene Chloride	<6.0		10	6.0	ug/L			04/09/16 17:44	2
4-Methyl-2-pentanone (MIBK)	<3.6		50	3.6	ug/L			04/09/16 17:44	2
Methyl tert-butyl ether	<1.5		2.0	1.5	ug/L			04/09/16 17:44	2
m-Xylene & p-Xylene	<3.2		10	3.2	ug/L			04/09/16 17:44	2
Naphthalene	<2.0		2.0	2.0	ug/L			04/09/16 17:44	2
n-Butylbenzene	<1.5		2.0	1.5	ug/L			04/09/16 17:44	2
N-Propylbenzene	<1.4		2.0	1.4	ug/L			04/09/16 17:44	2
o-Xylene	<1.2		10	1.2	ug/L			04/09/16 17:44	2
sec-Butylbenzene	<1.4		2.0	1.4	ug/L			04/09/16 17:44	2
Styrene	<2.0		2.0	2.0	ug/L			04/09/16 17:44	2
tert-Butylbenzene	<1.3		2.0	1.3	ug/L			04/09/16 17:44	2

Client Sample ID: MW-25D
Date Collected: 03/30/16 10:25
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-11
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.0		2.0	1.0	ug/L			04/09/16 17:44	2
1,1,2,2-Tetrachloroethane	<1.0		2.0	1.0	ug/L			04/09/16 17:44	2
Tetrachloroethene	<1.2		2.0	1.2	ug/L			04/09/16 17:44	2
Toluene	<1.4		2.0	1.4	ug/L			04/09/16 17:44	2
trans-1,2-Dichloroethene	<1.0		2.0	1.0	ug/L			04/09/16 17:44	2
trans-1,3-Dichloropropene	<1.0		10	1.0	ug/L			04/09/16 17:44	2
1,2,3-Trichlorobenzene	<1.4		2.0	1.4	ug/L			04/09/16 17:44	2
1,2,4-Trichlorobenzene	<1.6		2.0	1.6	ug/L			04/09/16 17:44	2
1,1,1-Trichloroethane	<1.0		2.0	1.0	ug/L			04/09/16 17:44	2
1,1,2-Trichloroethane	<1.0		10	1.0	ug/L			04/09/16 17:44	2
Trichloroethene	**280**		2.0	1.0	ug/L			04/09/16 17:44	2
Trichlorofluoromethane	<1.0		2.0	1.0	ug/L			04/09/16 17:44	2
1,2,3-Trichloropropane	<1.7		10	1.7	ug/L			04/09/16 17:44	2
1,2,4-Trimethylbenzene	<1.6		2.0	1.6	ug/L			04/09/16 17:44	2
1,3,5-Trimethylbenzene	<1.1		2.0	1.1	ug/L			04/09/16 17:44	2
Vinyl chloride	<1.0		2.0	1.0	ug/L			04/09/16 17:44	2
Xylenes, Total	<3.2		20	3.2	ug/L			04/09/16 17:44	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*78 -118*		*04/09/16 17:44*	*2*
Dibromofluoromethane	*98*		*81 -121*		*04/09/16 17:44*	*2*
Toluene-d8 (Surr)	*101*		*80 -120*		*04/09/16 17:44*	*2*

Client Sample ID: MW-11
Date Collected: 03/30/16 11:00
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-12
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<50		130	50	ug/L			04/09/16 18:49	5
Benzene	<1.9		5.0	1.9	ug/L			04/09/16 18:49	5
Bromobenzene	<2.7		5.0	2.7	ug/L			04/09/16 18:49	5
Bromoform	<3.6		25	3.6	ug/L			04/09/16 18:49	5
Bromomethane	<4.9		5.0	4.9	ug/L			04/09/16 18:49	5
2-Butanone (MEK)	<13		130	13	ug/L			04/09/16 18:49	5
Carbon disulfide	<2.5		5.0	2.5	ug/L			04/09/16 18:49	5
Carbon tetrachloride	<2.5		5.0	2.5	ug/L			04/09/16 18:49	5
Chlorobenzene	<2.5		5.0	2.5	ug/L			04/09/16 18:49	5
Chlorobromomethane	<2.6		5.0	2.6	ug/L			04/09/16 18:49	5
Chlorodibromomethane	<2.5		5.0	2.5	ug/L			04/09/16 18:49	5
Chloroethane	<3.8		5.0	3.8	ug/L			04/09/16 18:49	5
Chloroform	<3.0		5.0	3.0	ug/L			04/09/16 18:49	5
Chloromethane	<4.2		5.0	4.2	ug/L			04/09/16 18:49	5
2-Chlorotoluene	<2.9		5.0	2.9	ug/L			04/09/16 18:49	5
4-Chlorotoluene	<2.8		5.0	2.8	ug/L			04/09/16 18:49	5
cis-1,2-Dichloroethene	**25**		5.0	2.5	ug/L			04/09/16 18:49	5
cis-1,3-Dichloropropene	<2.5		25	2.5	ug/L			04/09/16 18:49	5
1,2-Dibromo-3-Chloropropane	<7.5		25	7.5	ug/L			04/09/16 18:49	5
Dibromomethane	<3.0		25	3.0	ug/L			04/09/16 18:49	5
1,2-Dichlorobenzene	<2.5		5.0	2.5	ug/L			04/09/16 18:49	5
1,3-Dichlorobenzene	<2.7		5.0	2.7	ug/L			04/09/16 18:49	5
1,4-Dichlorobenzene	<3.2		5.0	3.2	ug/L			04/09/16 18:49	5
Dichlorobromomethane	<2.5		5.0	2.5	ug/L			04/09/16 18:49	5
Dichlorodifluoromethane	<4.3		5.0	4.3	ug/L			04/09/16 18:49	5
1,1-Dichloroethane	<2.5		5.0	2.5	ug/L			04/09/16 18:49	5
1,2-Dichloroethane	<2.5		5.0	2.5	ug/L			04/09/16 18:49	5
1,1-Dichloroethene	<2.5		5.0	2.5	ug/L			04/09/16 18:49	5
1,2-Dichloropropane	<2.5		5.0	2.5	ug/L			04/09/16 18:49	5
1,3-Dichloropropane	<2.5		5.0	2.5	ug/L			04/09/16 18:49	5
2,2-Dichloropropane	<2.5		5.0	2.5	ug/L			04/09/16 18:49	5
1,1-Dichloropropene	<2.5		5.0	2.5	ug/L			04/09/16 18:49	5
Ethylbenzene	<2.5		5.0	2.5	ug/L			04/09/16 18:49	5
Ethylene Dibromide	<2.5		5.0	2.5	ug/L			04/09/16 18:49	5
Hexachlorobutadiene	<4.5		25	4.5	ug/L			04/09/16 18:49	5
2-Hexanone	<16		130	16	ug/L			04/09/16 18:49	5
Isopropylbenzene	<2.7		5.0	2.7	ug/L			04/09/16 18:49	5
4-Isopropyltoluene	<3.6		5.0	3.6	ug/L			04/09/16 18:49	5
Methylene Chloride	<15		25	15	ug/L			04/09/16 18:49	5
4-Methyl-2-pentanone (MIBK)	<9.0		130	9.0	ug/L			04/09/16 18:49	5
Methyl tert-butyl ether	<3.7		5.0	3.7	ug/L			04/09/16 18:49	5
m-Xylene & p-Xylene	<8.0		25	8.0	ug/L			04/09/16 18:49	5
Naphthalene	<5.0		5.0	5.0	ug/L			04/09/16 18:49	5
n-Butylbenzene	<3.8		5.0	3.8	ug/L			04/09/16 18:49	5
N-Propylbenzene	<3.5		5.0	3.5	ug/L			04/09/16 18:49	5
o-Xylene	<3.0		25	3.0	ug/L			04/09/16 18:49	5
sec-Butylbenzene	<3.5		5.0	3.5	ug/L			04/09/16 18:49	5
Styrene	<5.0		5.0	5.0	ug/L			04/09/16 18:49	5
tert-Butylbenzene	<3.2		5.0	3.2	ug/L			04/09/16 18:49	5

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-1

Client Sample ID: MW-11
Date Collected: 03/30/16 11:00
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-12
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<2.6		5.0	2.6	ug/L			04/09/16 18:49	5
1,1,2,2-Tetrachloroethane	<2.5		5.0	2.5	ug/L			04/09/16 18:49	5
Tetrachloroethene	<2.9		5.0	2.9	ug/L			04/09/16 18:49	5
Toluene	<3.5		5.0	3.5	ug/L			04/09/16 18:49	5
trans-1,2-Dichloroethene	<2.5		5.0	2.5	ug/L			04/09/16 18:49	5
trans-1,3-Dichloropropene	<2.5		25	2.5	ug/L			04/09/16 18:49	5
1,2,3-Trichlorobenzene	<3.5		5.0	3.5	ug/L			04/09/16 18:49	5
1,2,4-Trichlorobenzene	<4.1		5.0	4.1	ug/L			04/09/16 18:49	5
1,1,1-Trichloroethane	<2.5		5.0	2.5	ug/L			04/09/16 18:49	5
1,1,2-Trichloroethane	<2.5		25	2.5	ug/L			04/09/16 18:49	5
Trichloroethene	**720**		5.0	2.5	ug/L			04/09/16 18:49	5
Trichlorofluoromethane	<2.6		5.0	2.6	ug/L			04/09/16 18:49	5
1,2,3-Trichloropropane	<4.2		25	4.2	ug/L			04/09/16 18:49	5
1,2,4-Trimethylbenzene	<4.1		5.0	4.1	ug/L			04/09/16 18:49	5
1,3,5-Trimethylbenzene	<2.8		5.0	2.8	ug/L			04/09/16 18:49	5
Vinyl chloride	<2.5		5.0	2.5	ug/L			04/09/16 18:49	5
Xylenes, Total	<8.0		50	8.0	ug/L			04/09/16 18:49	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*78 -118*		*04/09/16 18:49*	*5*
Dibromofluoromethane	*96*		*81 -121*		*04/09/16 18:49*	*5*
Toluene-d8 (Surr)	*105*		*80 -120*		*04/09/16 18:49*	*5*

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-1

Client Sample ID: MW-38S
Date Collected: 03/30/16 12:00
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-13
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		25	10	ug/L			04/09/16 14:15	1
Benzene	<0.38		1.0	0.38	ug/L			04/09/16 14:15	1
Bromobenzene	<0.54		1.0	0.54	ug/L			04/09/16 14:15	1
Bromoform	<0.71		5.0	0.71	ug/L			04/09/16 14:15	1
Bromomethane	<0.98		1.0	0.98	ug/L			04/09/16 14:15	1
2-Butanone (MEK)	<2.6		25	2.6	ug/L			04/09/16 14:15	1
Carbon disulfide	<0.50		1.0	0.50	ug/L			04/09/16 14:15	1
Carbon tetrachloride	<0.50		1.0	0.50	ug/L			04/09/16 14:15	1
Chlorobenzene	<0.50		1.0	0.50	ug/L			04/09/16 14:15	1
Chlorobromomethane	<0.52		1.0	0.52	ug/L			04/09/16 14:15	1
Chlorodibromomethane	<0.50		1.0	0.50	ug/L			04/09/16 14:15	1
Chloroethane	<0.76		1.0	0.76	ug/L			04/09/16 14:15	1
Chloroform	<0.60		1.0	0.60	ug/L			04/09/16 14:15	1
Chloromethane	<0.83		1.0	0.83	ug/L			04/09/16 14:15	1
2-Chlorotoluene	<0.57		1.0	0.57	ug/L			04/09/16 14:15	1
4-Chlorotoluene	<0.56		1.0	0.56	ug/L			04/09/16 14:15	1
cis-1,2-Dichloroethene	**0.52**	**J**	1.0	0.50	ug/L			04/09/16 14:15	1
cis-1,3-Dichloropropene	<0.50		5.0	0.50	ug/L			04/09/16 14:15	1
1,2-Dibromo-3-Chloropropane	<1.5		5.0	1.5	ug/L			04/09/16 14:15	1
Dibromomethane	<0.59		5.0	0.59	ug/L			04/09/16 14:15	1
1,2-Dichlorobenzene	<0.50		1.0	0.50	ug/L			04/09/16 14:15	1
1,3-Dichlorobenzene	<0.54		1.0	0.54	ug/L			04/09/16 14:15	1
1,4-Dichlorobenzene	<0.64		1.0	0.64	ug/L			04/09/16 14:15	1
Dichlorobromomethane	<0.50		1.0	0.50	ug/L			04/09/16 14:15	1
Dichlorodifluoromethane	<0.85		1.0	0.85	ug/L			04/09/16 14:15	1
1,1-Dichloroethane	<0.50		1.0	0.50	ug/L			04/09/16 14:15	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			04/09/16 14:15	1
1,1-Dichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 14:15	1
1,2-Dichloropropane	<0.50		1.0	0.50	ug/L			04/09/16 14:15	1
1,3-Dichloropropane	<0.50		1.0	0.50	ug/L			04/09/16 14:15	1
2,2-Dichloropropane	<0.50		1.0	0.50	ug/L			04/09/16 14:15	1
1,1-Dichloropropene	<0.50		1.0	0.50	ug/L			04/09/16 14:15	1
Ethylbenzene	<0.50		1.0	0.50	ug/L			04/09/16 14:15	1
Ethylene Dibromide	<0.50		1.0	0.50	ug/L			04/09/16 14:15	1
Hexachlorobutadiene	<0.90		5.0	0.90	ug/L			04/09/16 14:15	1
2-Hexanone	<3.1		25	3.1	ug/L			04/09/16 14:15	1
Isopropylbenzene	<0.53		1.0	0.53	ug/L			04/09/16 14:15	1
4-Isopropyltoluene	<0.71		1.0	0.71	ug/L			04/09/16 14:15	1
Methylene Chloride	<3.0		5.0	3.0	ug/L			04/09/16 14:15	1
4-Methyl-2-pentanone (MIBK)	<1.8		25	1.8	ug/L			04/09/16 14:15	1
Methyl tert-butyl ether	<0.74		1.0	0.74	ug/L			04/09/16 14:15	1
m-Xylene & p-Xylene	<1.6		5.0	1.6	ug/L			04/09/16 14:15	1
Naphthalene	<1.0		1.0	1.0	ug/L			04/09/16 14:15	1
n-Butylbenzene	<0.76		1.0	0.76	ug/L			04/09/16 14:15	1
N-Propylbenzene	<0.69		1.0	0.69	ug/L			04/09/16 14:15	1
o-Xylene	<0.60		5.0	0.60	ug/L			04/09/16 14:15	1
sec-Butylbenzene	<0.70		1.0	0.70	ug/L			04/09/16 14:15	1
Styrene	<1.0		1.0	1.0	ug/L			04/09/16 14:15	1
tert-Butylbenzene	<0.63		1.0	0.63	ug/L			04/09/16 14:15	1

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-1

Client Sample ID: MW-38S
Date Collected: 03/30/16 12:00
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-13
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.52		1.0	0.52	ug/L			04/09/16 14:15	1
1,1,2,2-Tetrachloroethane	<0.50		1.0	0.50	ug/L			04/09/16 14:15	1
Tetrachloroethene	<0.58		1.0	0.58	ug/L			04/09/16 14:15	1
Toluene	<0.70		1.0	0.70	ug/L			04/09/16 14:15	1
trans-1,2-Dichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 14:15	1
trans-1,3-Dichloropropene	<0.50		5.0	0.50	ug/L			04/09/16 14:15	1
1,2,3-Trichlorobenzene	<0.70		1.0	0.70	ug/L			04/09/16 14:15	1
1,2,4-Trichlorobenzene	<0.82		1.0	0.82	ug/L			04/09/16 14:15	1
1,1,1-Trichloroethane	<0.50		1.0	0.50	ug/L			04/09/16 14:15	1
1,1,2-Trichloroethane	<0.50		5.0	0.50	ug/L			04/09/16 14:15	1
Trichloroethene	**4.9**		1.0	0.50	ug/L			04/09/16 14:15	1
Trichlorofluoromethane	<0.52		1.0	0.52	ug/L			04/09/16 14:15	1
1,2,3-Trichloropropane	<0.84		5.0	0.84	ug/L			04/09/16 14:15	1
1,2,4-Trimethylbenzene	<0.82		1.0	0.82	ug/L			04/09/16 14:15	1
1,3,5-Trimethylbenzene	<0.56		1.0	0.56	ug/L			04/09/16 14:15	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			04/09/16 14:15	1
Xylenes, Total	<1.6		10	1.6	ug/L			04/09/16 14:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*78 -118*		*04/09/16 14:15*	*1*
Dibromofluoromethane	*100*		*81 -121*		*04/09/16 14:15*	*1*
Toluene-d8 (Surr)	*101*		*80 -120*		*04/09/16 14:15*	*1*

Client Sample ID: MW-38
Date Collected: 03/30/16 12:55
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-14
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		25	10	ug/L			04/09/16 14:43	1
Benzene	<0.38		1.0	0.38	ug/L			04/09/16 14:43	1
Bromobenzene	<0.54		1.0	0.54	ug/L			04/09/16 14:43	1
Bromoform	<0.71		5.0	0.71	ug/L			04/09/16 14:43	1
Bromomethane	<0.98		1.0	0.98	ug/L			04/09/16 14:43	1
2-Butanone (MEK)	<2.6		25	2.6	ug/L			04/09/16 14:43	1
Carbon disulfide	<0.50		1.0	0.50	ug/L			04/09/16 14:43	1
Carbon tetrachloride	<0.50		1.0	0.50	ug/L			04/09/16 14:43	1
Chlorobenzene	<0.50		1.0	0.50	ug/L			04/09/16 14:43	1
Chlorobromomethane	<0.52		1.0	0.52	ug/L			04/09/16 14:43	1
Chlorodibromomethane	<0.50		1.0	0.50	ug/L			04/09/16 14:43	1
Chloroethane	<0.76		1.0	0.76	ug/L			04/09/16 14:43	1
Chloroform	<0.60		1.0	0.60	ug/L			04/09/16 14:43	1
Chloromethane	<0.83		1.0	0.83	ug/L			04/09/16 14:43	1
2-Chlorotoluene	<0.57		1.0	0.57	ug/L			04/09/16 14:43	1
4-Chlorotoluene	<0.56		1.0	0.56	ug/L			04/09/16 14:43	1
cis-1,2-Dichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 14:43	1
cis-1,3-Dichloropropene	<0.50		5.0	0.50	ug/L			04/09/16 14:43	1
1,2-Dibromo-3-Chloropropane	<1.5		5.0	1.5	ug/L			04/09/16 14:43	1
Dibromomethane	<0.59		5.0	0.59	ug/L			04/09/16 14:43	1
1,2-Dichlorobenzene	<0.50		1.0	0.50	ug/L			04/09/16 14:43	1
1,3-Dichlorobenzene	<0.54		1.0	0.54	ug/L			04/09/16 14:43	1
1,4-Dichlorobenzene	<0.64		1.0	0.64	ug/L			04/09/16 14:43	1
Dichlorobromomethane	<0.50		1.0	0.50	ug/L			04/09/16 14:43	1
Dichlorodifluoromethane	<0.85		1.0	0.85	ug/L			04/09/16 14:43	1
1,1-Dichloroethane	<0.50		1.0	0.50	ug/L			04/09/16 14:43	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			04/09/16 14:43	1
1,1-Dichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 14:43	1
1,2-Dichloropropane	<0.50		1.0	0.50	ug/L			04/09/16 14:43	1
1,3-Dichloropropane	<0.50		1.0	0.50	ug/L			04/09/16 14:43	1
2,2-Dichloropropane	<0.50		1.0	0.50	ug/L			04/09/16 14:43	1
1,1-Dichloropropene	<0.50		1.0	0.50	ug/L			04/09/16 14:43	1
Ethylbenzene	<0.50		1.0	0.50	ug/L			04/09/16 14:43	1
Ethylene Dibromide	<0.50		1.0	0.50	ug/L			04/09/16 14:43	1
Hexachlorobutadiene	<0.90		5.0	0.90	ug/L			04/09/16 14:43	1
2-Hexanone	<3.1		25	3.1	ug/L			04/09/16 14:43	1
Isopropylbenzene	<0.53		1.0	0.53	ug/L			04/09/16 14:43	1
4-Isopropyltoluene	<0.71		1.0	0.71	ug/L			04/09/16 14:43	1
Methylene Chloride	<3.0		5.0	3.0	ug/L			04/09/16 14:43	1
4-Methyl-2-pentanone (MIBK)	<1.8		25	1.8	ug/L			04/09/16 14:43	1
Methyl tert-butyl ether	<0.74		1.0	0.74	ug/L			04/09/16 14:43	1
m-Xylene & p-Xylene	<1.6		5.0	1.6	ug/L			04/09/16 14:43	1
Naphthalene	<1.0		1.0	1.0	ug/L			04/09/16 14:43	1
n-Butylbenzene	<0.76		1.0	0.76	ug/L			04/09/16 14:43	1
N-Propylbenzene	<0.69		1.0	0.69	ug/L			04/09/16 14:43	1
o-Xylene	<0.60		5.0	0.60	ug/L			04/09/16 14:43	1
sec-Butylbenzene	<0.70		1.0	0.70	ug/L			04/09/16 14:43	1
Styrene	<1.0		1.0	1.0	ug/L			04/09/16 14:43	1
tert-Butylbenzene	<0.63		1.0	0.63	ug/L			04/09/16 14:43	1

Client Sample ID: MW-38
Date Collected: 03/30/16 12:55
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-14
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.52		1.0	0.52	ug/L			04/09/16 14:43	1
1,1,2,2-Tetrachloroethane	<0.50		1.0	0.50	ug/L			04/09/16 14:43	1
Tetrachloroethene	<0.58		1.0	0.58	ug/L			04/09/16 14:43	1
Toluene	<0.70		1.0	0.70	ug/L			04/09/16 14:43	1
trans-1,2-Dichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 14:43	1
trans-1,3-Dichloropropene	<0.50		5.0	0.50	ug/L			04/09/16 14:43	1
1,2,3-Trichlorobenzene	<0.70		1.0	0.70	ug/L			04/09/16 14:43	1
1,2,4-Trichlorobenzene	<0.82		1.0	0.82	ug/L			04/09/16 14:43	1
1,1,1-Trichloroethane	<0.50		1.0	0.50	ug/L			04/09/16 14:43	1
1,1,2-Trichloroethane	<0.50		5.0	0.50	ug/L			04/09/16 14:43	1
Trichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 14:43	1
Trichlorofluoromethane	<0.52		1.0	0.52	ug/L			04/09/16 14:43	1
1,2,3-Trichloropropane	<0.84		5.0	0.84	ug/L			04/09/16 14:43	1
1,2,4-Trimethylbenzene	<0.82		1.0	0.82	ug/L			04/09/16 14:43	1
1,3,5-Trimethylbenzene	<0.56		1.0	0.56	ug/L			04/09/16 14:43	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			04/09/16 14:43	1
Xylenes, Total	<1.6		10	1.6	ug/L			04/09/16 14:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*78 -118*		*04/09/16 14:43*	*1*
Dibromofluoromethane	*100*		*81 -121*		*04/09/16 14:43*	*1*
Toluene-d8 (Surr)	*100*		*80 -120*		*04/09/16 14:43*	*1*

Client Sample ID: MW-34
Date Collected: 03/30/16 14:30
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-15
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		25	10	ug/L			04/09/16 15:11	1
Benzene	<0.38		1.0	0.38	ug/L			04/09/16 15:11	1
Bromobenzene	<0.54		1.0	0.54	ug/L			04/09/16 15:11	1
Bromoform	<0.71		5.0	0.71	ug/L			04/09/16 15:11	1
Bromomethane	<0.98		1.0	0.98	ug/L			04/09/16 15:11	1
2-Butanone (MEK)	<2.6		25	2.6	ug/L			04/09/16 15:11	1
Carbon disulfide	<0.50		1.0	0.50	ug/L			04/09/16 15:11	1
Carbon tetrachloride	<0.50		1.0	0.50	ug/L			04/09/16 15:11	1
Chlorobenzene	<0.50		1.0	0.50	ug/L			04/09/16 15:11	1
Chlorobromomethane	<0.52		1.0	0.52	ug/L			04/09/16 15:11	1
Chlorodibromomethane	<0.50		1.0	0.50	ug/L			04/09/16 15:11	1
Chloroethane	<0.76		1.0	0.76	ug/L			04/09/16 15:11	1
Chloroform	<0.60		1.0	0.60	ug/L			04/09/16 15:11	1
Chloromethane	<0.83		1.0	0.83	ug/L			04/09/16 15:11	1
2-Chlorotoluene	<0.57		1.0	0.57	ug/L			04/09/16 15:11	1
4-Chlorotoluene	<0.56		1.0	0.56	ug/L			04/09/16 15:11	1
cis-1,2-Dichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 15:11	1
cis-1,3-Dichloropropene	<0.50		5.0	0.50	ug/L			04/09/16 15:11	1
1,2-Dibromo-3-Chloropropane	<1.5		5.0	1.5	ug/L			04/09/16 15:11	1
Dibromomethane	<0.59		5.0	0.59	ug/L			04/09/16 15:11	1
1,2-Dichlorobenzene	<0.50		1.0	0.50	ug/L			04/09/16 15:11	1
1,3-Dichlorobenzene	<0.54		1.0	0.54	ug/L			04/09/16 15:11	1
1,4-Dichlorobenzene	<0.64		1.0	0.64	ug/L			04/09/16 15:11	1
Dichlorobromomethane	<0.50		1.0	0.50	ug/L			04/09/16 15:11	1
Dichlorodifluoromethane	<0.85		1.0	0.85	ug/L			04/09/16 15:11	1
1,1-Dichloroethane	<0.50		1.0	0.50	ug/L			04/09/16 15:11	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			04/09/16 15:11	1
1,1-Dichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 15:11	1
1,2-Dichloropropane	<0.50		1.0	0.50	ug/L			04/09/16 15:11	1
1,3-Dichloropropane	<0.50		1.0	0.50	ug/L			04/09/16 15:11	1
2,2-Dichloropropane	<0.50		1.0	0.50	ug/L			04/09/16 15:11	1
1,1-Dichloropropene	<0.50		1.0	0.50	ug/L			04/09/16 15:11	1
Ethylbenzene	<0.50		1.0	0.50	ug/L			04/09/16 15:11	1
Ethylene Dibromide	<0.50		1.0	0.50	ug/L			04/09/16 15:11	1
Hexachlorobutadiene	<0.90		5.0	0.90	ug/L			04/09/16 15:11	1
2-Hexanone	<3.1		25	3.1	ug/L			04/09/16 15:11	1
Isopropylbenzene	<0.53		1.0	0.53	ug/L			04/09/16 15:11	1
4-Isopropyltoluene	<0.71		1.0	0.71	ug/L			04/09/16 15:11	1
Methylene Chloride	<3.0		5.0	3.0	ug/L			04/09/16 15:11	1
4-Methyl-2-pentanone (MIBK)	<1.8		25	1.8	ug/L			04/09/16 15:11	1
Methyl tert-butyl ether	<0.74		1.0	0.74	ug/L			04/09/16 15:11	1
m-Xylene & p-Xylene	<1.6		5.0	1.6	ug/L			04/09/16 15:11	1
Naphthalene	<1.0		1.0	1.0	ug/L			04/09/16 15:11	1
n-Butylbenzene	<0.76		1.0	0.76	ug/L			04/09/16 15:11	1
N-Propylbenzene	<0.69		1.0	0.69	ug/L			04/09/16 15:11	1
o-Xylene	<0.60		5.0	0.60	ug/L			04/09/16 15:11	1
sec-Butylbenzene	<0.70		1.0	0.70	ug/L			04/09/16 15:11	1
Styrene	<1.0		1.0	1.0	ug/L			04/09/16 15:11	1
tert-Butylbenzene	<0.63		1.0	0.63	ug/L			04/09/16 15:11	1

Client Sample ID: MW-34
Date Collected: 03/30/16 14:30
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-15
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.52		1.0	0.52	ug/L			04/09/16 15:11	1
1,1,2,2-Tetrachloroethane	<0.50		1.0	0.50	ug/L			04/09/16 15:11	1
Tetrachloroethene	<0.58		1.0	0.58	ug/L			04/09/16 15:11	1
Toluene	<0.70		1.0	0.70	ug/L			04/09/16 15:11	1
trans-1,2-Dichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 15:11	1
trans-1,3-Dichloropropene	<0.50		5.0	0.50	ug/L			04/09/16 15:11	1
1,2,3-Trichlorobenzene	<0.70		1.0	0.70	ug/L			04/09/16 15:11	1
1,2,4-Trichlorobenzene	<0.82		1.0	0.82	ug/L			04/09/16 15:11	1
1,1,1-Trichloroethane	<0.50		1.0	0.50	ug/L			04/09/16 15:11	1
1,1,2-Trichloroethane	<0.50		5.0	0.50	ug/L			04/09/16 15:11	1
Trichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 15:11	1
Trichlorofluoromethane	<0.52		1.0	0.52	ug/L			04/09/16 15:11	1
1,2,3-Trichloropropane	<0.84		5.0	0.84	ug/L			04/09/16 15:11	1
1,2,4-Trimethylbenzene	<0.82		1.0	0.82	ug/L			04/09/16 15:11	1
1,3,5-Trimethylbenzene	<0.56		1.0	0.56	ug/L			04/09/16 15:11	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			04/09/16 15:11	1
Xylenes, Total	<1.6		10	1.6	ug/L			04/09/16 15:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*78 -118*		*04/09/16 15:11*	*1*
Dibromofluoromethane	*98*		*81 -121*		*04/09/16 15:11*	*1*
Toluene-d8 (Surr)	*104*		*80 -120*		*04/09/16 15:11*	*1*

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-1

Client Sample ID: MW-30S
Date Collected: 03/30/16 15:05
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-16
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		25	10	ug/L			04/09/16 15:39	1
Benzene	<0.38		1.0	0.38	ug/L			04/09/16 15:39	1
Bromobenzene	<0.54		1.0	0.54	ug/L			04/09/16 15:39	1
Bromoform	<0.71		5.0	0.71	ug/L			04/09/16 15:39	1
Bromomethane	<0.98		1.0	0.98	ug/L			04/09/16 15:39	1
2-Butanone (MEK)	<2.6		25	2.6	ug/L			04/09/16 15:39	1
Carbon disulfide	<0.50		1.0	0.50	ug/L			04/09/16 15:39	1
Carbon tetrachloride	<0.50		1.0	0.50	ug/L			04/09/16 15:39	1
Chlorobenzene	<0.50		1.0	0.50	ug/L			04/09/16 15:39	1
Chlorobromomethane	<0.52		1.0	0.52	ug/L			04/09/16 15:39	1
Chlorodibromomethane	<0.50		1.0	0.50	ug/L			04/09/16 15:39	1
Chloroethane	<0.76		1.0	0.76	ug/L			04/09/16 15:39	1
Chloroform	<0.60		1.0	0.60	ug/L			04/09/16 15:39	1
Chloromethane	<0.83		1.0	0.83	ug/L			04/09/16 15:39	1
2-Chlorotoluene	<0.57		1.0	0.57	ug/L			04/09/16 15:39	1
4-Chlorotoluene	<0.56		1.0	0.56	ug/L			04/09/16 15:39	1
cis-1,2-Dichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 15:39	1
cis-1,3-Dichloropropene	<0.50		5.0	0.50	ug/L			04/09/16 15:39	1
1,2-Dibromo-3-Chloropropane	<1.5		5.0	1.5	ug/L			04/09/16 15:39	1
Dibromomethane	<0.59		5.0	0.59	ug/L			04/09/16 15:39	1
1,2-Dichlorobenzene	<0.50		1.0	0.50	ug/L			04/09/16 15:39	1
1,3-Dichlorobenzene	<0.54		1.0	0.54	ug/L			04/09/16 15:39	1
1,4-Dichlorobenzene	<0.64		1.0	0.64	ug/L			04/09/16 15:39	1
Dichlorobromomethane	<0.50		1.0	0.50	ug/L			04/09/16 15:39	1
Dichlorodifluoromethane	<0.85		1.0	0.85	ug/L			04/09/16 15:39	1
1,1-Dichloroethane	<0.50		1.0	0.50	ug/L			04/09/16 15:39	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			04/09/16 15:39	1
1,1-Dichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 15:39	1
1,2-Dichloropropane	<0.50		1.0	0.50	ug/L			04/09/16 15:39	1
1,3-Dichloropropane	<0.50		1.0	0.50	ug/L			04/09/16 15:39	1
2,2-Dichloropropane	<0.50		1.0	0.50	ug/L			04/09/16 15:39	1
1,1-Dichloropropene	<0.50		1.0	0.50	ug/L			04/09/16 15:39	1
Ethylbenzene	<0.50		1.0	0.50	ug/L			04/09/16 15:39	1
Ethylene Dibromide	<0.50		1.0	0.50	ug/L			04/09/16 15:39	1
Hexachlorobutadiene	<0.90		5.0	0.90	ug/L			04/09/16 15:39	1
2-Hexanone	<3.1		25	3.1	ug/L			04/09/16 15:39	1
Isopropylbenzene	<0.53		1.0	0.53	ug/L			04/09/16 15:39	1
4-Isopropyltoluene	<0.71		1.0	0.71	ug/L			04/09/16 15:39	1
Methylene Chloride	<3.0		5.0	3.0	ug/L			04/09/16 15:39	1
4-Methyl-2-pentanone (MIBK)	<1.8		25	1.8	ug/L			04/09/16 15:39	1
Methyl tert-butyl ether	<0.74		1.0	0.74	ug/L			04/09/16 15:39	1
m-Xylene & p-Xylene	<1.6		5.0	1.6	ug/L			04/09/16 15:39	1
Naphthalene	<1.0		1.0	1.0	ug/L			04/09/16 15:39	1
n-Butylbenzene	<0.76		1.0	0.76	ug/L			04/09/16 15:39	1
N-Propylbenzene	<0.69		1.0	0.69	ug/L			04/09/16 15:39	1
o-Xylene	<0.60		5.0	0.60	ug/L			04/09/16 15:39	1
sec-Butylbenzene	<0.70		1.0	0.70	ug/L			04/09/16 15:39	1
Styrene	<1.0		1.0	1.0	ug/L			04/09/16 15:39	1
tert-Butylbenzene	<0.63		1.0	0.63	ug/L			04/09/16 15:39	1

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-1

Client Sample ID: MW-30S
Date Collected: 03/30/16 15:05
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-16
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.52		1.0	0.52	ug/L			04/09/16 15:39	1
1,1,2,2-Tetrachloroethane	<0.50		1.0	0.50	ug/L			04/09/16 15:39	1
Tetrachloroethene	<0.58		1.0	0.58	ug/L			04/09/16 15:39	1
Toluene	<0.70		1.0	0.70	ug/L			04/09/16 15:39	1
trans-1,2-Dichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 15:39	1
trans-1,3-Dichloropropene	<0.50		5.0	0.50	ug/L			04/09/16 15:39	1
1,2,3-Trichlorobenzene	<0.70		1.0	0.70	ug/L			04/09/16 15:39	1
1,2,4-Trichlorobenzene	<0.82		1.0	0.82	ug/L			04/09/16 15:39	1
1,1,1-Trichloroethane	<0.50		1.0	0.50	ug/L			04/09/16 15:39	1
1,1,2-Trichloroethane	<0.50		5.0	0.50	ug/L			04/09/16 15:39	1
Trichloroethene	**7.4**		1.0	0.50	ug/L			04/09/16 15:39	1
Trichlorofluoromethane	<0.52		1.0	0.52	ug/L			04/09/16 15:39	1
1,2,3-Trichloropropane	<0.84		5.0	0.84	ug/L			04/09/16 15:39	1
1,2,4-Trimethylbenzene	<0.82		1.0	0.82	ug/L			04/09/16 15:39	1
1,3,5-Trimethylbenzene	<0.56		1.0	0.56	ug/L			04/09/16 15:39	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			04/09/16 15:39	1
Xylenes, Total	<1.6		10	1.6	ug/L			04/09/16 15:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*78 -118*		*04/09/16 15:39*	*1*
Dibromofluoromethane	*100*		*81 -121*		*04/09/16 15:39*	*1*
Toluene-d8 (Surr)	*102*		*80 -120*		*04/09/16 15:39*	*1*

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-1

Client Sample ID: MW-30D
Date Collected: 03/30/16 15:35
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-17
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		25	10	ug/L			04/09/16 16:09	1
Benzene	<0.38		1.0	0.38	ug/L			04/09/16 16:09	1
Bromobenzene	<0.54		1.0	0.54	ug/L			04/09/16 16:09	1
Bromoform	<0.71		5.0	0.71	ug/L			04/09/16 16:09	1
Bromomethane	<0.98		1.0	0.98	ug/L			04/09/16 16:09	1
2-Butanone (MEK)	<2.6		25	2.6	ug/L			04/09/16 16:09	1
Carbon disulfide	<0.50		1.0	0.50	ug/L			04/09/16 16:09	1
Carbon tetrachloride	<0.50		1.0	0.50	ug/L			04/09/16 16:09	1
Chlorobenzene	<0.50		1.0	0.50	ug/L			04/09/16 16:09	1
Chlorobromomethane	<0.52		1.0	0.52	ug/L			04/09/16 16:09	1
Chlorodibromomethane	<0.50		1.0	0.50	ug/L			04/09/16 16:09	1
Chloroethane	<0.76		1.0	0.76	ug/L			04/09/16 16:09	1
Chloroform	<0.60		1.0	0.60	ug/L			04/09/16 16:09	1
Chloromethane	<0.83		1.0	0.83	ug/L			04/09/16 16:09	1
2-Chlorotoluene	<0.57		1.0	0.57	ug/L			04/09/16 16:09	1
4-Chlorotoluene	<0.56		1.0	0.56	ug/L			04/09/16 16:09	1
cis-1,2-Dichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 16:09	1
cis-1,3-Dichloropropene	<0.50		5.0	0.50	ug/L			04/09/16 16:09	1
1,2-Dibromo-3-Chloropropane	<1.5		5.0	1.5	ug/L			04/09/16 16:09	1
Dibromomethane	<0.59		5.0	0.59	ug/L			04/09/16 16:09	1
1,2-Dichlorobenzene	<0.50		1.0	0.50	ug/L			04/09/16 16:09	1
1,3-Dichlorobenzene	<0.54		1.0	0.54	ug/L			04/09/16 16:09	1
1,4-Dichlorobenzene	<0.64		1.0	0.64	ug/L			04/09/16 16:09	1
Dichlorobromomethane	<0.50		1.0	0.50	ug/L			04/09/16 16:09	1
Dichlorodifluoromethane	<0.85		1.0	0.85	ug/L			04/09/16 16:09	1
1,1-Dichloroethane	<0.50		1.0	0.50	ug/L			04/09/16 16:09	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			04/09/16 16:09	1
1,1-Dichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 16:09	1
1,2-Dichloropropane	<0.50		1.0	0.50	ug/L			04/09/16 16:09	1
1,3-Dichloropropane	<0.50		1.0	0.50	ug/L			04/09/16 16:09	1
2,2-Dichloropropane	<0.50		1.0	0.50	ug/L			04/09/16 16:09	1
1,1-Dichloropropene	<0.50		1.0	0.50	ug/L			04/09/16 16:09	1
Ethylbenzene	<0.50		1.0	0.50	ug/L			04/09/16 16:09	1
Ethylene Dibromide	<0.50		1.0	0.50	ug/L			04/09/16 16:09	1
Hexachlorobutadiene	<0.90		5.0	0.90	ug/L			04/09/16 16:09	1
2-Hexanone	<3.1		25	3.1	ug/L			04/09/16 16:09	1
Isopropylbenzene	<0.53		1.0	0.53	ug/L			04/09/16 16:09	1
4-Isopropyltoluene	<0.71		1.0	0.71	ug/L			04/09/16 16:09	1
Methylene Chloride	<3.0		5.0	3.0	ug/L			04/09/16 16:09	1
4-Methyl-2-pentanone (MIBK)	<1.8		25	1.8	ug/L			04/09/16 16:09	1
Methyl tert-butyl ether	<0.74		1.0	0.74	ug/L			04/09/16 16:09	1
m-Xylene & p-Xylene	<1.6		5.0	1.6	ug/L			04/09/16 16:09	1
Naphthalene	<1.0		1.0	1.0	ug/L			04/09/16 16:09	1
n-Butylbenzene	<0.76		1.0	0.76	ug/L			04/09/16 16:09	1
N-Propylbenzene	<0.69		1.0	0.69	ug/L			04/09/16 16:09	1
o-Xylene	<0.60		5.0	0.60	ug/L			04/09/16 16:09	1
sec-Butylbenzene	<0.70		1.0	0.70	ug/L			04/09/16 16:09	1
Styrene	<1.0		1.0	1.0	ug/L			04/09/16 16:09	1
tert-Butylbenzene	<0.63		1.0	0.63	ug/L			04/09/16 16:09	1

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-1

Client Sample ID: MW-30D
Date Collected: 03/30/16 15:35
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-17
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.52		1.0	0.52	ug/L			04/09/16 16:09	1
1,1,2,2-Tetrachloroethane	<0.50		1.0	0.50	ug/L			04/09/16 16:09	1
Tetrachloroethene	<0.58		1.0	0.58	ug/L			04/09/16 16:09	1
Toluene	<0.70		1.0	0.70	ug/L			04/09/16 16:09	1
trans-1,2-Dichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 16:09	1
trans-1,3-Dichloropropene	<0.50		5.0	0.50	ug/L			04/09/16 16:09	1
1,2,3-Trichlorobenzene	<0.70		1.0	0.70	ug/L			04/09/16 16:09	1
1,2,4-Trichlorobenzene	<0.82		1.0	0.82	ug/L			04/09/16 16:09	1
1,1,1-Trichloroethane	<0.50		1.0	0.50	ug/L			04/09/16 16:09	1
1,1,2-Trichloroethane	<0.50		5.0	0.50	ug/L			04/09/16 16:09	1
Trichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 16:09	1
Trichlorofluoromethane	<0.52		1.0	0.52	ug/L			04/09/16 16:09	1
1,2,3-Trichloropropane	<0.84		5.0	0.84	ug/L			04/09/16 16:09	1
1,2,4-Trimethylbenzene	<0.82		1.0	0.82	ug/L			04/09/16 16:09	1
1,3,5-Trimethylbenzene	<0.56		1.0	0.56	ug/L			04/09/16 16:09	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			04/09/16 16:09	1
Xylenes, Total	<1.6		10	1.6	ug/L			04/09/16 16:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*78 -118*		*04/09/16 16:09*	*1*
Dibromofluoromethane	*98*		*81 -121*		*04/09/16 16:09*	*1*
Toluene-d8 (Surr)	*107*		*80 -120*		*04/09/16 16:09*	*1*

Client Sample ID: MW-46
Date Collected: 03/30/16 16:15
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-18
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		25	10	ug/L			04/09/16 16:40	1
Benzene	<0.38		1.0	0.38	ug/L			04/09/16 16:40	1
Bromobenzene	<0.54		1.0	0.54	ug/L			04/09/16 16:40	1
Bromoform	<0.71		5.0	0.71	ug/L			04/09/16 16:40	1
Bromomethane	<0.98		1.0	0.98	ug/L			04/09/16 16:40	1
2-Butanone (MEK)	<2.6		25	2.6	ug/L			04/09/16 16:40	1
Carbon disulfide	<0.50		1.0	0.50	ug/L			04/09/16 16:40	1
Carbon tetrachloride	<0.50		1.0	0.50	ug/L			04/09/16 16:40	1
Chlorobenzene	<0.50		1.0	0.50	ug/L			04/09/16 16:40	1
Chlorobromomethane	<0.52		1.0	0.52	ug/L			04/09/16 16:40	1
Chlorodibromomethane	<0.50		1.0	0.50	ug/L			04/09/16 16:40	1
Chloroethane	<0.76		1.0	0.76	ug/L			04/09/16 16:40	1
Chloroform	<0.60		1.0	0.60	ug/L			04/09/16 16:40	1
Chloromethane	<0.83		1.0	0.83	ug/L			04/09/16 16:40	1
2-Chlorotoluene	<0.57		1.0	0.57	ug/L			04/09/16 16:40	1
4-Chlorotoluene	<0.56		1.0	0.56	ug/L			04/09/16 16:40	1
cis-1,2-Dichloroethene	**6.0**		1.0	0.50	ug/L			04/09/16 16:40	1
cis-1,3-Dichloropropene	<0.50		5.0	0.50	ug/L			04/09/16 16:40	1
1,2-Dibromo-3-Chloropropane	<1.5		5.0	1.5	ug/L			04/09/16 16:40	1
Dibromomethane	<0.59		5.0	0.59	ug/L			04/09/16 16:40	1
1,2-Dichlorobenzene	<0.50		1.0	0.50	ug/L			04/09/16 16:40	1
1,3-Dichlorobenzene	<0.54		1.0	0.54	ug/L			04/09/16 16:40	1
1,4-Dichlorobenzene	<0.64		1.0	0.64	ug/L			04/09/16 16:40	1
Dichlorobromomethane	<0.50		1.0	0.50	ug/L			04/09/16 16:40	1
Dichlorodifluoromethane	<0.85		1.0	0.85	ug/L			04/09/16 16:40	1
1,1-Dichloroethane	<0.50		1.0	0.50	ug/L			04/09/16 16:40	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			04/09/16 16:40	1
1,1-Dichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 16:40	1
1,2-Dichloropropane	<0.50		1.0	0.50	ug/L			04/09/16 16:40	1
1,3-Dichloropropane	<0.50		1.0	0.50	ug/L			04/09/16 16:40	1
2,2-Dichloropropane	<0.50		1.0	0.50	ug/L			04/09/16 16:40	1
1,1-Dichloropropene	<0.50		1.0	0.50	ug/L			04/09/16 16:40	1
Ethylbenzene	<0.50		1.0	0.50	ug/L			04/09/16 16:40	1
Ethylene Dibromide	<0.50		1.0	0.50	ug/L			04/09/16 16:40	1
Hexachlorobutadiene	<0.90		5.0	0.90	ug/L			04/09/16 16:40	1
2-Hexanone	<3.1		25	3.1	ug/L			04/09/16 16:40	1
Isopropylbenzene	<0.53		1.0	0.53	ug/L			04/09/16 16:40	1
4-Isopropyltoluene	<0.71		1.0	0.71	ug/L			04/09/16 16:40	1
Methylene Chloride	<3.0		5.0	3.0	ug/L			04/09/16 16:40	1
4-Methyl-2-pentanone (MIBK)	<1.8		25	1.8	ug/L			04/09/16 16:40	1
Methyl tert-butyl ether	<0.74		1.0	0.74	ug/L			04/09/16 16:40	1
m-Xylene & p-Xylene	<1.6		5.0	1.6	ug/L			04/09/16 16:40	1
Naphthalene	<1.0		1.0	1.0	ug/L			04/09/16 16:40	1
n-Butylbenzene	<0.76		1.0	0.76	ug/L			04/09/16 16:40	1
N-Propylbenzene	<0.69		1.0	0.69	ug/L			04/09/16 16:40	1
o-Xylene	<0.60		5.0	0.60	ug/L			04/09/16 16:40	1
sec-Butylbenzene	<0.70		1.0	0.70	ug/L			04/09/16 16:40	1
Styrene	<1.0		1.0	1.0	ug/L			04/09/16 16:40	1
tert-Butylbenzene	<0.63		1.0	0.63	ug/L			04/09/16 16:40	1

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-1

Client Sample ID: MW-46
Date Collected: 03/30/16 16:15
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-18
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.52		1.0	0.52	ug/L			04/09/16 16:40	1
1,1,2,2-Tetrachloroethane	<0.50		1.0	0.50	ug/L			04/09/16 16:40	1
Tetrachloroethene	<0.58		1.0	0.58	ug/L			04/09/16 16:40	1
Toluene	<0.70		1.0	0.70	ug/L			04/09/16 16:40	1
trans-1,2-Dichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 16:40	1
trans-1,3-Dichloropropene	<0.50		5.0	0.50	ug/L			04/09/16 16:40	1
1,2,3-Trichlorobenzene	<0.70		1.0	0.70	ug/L			04/09/16 16:40	1
1,2,4-Trichlorobenzene	<0.82		1.0	0.82	ug/L			04/09/16 16:40	1
1,1,1-Trichloroethane	<0.50		1.0	0.50	ug/L			04/09/16 16:40	1
1,1,2-Trichloroethane	<0.50		5.0	0.50	ug/L			04/09/16 16:40	1
Trichloroethene	**200**		1.0	0.50	ug/L			04/09/16 16:40	1
Trichlorofluoromethane	<0.52		1.0	0.52	ug/L			04/09/16 16:40	1
1,2,3-Trichloropropane	<0.84		5.0	0.84	ug/L			04/09/16 16:40	1
1,2,4-Trimethylbenzene	<0.82		1.0	0.82	ug/L			04/09/16 16:40	1
1,3,5-Trimethylbenzene	<0.56		1.0	0.56	ug/L			04/09/16 16:40	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			04/09/16 16:40	1
Xylenes, Total	<1.6		10	1.6	ug/L			04/09/16 16:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*78 -118*		*04/09/16 16:40*	*1*
Dibromofluoromethane	*100*		*81 -121*		*04/09/16 16:40*	*1*
Toluene-d8 (Surr)	*106*		*80 -120*		*04/09/16 16:40*	*1*

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-1

Client Sample ID: MW-28S
Date Collected: 03/30/16 16:55
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-19
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		25	10	ug/L			04/09/16 17:01	1
Benzene	<0.38		1.0	0.38	ug/L			04/09/16 17:01	1
Bromobenzene	<0.54		1.0	0.54	ug/L			04/09/16 17:01	1
Bromoform	<0.71		5.0	0.71	ug/L			04/09/16 17:01	1
Bromomethane	<0.98		1.0	0.98	ug/L			04/09/16 17:01	1
2-Butanone (MEK)	<2.6		25	2.6	ug/L			04/09/16 17:01	1
Carbon disulfide	<0.50		1.0	0.50	ug/L			04/09/16 17:01	1
Carbon tetrachloride	<0.50		1.0	0.50	ug/L			04/09/16 17:01	1
Chlorobenzene	<0.50		1.0	0.50	ug/L			04/09/16 17:01	1
Chlorobromomethane	<0.52		1.0	0.52	ug/L			04/09/16 17:01	1
Chlorodibromomethane	<0.50		1.0	0.50	ug/L			04/09/16 17:01	1
Chloroethane	<0.76		1.0	0.76	ug/L			04/09/16 17:01	1
Chloroform	<0.60		1.0	0.60	ug/L			04/09/16 17:01	1
Chloromethane	<0.83		1.0	0.83	ug/L			04/09/16 17:01	1
2-Chlorotoluene	<0.57		1.0	0.57	ug/L			04/09/16 17:01	1
4-Chlorotoluene	<0.56		1.0	0.56	ug/L			04/09/16 17:01	1
cis-1,2-Dichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 17:01	1
cis-1,3-Dichloropropene	<0.50		5.0	0.50	ug/L			04/09/16 17:01	1
1,2-Dibromo-3-Chloropropane	<1.5		5.0	1.5	ug/L			04/09/16 17:01	1
Dibromomethane	<0.59		5.0	0.59	ug/L			04/09/16 17:01	1
1,2-Dichlorobenzene	<0.50		1.0	0.50	ug/L			04/09/16 17:01	1
1,3-Dichlorobenzene	<0.54		1.0	0.54	ug/L			04/09/16 17:01	1
1,4-Dichlorobenzene	<0.64		1.0	0.64	ug/L			04/09/16 17:01	1
Dichlorobromomethane	<0.50		1.0	0.50	ug/L			04/09/16 17:01	1
Dichlorodifluoromethane	<0.85		1.0	0.85	ug/L			04/09/16 17:01	1
1,1-Dichloroethane	<0.50		1.0	0.50	ug/L			04/09/16 17:01	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			04/09/16 17:01	1
1,1-Dichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 17:01	1
1,2-Dichloropropane	<0.50		1.0	0.50	ug/L			04/09/16 17:01	1
1,3-Dichloropropane	<0.50		1.0	0.50	ug/L			04/09/16 17:01	1
2,2-Dichloropropane	<0.50		1.0	0.50	ug/L			04/09/16 17:01	1
1,1-Dichloropropene	<0.50		1.0	0.50	ug/L			04/09/16 17:01	1
Ethylbenzene	<0.50		1.0	0.50	ug/L			04/09/16 17:01	1
Ethylene Dibromide	<0.50		1.0	0.50	ug/L			04/09/16 17:01	1
Hexachlorobutadiene	<0.90		5.0	0.90	ug/L			04/09/16 17:01	1
2-Hexanone	<3.1		25	3.1	ug/L			04/09/16 17:01	1
Isopropylbenzene	<0.53		1.0	0.53	ug/L			04/09/16 17:01	1
4-Isopropyltoluene	<0.71		1.0	0.71	ug/L			04/09/16 17:01	1
Methylene Chloride	<3.0		5.0	3.0	ug/L			04/09/16 17:01	1
4-Methyl-2-pentanone (MIBK)	<1.8		25	1.8	ug/L			04/09/16 17:01	1
Methyl tert-butyl ether	<0.74		1.0	0.74	ug/L			04/09/16 17:01	1
m-Xylene & p-Xylene	<1.6		5.0	1.6	ug/L			04/09/16 17:01	1
Naphthalene	<1.0		1.0	1.0	ug/L			04/09/16 17:01	1
n-Butylbenzene	<0.76		1.0	0.76	ug/L			04/09/16 17:01	1
N-Propylbenzene	<0.69		1.0	0.69	ug/L			04/09/16 17:01	1
o-Xylene	<0.60		5.0	0.60	ug/L			04/09/16 17:01	1
sec-Butylbenzene	<0.70		1.0	0.70	ug/L			04/09/16 17:01	1
Styrene	<1.0		1.0	1.0	ug/L			04/09/16 17:01	1
tert-Butylbenzene	<0.63		1.0	0.63	ug/L			04/09/16 17:01	1

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-1

Client Sample ID: MW-28S
Date Collected: 03/30/16 16:55
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-19
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.52		1.0	0.52	ug/L			04/09/16 17:01	1
1,1,2,2-Tetrachloroethane	<0.50		1.0	0.50	ug/L			04/09/16 17:01	1
Tetrachloroethene	<0.58		1.0	0.58	ug/L			04/09/16 17:01	1
Toluene	<0.70		1.0	0.70	ug/L			04/09/16 17:01	1
trans-1,2-Dichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 17:01	1
trans-1,3-Dichloropropene	<0.50		5.0	0.50	ug/L			04/09/16 17:01	1
1,2,3-Trichlorobenzene	<0.70		1.0	0.70	ug/L			04/09/16 17:01	1
1,2,4-Trichlorobenzene	<0.82		1.0	0.82	ug/L			04/09/16 17:01	1
1,1,1-Trichloroethane	<0.50		1.0	0.50	ug/L			04/09/16 17:01	1
1,1,2-Trichloroethane	<0.50		5.0	0.50	ug/L			04/09/16 17:01	1
Trichloroethene	**0.70**	**J**	1.0	0.50	ug/L			04/09/16 17:01	1
Trichlorofluoromethane	<0.52		1.0	0.52	ug/L			04/09/16 17:01	1
1,2,3-Trichloropropane	<0.84		5.0	0.84	ug/L			04/09/16 17:01	1
1,2,4-Trimethylbenzene	<0.82		1.0	0.82	ug/L			04/09/16 17:01	1
1,3,5-Trimethylbenzene	<0.56		1.0	0.56	ug/L			04/09/16 17:01	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			04/09/16 17:01	1
Xylenes, Total	<1.6		10	1.6	ug/L			04/09/16 17:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*78 -118*		*04/09/16 17:01*	*1*
Dibromofluoromethane	*97*		*81 -121*		*04/09/16 17:01*	*1*
Toluene-d8 (Surr)	*103*		*80 -120*		*04/09/16 17:01*	*1*

Client Sample ID: MW-28D
Date Collected: 03/30/16 17:25
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-20
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		25	10	ug/L			04/09/16 17:23	1
Benzene	<0.38		1.0	0.38	ug/L			04/09/16 17:23	1
Bromobenzene	<0.54		1.0	0.54	ug/L			04/09/16 17:23	1
Bromoform	<0.71		5.0	0.71	ug/L			04/09/16 17:23	1
Bromomethane	<0.98		1.0	0.98	ug/L			04/09/16 17:23	1
2-Butanone (MEK)	<2.6		25	2.6	ug/L			04/09/16 17:23	1
Carbon disulfide	<0.50		1.0	0.50	ug/L			04/09/16 17:23	1
Carbon tetrachloride	<0.50		1.0	0.50	ug/L			04/09/16 17:23	1
Chlorobenzene	<0.50		1.0	0.50	ug/L			04/09/16 17:23	1
Chlorobromomethane	<0.52		1.0	0.52	ug/L			04/09/16 17:23	1
Chlorodibromomethane	<0.50		1.0	0.50	ug/L			04/09/16 17:23	1
Chloroethane	<0.76		1.0	0.76	ug/L			04/09/16 17:23	1
Chloroform	<0.60		1.0	0.60	ug/L			04/09/16 17:23	1
Chloromethane	<0.83		1.0	0.83	ug/L			04/09/16 17:23	1
2-Chlorotoluene	<0.57		1.0	0.57	ug/L			04/09/16 17:23	1
4-Chlorotoluene	<0.56		1.0	0.56	ug/L			04/09/16 17:23	1
cis-1,2-Dichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 17:23	1
cis-1,3-Dichloropropene	<0.50		5.0	0.50	ug/L			04/09/16 17:23	1
1,2-Dibromo-3-Chloropropane	<1.5		5.0	1.5	ug/L			04/09/16 17:23	1
Dibromomethane	<0.59		5.0	0.59	ug/L			04/09/16 17:23	1
1,2-Dichlorobenzene	<0.50		1.0	0.50	ug/L			04/09/16 17:23	1
1,3-Dichlorobenzene	<0.54		1.0	0.54	ug/L			04/09/16 17:23	1
1,4-Dichlorobenzene	<0.64		1.0	0.64	ug/L			04/09/16 17:23	1
Dichlorobromomethane	<0.50		1.0	0.50	ug/L			04/09/16 17:23	1
Dichlorodifluoromethane	<0.85		1.0	0.85	ug/L			04/09/16 17:23	1
1,1-Dichloroethane	<0.50		1.0	0.50	ug/L			04/09/16 17:23	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			04/09/16 17:23	1
1,1-Dichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 17:23	1
1,2-Dichloropropane	<0.50		1.0	0.50	ug/L			04/09/16 17:23	1
1,3-Dichloropropane	<0.50		1.0	0.50	ug/L			04/09/16 17:23	1
2,2-Dichloropropane	<0.50		1.0	0.50	ug/L			04/09/16 17:23	1
1,1-Dichloropropene	<0.50		1.0	0.50	ug/L			04/09/16 17:23	1
Ethylbenzene	<0.50		1.0	0.50	ug/L			04/09/16 17:23	1
Ethylene Dibromide	<0.50		1.0	0.50	ug/L			04/09/16 17:23	1
Hexachlorobutadiene	<0.90		5.0	0.90	ug/L			04/09/16 17:23	1
2-Hexanone	<3.1		25	3.1	ug/L			04/09/16 17:23	1
Isopropylbenzene	<0.53		1.0	0.53	ug/L			04/09/16 17:23	1
4-Isopropyltoluene	<0.71		1.0	0.71	ug/L			04/09/16 17:23	1
Methylene Chloride	<3.0		5.0	3.0	ug/L			04/09/16 17:23	1
4-Methyl-2-pentanone (MIBK)	<1.8		25	1.8	ug/L			04/09/16 17:23	1
Methyl tert-butyl ether	<0.74		1.0	0.74	ug/L			04/09/16 17:23	1
m-Xylene & p-Xylene	<1.6		5.0	1.6	ug/L			04/09/16 17:23	1
Naphthalene	<1.0		1.0	1.0	ug/L			04/09/16 17:23	1
n-Butylbenzene	<0.76		1.0	0.76	ug/L			04/09/16 17:23	1
N-Propylbenzene	<0.69		1.0	0.69	ug/L			04/09/16 17:23	1
o-Xylene	<0.60		5.0	0.60	ug/L			04/09/16 17:23	1
sec-Butylbenzene	<0.70		1.0	0.70	ug/L			04/09/16 17:23	1
Styrene	<1.0		1.0	1.0	ug/L			04/09/16 17:23	1
tert-Butylbenzene	<0.63		1.0	0.63	ug/L			04/09/16 17:23	1

Client Sample ID: MW-28D
Date Collected: 03/30/16 17:25
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-20
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.52		1.0	0.52	ug/L			04/09/16 17:23	1
1,1,2,2-Tetrachloroethane	<0.50		1.0	0.50	ug/L			04/09/16 17:23	1
Tetrachloroethene	<0.58		1.0	0.58	ug/L			04/09/16 17:23	1
Toluene	<0.70		1.0	0.70	ug/L			04/09/16 17:23	1
trans-1,2-Dichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 17:23	1
trans-1,3-Dichloropropene	<0.50		5.0	0.50	ug/L			04/09/16 17:23	1
1,2,3-Trichlorobenzene	<0.70		1.0	0.70	ug/L			04/09/16 17:23	1
1,2,4-Trichlorobenzene	<0.82		1.0	0.82	ug/L			04/09/16 17:23	1
1,1,1-Trichloroethane	<0.50		1.0	0.50	ug/L			04/09/16 17:23	1
1,1,2-Trichloroethane	<0.50		5.0	0.50	ug/L			04/09/16 17:23	1
Trichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 17:23	1
Trichlorofluoromethane	<0.52		1.0	0.52	ug/L			04/09/16 17:23	1
1,2,3-Trichloropropane	<0.84		5.0	0.84	ug/L			04/09/16 17:23	1
1,2,4-Trimethylbenzene	<0.82		1.0	0.82	ug/L			04/09/16 17:23	1
1,3,5-Trimethylbenzene	<0.56		1.0	0.56	ug/L			04/09/16 17:23	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			04/09/16 17:23	1
Xylenes, Total	<1.6		10	1.6	ug/L			04/09/16 17:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*78 -118*		*04/09/16 17:23*	*1*
Dibromofluoromethane	*97*		*81 -121*		*04/09/16 17:23*	*1*
Toluene-d8 (Surr)	*103*		*80 -120*		*04/09/16 17:23*	*1*

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-1

Client Sample ID: MW-35
Date Collected: 03/31/16 09:35
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-21
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		25	10	ug/L			04/10/16 15:50	1
Benzene	<0.38		1.0	0.38	ug/L			04/10/16 15:50	1
Bromobenzene	<0.54		1.0	0.54	ug/L			04/10/16 15:50	1
Bromoform	<0.71		5.0	0.71	ug/L			04/10/16 15:50	1
Bromomethane	**1.0**		1.0	0.98	ug/L			04/10/16 15:50	1
2-Butanone (MEK)	<2.6		25	2.6	ug/L			04/10/16 15:50	1
Carbon disulfide	<0.50		1.0	0.50	ug/L			04/10/16 15:50	1
Carbon tetrachloride	<0.50		1.0	0.50	ug/L			04/10/16 15:50	1
Chlorobenzene	<0.50		1.0	0.50	ug/L			04/10/16 15:50	1
Chlorobromomethane	<0.52		1.0	0.52	ug/L			04/10/16 15:50	1
Chlorodibromomethane	<0.50		1.0	0.50	ug/L			04/10/16 15:50	1
Chloroethane	<0.76		1.0	0.76	ug/L			04/10/16 15:50	1
Chloroform	<0.60		1.0	0.60	ug/L			04/10/16 15:50	1
Chloromethane	<0.83		1.0	0.83	ug/L			04/10/16 15:50	1
2-Chlorotoluene	<0.57		1.0	0.57	ug/L			04/10/16 15:50	1
4-Chlorotoluene	<0.56		1.0	0.56	ug/L			04/10/16 15:50	1
cis-1,2-Dichloroethene	**4.0**		1.0	0.50	ug/L			04/10/16 15:50	1
cis-1,3-Dichloropropene	<0.50		5.0	0.50	ug/L			04/10/16 15:50	1
1,2-Dibromo-3-Chloropropane	<1.5		5.0	1.5	ug/L			04/10/16 15:50	1
Dibromomethane	<0.59		5.0	0.59	ug/L			04/10/16 15:50	1
1,2-Dichlorobenzene	<0.50		1.0	0.50	ug/L			04/10/16 15:50	1
1,3-Dichlorobenzene	<0.54		1.0	0.54	ug/L			04/10/16 15:50	1
1,4-Dichlorobenzene	<0.64		1.0	0.64	ug/L			04/10/16 15:50	1
Dichlorobromomethane	<0.50		1.0	0.50	ug/L			04/10/16 15:50	1
Dichlorodifluoromethane	<0.85		1.0	0.85	ug/L			04/10/16 15:50	1
1,1-Dichloroethane	<0.50		1.0	0.50	ug/L			04/10/16 15:50	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			04/10/16 15:50	1
1,1-Dichloroethene	<0.50		1.0	0.50	ug/L			04/10/16 15:50	1
1,2-Dichloropropane	<0.50		1.0	0.50	ug/L			04/10/16 15:50	1
1,3-Dichloropropane	<0.50		1.0	0.50	ug/L			04/10/16 15:50	1
2,2-Dichloropropane	<0.50		1.0	0.50	ug/L			04/10/16 15:50	1
1,1-Dichloropropene	<0.50		1.0	0.50	ug/L			04/10/16 15:50	1
Ethylbenzene	<0.50		1.0	0.50	ug/L			04/10/16 15:50	1
Ethylene Dibromide	<0.50		1.0	0.50	ug/L			04/10/16 15:50	1
Hexachlorobutadiene	<0.90		5.0	0.90	ug/L			04/10/16 15:50	1
2-Hexanone	<3.1		25	3.1	ug/L			04/10/16 15:50	1
Isopropylbenzene	<0.53		1.0	0.53	ug/L			04/10/16 15:50	1
4-Isopropyltoluene	<0.71		1.0	0.71	ug/L			04/10/16 15:50	1
Methylene Chloride	<3.0		5.0	3.0	ug/L			04/10/16 15:50	1
4-Methyl-2-pentanone (MIBK)	<1.8		25	1.8	ug/L			04/10/16 15:50	1
Methyl tert-butyl ether	<0.74		1.0	0.74	ug/L			04/10/16 15:50	1
m-Xylene & p-Xylene	<1.6		5.0	1.6	ug/L			04/10/16 15:50	1
Naphthalene	<1.0		1.0	1.0	ug/L			04/10/16 15:50	1
n-Butylbenzene	<0.76		1.0	0.76	ug/L			04/10/16 15:50	1
N-Propylbenzene	<0.69		1.0	0.69	ug/L			04/10/16 15:50	1
o-Xylene	<0.60		5.0	0.60	ug/L			04/10/16 15:50	1
sec-Butylbenzene	<0.70		1.0	0.70	ug/L			04/10/16 15:50	1
Styrene	<1.0		1.0	1.0	ug/L			04/10/16 15:50	1
tert-Butylbenzene	<0.63		1.0	0.63	ug/L			04/10/16 15:50	1

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-1

Client Sample ID: MW-35
Date Collected: 03/31/16 09:35
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-21
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.52		1.0	0.52	ug/L			04/10/16 15:50	1
1,1,2,2-Tetrachloroethane	<0.50		1.0	0.50	ug/L			04/10/16 15:50	1
Tetrachloroethene	<0.58		1.0	0.58	ug/L			04/10/16 15:50	1
Toluene	<0.70		1.0	0.70	ug/L			04/10/16 15:50	1
trans-1,2-Dichloroethene	<0.50		1.0	0.50	ug/L			04/10/16 15:50	1
trans-1,3-Dichloropropene	<0.50		5.0	0.50	ug/L			04/10/16 15:50	1
1,2,3-Trichlorobenzene	<0.70		1.0	0.70	ug/L			04/10/16 15:50	1
1,2,4-Trichlorobenzene	<0.82		1.0	0.82	ug/L			04/10/16 15:50	1
1,1,1-Trichloroethane	<0.50		1.0	0.50	ug/L			04/10/16 15:50	1
1,1,2-Trichloroethane	<0.50		5.0	0.50	ug/L			04/10/16 15:50	1
Trichloroethene	**220**		1.0	0.50	ug/L			04/10/16 15:50	1
Trichlorofluoromethane	<0.52		1.0	0.52	ug/L			04/10/16 15:50	1
1,2,3-Trichloropropane	<0.84		5.0	0.84	ug/L			04/10/16 15:50	1
1,2,4-Trimethylbenzene	<0.82		1.0	0.82	ug/L			04/10/16 15:50	1
1,3,5-Trimethylbenzene	<0.56		1.0	0.56	ug/L			04/10/16 15:50	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			04/10/16 15:50	1
Xylenes, Total	<1.6		10	1.6	ug/L			04/10/16 15:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*78 -118*		*04/10/16 15:50*	*1*
Dibromofluoromethane	*102*		*81 -121*		*04/10/16 15:50*	*1*
Toluene-d8 (Surr)	*109*		*80 -120*		*04/10/16 15:50*	*1*

Client Sample ID: CS-2
Date Collected: 03/31/16 09:45
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-22
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		25	10	ug/L			04/10/16 16:10	1
Benzene	<0.38		1.0	0.38	ug/L			04/10/16 16:10	1
Bromobenzene	<0.54		1.0	0.54	ug/L			04/10/16 16:10	1
Bromoform	<0.71		5.0	0.71	ug/L			04/10/16 16:10	1
Bromomethane	<0.98		1.0	0.98	ug/L			04/10/16 16:10	1
2-Butanone (MEK)	<2.6		25	2.6	ug/L			04/10/16 16:10	1
Carbon disulfide	<0.50		1.0	0.50	ug/L			04/10/16 16:10	1
Carbon tetrachloride	<0.50		1.0	0.50	ug/L			04/10/16 16:10	1
Chlorobenzene	<0.50		1.0	0.50	ug/L			04/10/16 16:10	1
Chlorobromomethane	<0.52		1.0	0.52	ug/L			04/10/16 16:10	1
Chlorodibromomethane	<0.50		1.0	0.50	ug/L			04/10/16 16:10	1
Chloroethane	<0.76		1.0	0.76	ug/L			04/10/16 16:10	1
Chloroform	<0.60		1.0	0.60	ug/L			04/10/16 16:10	1
Chloromethane	<0.83		1.0	0.83	ug/L			04/10/16 16:10	1
2-Chlorotoluene	<0.57		1.0	0.57	ug/L			04/10/16 16:10	1
4-Chlorotoluene	<0.56		1.0	0.56	ug/L			04/10/16 16:10	1
cis-1,2-Dichloroethene	<0.50		1.0	0.50	ug/L			04/10/16 16:10	1
cis-1,3-Dichloropropene	<0.50		5.0	0.50	ug/L			04/10/16 16:10	1
1,2-Dibromo-3-Chloropropane	<1.5		5.0	1.5	ug/L			04/10/16 16:10	1
Dibromomethane	<0.59		5.0	0.59	ug/L			04/10/16 16:10	1
1,2-Dichlorobenzene	<0.50		1.0	0.50	ug/L			04/10/16 16:10	1
1,3-Dichlorobenzene	<0.54		1.0	0.54	ug/L			04/10/16 16:10	1
1,4-Dichlorobenzene	<0.64		1.0	0.64	ug/L			04/10/16 16:10	1
Dichlorobromomethane	<0.50		1.0	0.50	ug/L			04/10/16 16:10	1
Dichlorodifluoromethane	<0.85		1.0	0.85	ug/L			04/10/16 16:10	1
1,1-Dichloroethane	<0.50		1.0	0.50	ug/L			04/10/16 16:10	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			04/10/16 16:10	1
1,1-Dichloroethene	<0.50		1.0	0.50	ug/L			04/10/16 16:10	1
1,2-Dichloropropane	<0.50		1.0	0.50	ug/L			04/10/16 16:10	1
1,3-Dichloropropane	<0.50		1.0	0.50	ug/L			04/10/16 16:10	1
2,2-Dichloropropane	<0.50		1.0	0.50	ug/L			04/10/16 16:10	1
1,1-Dichloropropene	<0.50		1.0	0.50	ug/L			04/10/16 16:10	1
Ethylbenzene	<0.50		1.0	0.50	ug/L			04/10/16 16:10	1
Ethylene Dibromide	<0.50		1.0	0.50	ug/L			04/10/16 16:10	1
Hexachlorobutadiene	<0.90		5.0	0.90	ug/L			04/10/16 16:10	1
2-Hexanone	<3.1		25	3.1	ug/L			04/10/16 16:10	1
Isopropylbenzene	<0.53		1.0	0.53	ug/L			04/10/16 16:10	1
4-Isopropyltoluene	<0.71		1.0	0.71	ug/L			04/10/16 16:10	1
Methylene Chloride	<3.0		5.0	3.0	ug/L			04/10/16 16:10	1
4-Methyl-2-pentanone (MIBK)	<1.8		25	1.8	ug/L			04/10/16 16:10	1
Methyl tert-butyl ether	<0.74		1.0	0.74	ug/L			04/10/16 16:10	1
m-Xylene & p-Xylene	<1.6		5.0	1.6	ug/L			04/10/16 16:10	1
Naphthalene	<1.0		1.0	1.0	ug/L			04/10/16 16:10	1
n-Butylbenzene	<0.76		1.0	0.76	ug/L			04/10/16 16:10	1
N-Propylbenzene	<0.69		1.0	0.69	ug/L			04/10/16 16:10	1
o-Xylene	<0.60		5.0	0.60	ug/L			04/10/16 16:10	1
sec-Butylbenzene	<0.70		1.0	0.70	ug/L			04/10/16 16:10	1
Styrene	<1.0		1.0	1.0	ug/L			04/10/16 16:10	1
tert-Butylbenzene	<0.63		1.0	0.63	ug/L			04/10/16 16:10	1

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-1

Client Sample ID: CS-2
Date Collected: 03/31/16 09:45
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-22
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.52		1.0	0.52	ug/L			04/10/16 16:10	1
1,1,2,2-Tetrachloroethane	<0.50		1.0	0.50	ug/L			04/10/16 16:10	1
Tetrachloroethene	<0.58		1.0	0.58	ug/L			04/10/16 16:10	1
Toluene	<0.70		1.0	0.70	ug/L			04/10/16 16:10	1
trans-1,2-Dichloroethene	<0.50		1.0	0.50	ug/L			04/10/16 16:10	1
trans-1,3-Dichloropropene	<0.50		5.0	0.50	ug/L			04/10/16 16:10	1
1,2,3-Trichlorobenzene	<0.70		1.0	0.70	ug/L			04/10/16 16:10	1
1,2,4-Trichlorobenzene	<0.82		1.0	0.82	ug/L			04/10/16 16:10	1
1,1,1-Trichloroethane	<0.50		1.0	0.50	ug/L			04/10/16 16:10	1
1,1,2-Trichloroethane	<0.50		5.0	0.50	ug/L			04/10/16 16:10	1
Trichloroethene	<0.50		1.0	0.50	ug/L			04/10/16 16:10	1
Trichlorofluoromethane	<0.52		1.0	0.52	ug/L			04/10/16 16:10	1
1,2,3-Trichloropropane	<0.84		5.0	0.84	ug/L			04/10/16 16:10	1
1,2,4-Trimethylbenzene	<0.82		1.0	0.82	ug/L			04/10/16 16:10	1
1,3,5-Trimethylbenzene	<0.56		1.0	0.56	ug/L			04/10/16 16:10	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			04/10/16 16:10	1
Xylenes, Total	<1.6		10	1.6	ug/L			04/10/16 16:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*78 -118*		*04/10/16 16:10*	*1*
Dibromofluoromethane	*103*		*81 -121*		*04/10/16 16:10*	*1*
Toluene-d8 (Surr)	*107*		*80 -120*		*04/10/16 16:10*	*1*

Client Sample ID: MW-27
Date Collected: 03/31/16 10:30
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-23
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<50		130	50	ug/L			04/10/16 14:28	5
Benzene	<1.9		5.0	1.9	ug/L			04/10/16 14:28	5
Bromobenzene	<2.7		5.0	2.7	ug/L			04/10/16 14:28	5
Bromoform	<3.6		25	3.6	ug/L			04/10/16 14:28	5
Bromomethane	<4.9		5.0	4.9	ug/L			04/10/16 14:28	5
2-Butanone (MEK)	<13		130	13	ug/L			04/10/16 14:28	5
Carbon disulfide	<2.5		5.0	2.5	ug/L			04/10/16 14:28	5
Carbon tetrachloride	<2.5		5.0	2.5	ug/L			04/10/16 14:28	5
Chlorobenzene	<2.5		5.0	2.5	ug/L			04/10/16 14:28	5
Chlorobromomethane	<2.6		5.0	2.6	ug/L			04/10/16 14:28	5
Chlorodibromomethane	<2.5		5.0	2.5	ug/L			04/10/16 14:28	5
Chloroethane	<3.8		5.0	3.8	ug/L			04/10/16 14:28	5
Chloroform	<3.0		5.0	3.0	ug/L			04/10/16 14:28	5
Chloromethane	<4.2		5.0	4.2	ug/L			04/10/16 14:28	5
2-Chlorotoluene	<2.9		5.0	2.9	ug/L			04/10/16 14:28	5
4-Chlorotoluene	<2.8		5.0	2.8	ug/L			04/10/16 14:28	5
cis-1,2-Dichloroethene	**140**		5.0	2.5	ug/L			04/10/16 14:28	5
cis-1,3-Dichloropropene	<2.5		25	2.5	ug/L			04/10/16 14:28	5
1,2-Dibromo-3-Chloropropane	<7.5		25	7.5	ug/L			04/10/16 14:28	5
Dibromomethane	<3.0		25	3.0	ug/L			04/10/16 14:28	5
1,2-Dichlorobenzene	<2.5		5.0	2.5	ug/L			04/10/16 14:28	5
1,3-Dichlorobenzene	<2.7		5.0	2.7	ug/L			04/10/16 14:28	5
1,4-Dichlorobenzene	<3.2		5.0	3.2	ug/L			04/10/16 14:28	5
Dichlorobromomethane	<2.5		5.0	2.5	ug/L			04/10/16 14:28	5
Dichlorodifluoromethane	<4.3		5.0	4.3	ug/L			04/10/16 14:28	5
1,1-Dichloroethane	<2.5		5.0	2.5	ug/L			04/10/16 14:28	5
1,2-Dichloroethane	<2.5		5.0	2.5	ug/L			04/10/16 14:28	5
1,1-Dichloroethene	<2.5		5.0	2.5	ug/L			04/10/16 14:28	5
1,2-Dichloropropane	<2.5		5.0	2.5	ug/L			04/10/16 14:28	5
1,3-Dichloropropane	<2.5		5.0	2.5	ug/L			04/10/16 14:28	5
2,2-Dichloropropane	<2.5		5.0	2.5	ug/L			04/10/16 14:28	5
1,1-Dichloropropene	<2.5		5.0	2.5	ug/L			04/10/16 14:28	5
Ethylbenzene	<2.5		5.0	2.5	ug/L			04/10/16 14:28	5
Ethylene Dibromide	<2.5		5.0	2.5	ug/L			04/10/16 14:28	5
Hexachlorobutadiene	<4.5		25	4.5	ug/L			04/10/16 14:28	5
2-Hexanone	<16		130	16	ug/L			04/10/16 14:28	5
Isopropylbenzene	<2.7		5.0	2.7	ug/L			04/10/16 14:28	5
4-Isopropyltoluene	<3.6		5.0	3.6	ug/L			04/10/16 14:28	5
Methylene Chloride	<15		25	15	ug/L			04/10/16 14:28	5
4-Methyl-2-pentanone (MIBK)	<9.0		130	9.0	ug/L			04/10/16 14:28	5
Methyl tert-butyl ether	<3.7		5.0	3.7	ug/L			04/10/16 14:28	5
m-Xylene & p-Xylene	<8.0		25	8.0	ug/L			04/10/16 14:28	5
Naphthalene	<5.0		5.0	5.0	ug/L			04/10/16 14:28	5
n-Butylbenzene	<3.8		5.0	3.8	ug/L			04/10/16 14:28	5
N-Propylbenzene	<3.5		5.0	3.5	ug/L			04/10/16 14:28	5
o-Xylene	<3.0		25	3.0	ug/L			04/10/16 14:28	5
sec-Butylbenzene	<3.5		5.0	3.5	ug/L			04/10/16 14:28	5
Styrene	<5.0		5.0	5.0	ug/L			04/10/16 14:28	5
tert-Butylbenzene	<3.2		5.0	3.2	ug/L			04/10/16 14:28	5

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-1

Client Sample ID: MW-27
Date Collected: 03/31/16 10:30
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-23
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<2.6		5.0	2.6	ug/L			04/10/16 14:28	5
1,1,2,2-Tetrachloroethane	<2.5		5.0	2.5	ug/L			04/10/16 14:28	5
Tetrachloroethene	<2.9		5.0	2.9	ug/L			04/10/16 14:28	5
Toluene	<3.5		5.0	3.5	ug/L			04/10/16 14:28	5
trans-1,2-Dichloroethene	<2.5		5.0	2.5	ug/L			04/10/16 14:28	5
trans-1,3-Dichloropropene	<2.5		25	2.5	ug/L			04/10/16 14:28	5
1,2,3-Trichlorobenzene	<3.5		5.0	3.5	ug/L			04/10/16 14:28	5
1,2,4-Trichlorobenzene	<4.1		5.0	4.1	ug/L			04/10/16 14:28	5
1,1,1-Trichloroethane	<2.5		5.0	2.5	ug/L			04/10/16 14:28	5
1,1,2-Trichloroethane	<2.5		25	2.5	ug/L			04/10/16 14:28	5
Trichloroethene	**1200**		5.0	2.5	ug/L			04/10/16 14:28	5
Trichlorofluoromethane	<2.6		5.0	2.6	ug/L			04/10/16 14:28	5
1,2,3-Trichloropropane	<4.2		25	4.2	ug/L			04/10/16 14:28	5
1,2,4-Trimethylbenzene	<4.1		5.0	4.1	ug/L			04/10/16 14:28	5
1,3,5-Trimethylbenzene	<2.8		5.0	2.8	ug/L			04/10/16 14:28	5
Vinyl chloride	<2.5		5.0	2.5	ug/L			04/10/16 14:28	5
Xylenes, Total	<8.0		50	8.0	ug/L			04/10/16 14:28	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*78 -118*		*04/10/16 14:28*	*5*
Dibromofluoromethane	*100*		*81 -121*		*04/10/16 14:28*	*5*
Toluene-d8 (Surr)	*107*		*80 -120*		*04/10/16 14:28*	*5*

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-1

Client Sample ID: MW-37
Date Collected: 03/31/16 11:15
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-24
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<50		130	50	ug/L			04/10/16 19:54	5
Benzene	<1.9		5.0	1.9	ug/L			04/10/16 19:54	5
Bromobenzene	<2.7		5.0	2.7	ug/L			04/10/16 19:54	5
Bromoform	<3.6		25	3.6	ug/L			04/10/16 19:54	5
Bromomethane	<4.9		5.0	4.9	ug/L			04/10/16 19:54	5
2-Butanone (MEK)	<13		130	13	ug/L			04/10/16 19:54	5
Carbon disulfide	<2.5		5.0	2.5	ug/L			04/10/16 19:54	5
Carbon tetrachloride	<2.5		5.0	2.5	ug/L			04/10/16 19:54	5
Chlorobenzene	<2.5		5.0	2.5	ug/L			04/10/16 19:54	5
Chlorobromomethane	<2.6		5.0	2.6	ug/L			04/10/16 19:54	5
Chlorodibromomethane	<2.5		5.0	2.5	ug/L			04/10/16 19:54	5
Chloroethane	<3.8		5.0	3.8	ug/L			04/10/16 19:54	5
Chloroform	<3.0		5.0	3.0	ug/L			04/10/16 19:54	5
Chloromethane	<4.2		5.0	4.2	ug/L			04/10/16 19:54	5
2-Chlorotoluene	<2.9		5.0	2.9	ug/L			04/10/16 19:54	5
4-Chlorotoluene	<2.8		5.0	2.8	ug/L			04/10/16 19:54	5
cis-1,2-Dichloroethene	**81**		5.0	2.5	ug/L			04/10/16 19:54	5
cis-1,3-Dichloropropene	<2.5		25	2.5	ug/L			04/10/16 19:54	5
1,2-Dibromo-3-Chloropropane	<7.5		25	7.5	ug/L			04/10/16 19:54	5
Dibromomethane	<3.0		25	3.0	ug/L			04/10/16 19:54	5
1,2-Dichlorobenzene	<2.5		5.0	2.5	ug/L			04/10/16 19:54	5
1,3-Dichlorobenzene	<2.7		5.0	2.7	ug/L			04/10/16 19:54	5
1,4-Dichlorobenzene	<3.2		5.0	3.2	ug/L			04/10/16 19:54	5
Dichlorobromomethane	<2.5		5.0	2.5	ug/L			04/10/16 19:54	5
Dichlorodifluoromethane	<4.3		5.0	4.3	ug/L			04/10/16 19:54	5
1,1-Dichloroethane	<2.5		5.0	2.5	ug/L			04/10/16 19:54	5
1,2-Dichloroethane	<2.5		5.0	2.5	ug/L			04/10/16 19:54	5
1,1-Dichloroethene	<2.5		5.0	2.5	ug/L			04/10/16 19:54	5
1,2-Dichloropropane	<2.5		5.0	2.5	ug/L			04/10/16 19:54	5
1,3-Dichloropropane	<2.5		5.0	2.5	ug/L			04/10/16 19:54	5
2,2-Dichloropropane	<2.5		5.0	2.5	ug/L			04/10/16 19:54	5
1,1-Dichloropropene	<2.5		5.0	2.5	ug/L			04/10/16 19:54	5
Ethylbenzene	<2.5		5.0	2.5	ug/L			04/10/16 19:54	5
Ethylene Dibromide	<2.5		5.0	2.5	ug/L			04/10/16 19:54	5
Hexachlorobutadiene	<4.5		25	4.5	ug/L			04/10/16 19:54	5
2-Hexanone	<16		130	16	ug/L			04/10/16 19:54	5
Isopropylbenzene	<2.7		5.0	2.7	ug/L			04/10/16 19:54	5
4-Isopropyltoluene	<3.6		5.0	3.6	ug/L			04/10/16 19:54	5
Methylene Chloride	<15		25	15	ug/L			04/10/16 19:54	5
4-Methyl-2-pentanone (MIBK)	<9.0		130	9.0	ug/L			04/10/16 19:54	5
Methyl tert-butyl ether	<3.7		5.0	3.7	ug/L			04/10/16 19:54	5
m-Xylene & p-Xylene	<8.0		25	8.0	ug/L			04/10/16 19:54	5
Naphthalene	<5.0		5.0	5.0	ug/L			04/10/16 19:54	5
n-Butylbenzene	<3.8		5.0	3.8	ug/L			04/10/16 19:54	5
N-Propylbenzene	<3.5		5.0	3.5	ug/L			04/10/16 19:54	5
o-Xylene	<3.0		25	3.0	ug/L			04/10/16 19:54	5
sec-Butylbenzene	<3.5		5.0	3.5	ug/L			04/10/16 19:54	5
Styrene	<5.0		5.0	5.0	ug/L			04/10/16 19:54	5
tert-Butylbenzene	<3.2		5.0	3.2	ug/L			04/10/16 19:54	5

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-1

Client Sample ID: MW-37
Date Collected: 03/31/16 11:15
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-24
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<2.6		5.0	2.6	ug/L			04/10/16 19:54	5
1,1,2,2-Tetrachloroethane	<2.5		5.0	2.5	ug/L			04/10/16 19:54	5
Tetrachloroethene	<2.9		5.0	2.9	ug/L			04/10/16 19:54	5
Toluene	<3.5		5.0	3.5	ug/L			04/10/16 19:54	5
trans-1,2-Dichloroethene	<2.5		5.0	2.5	ug/L			04/10/16 19:54	5
trans-1,3-Dichloropropene	<2.5		25	2.5	ug/L			04/10/16 19:54	5
1,2,3-Trichlorobenzene	<3.5		5.0	3.5	ug/L			04/10/16 19:54	5
1,2,4-Trichlorobenzene	<4.1		5.0	4.1	ug/L			04/10/16 19:54	5
1,1,1-Trichloroethane	<2.5		5.0	2.5	ug/L			04/10/16 19:54	5
1,1,2-Trichloroethane	<2.5		25	2.5	ug/L			04/10/16 19:54	5
Trichloroethene	**810**		5.0	2.5	ug/L			04/10/16 19:54	5
Trichlorofluoromethane	<2.6		5.0	2.6	ug/L			04/10/16 19:54	5
1,2,3-Trichloropropane	<4.2		25	4.2	ug/L			04/10/16 19:54	5
1,2,4-Trimethylbenzene	<4.1		5.0	4.1	ug/L			04/10/16 19:54	5
1,3,5-Trimethylbenzene	<2.8		5.0	2.8	ug/L			04/10/16 19:54	5
Vinyl chloride	<2.5		5.0	2.5	ug/L			04/10/16 19:54	5
Xylenes, Total	<8.0		50	8.0	ug/L			04/10/16 19:54	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*78 -118*		*04/10/16 19:54*	*5*
Dibromofluoromethane	*105*		*81 -121*		*04/10/16 19:54*	*5*
Toluene-d8 (Surr)	*110*		*80 -120*		*04/10/16 19:54*	*5*

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-1

Client Sample ID: MW-27 DUP
Date Collected: 03/31/16 00:00
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-25
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<50		130	50	ug/L			04/10/16 20:14	5
Benzene	<1.9		5.0	1.9	ug/L			04/10/16 20:14	5
Bromobenzene	<2.7		5.0	2.7	ug/L			04/10/16 20:14	5
Bromoform	<3.6		25	3.6	ug/L			04/10/16 20:14	5
Bromomethane	<4.9		5.0	4.9	ug/L			04/10/16 20:14	5
2-Butanone (MEK)	<13		130	13	ug/L			04/10/16 20:14	5
Carbon disulfide	<2.5		5.0	2.5	ug/L			04/10/16 20:14	5
Carbon tetrachloride	<2.5		5.0	2.5	ug/L			04/10/16 20:14	5
Chlorobenzene	<2.5		5.0	2.5	ug/L			04/10/16 20:14	5
Chlorobromomethane	<2.6		5.0	2.6	ug/L			04/10/16 20:14	5
Chlorodibromomethane	<2.5		5.0	2.5	ug/L			04/10/16 20:14	5
Chloroethane	<3.8		5.0	3.8	ug/L			04/10/16 20:14	5
Chloroform	<3.0		5.0	3.0	ug/L			04/10/16 20:14	5
Chloromethane	<4.2		5.0	4.2	ug/L			04/10/16 20:14	5
2-Chlorotoluene	<2.9		5.0	2.9	ug/L			04/10/16 20:14	5
4-Chlorotoluene	<2.8		5.0	2.8	ug/L			04/10/16 20:14	5
cis-1,2-Dichloroethene	**140**		5.0	2.5	ug/L			04/10/16 20:14	5
cis-1,3-Dichloropropene	<2.5		25	2.5	ug/L			04/10/16 20:14	5
1,2-Dibromo-3-Chloropropane	<7.5		25	7.5	ug/L			04/10/16 20:14	5
Dibromomethane	<3.0		25	3.0	ug/L			04/10/16 20:14	5
1,2-Dichlorobenzene	<2.5		5.0	2.5	ug/L			04/10/16 20:14	5
1,3-Dichlorobenzene	<2.7		5.0	2.7	ug/L			04/10/16 20:14	5
1,4-Dichlorobenzene	<3.2		5.0	3.2	ug/L			04/10/16 20:14	5
Dichlorobromomethane	<2.5		5.0	2.5	ug/L			04/10/16 20:14	5
Dichlorodifluoromethane	<4.3		5.0	4.3	ug/L			04/10/16 20:14	5
1,1-Dichloroethane	<2.5		5.0	2.5	ug/L			04/10/16 20:14	5
1,2-Dichloroethane	<2.5		5.0	2.5	ug/L			04/10/16 20:14	5
1,1-Dichloroethene	<2.5		5.0	2.5	ug/L			04/10/16 20:14	5
1,2-Dichloropropane	<2.5		5.0	2.5	ug/L			04/10/16 20:14	5
1,3-Dichloropropane	<2.5		5.0	2.5	ug/L			04/10/16 20:14	5
2,2-Dichloropropane	<2.5		5.0	2.5	ug/L			04/10/16 20:14	5
1,1-Dichloropropene	<2.5		5.0	2.5	ug/L			04/10/16 20:14	5
Ethylbenzene	<2.5		5.0	2.5	ug/L			04/10/16 20:14	5
Ethylene Dibromide	<2.5		5.0	2.5	ug/L			04/10/16 20:14	5
Hexachlorobutadiene	<4.5		25	4.5	ug/L			04/10/16 20:14	5
2-Hexanone	<16		130	16	ug/L			04/10/16 20:14	5
Isopropylbenzene	<2.7		5.0	2.7	ug/L			04/10/16 20:14	5
4-Isopropyltoluene	<3.6		5.0	3.6	ug/L			04/10/16 20:14	5
Methylene Chloride	<15		25	15	ug/L			04/10/16 20:14	5
4-Methyl-2-pentanone (MIBK)	<9.0		130	9.0	ug/L			04/10/16 20:14	5
Methyl tert-butyl ether	<3.7		5.0	3.7	ug/L			04/10/16 20:14	5
m-Xylene & p-Xylene	<8.0		25	8.0	ug/L			04/10/16 20:14	5
Naphthalene	<5.0		5.0	5.0	ug/L			04/10/16 20:14	5
n-Butylbenzene	<3.8		5.0	3.8	ug/L			04/10/16 20:14	5
N-Propylbenzene	<3.5		5.0	3.5	ug/L			04/10/16 20:14	5
o-Xylene	<3.0		25	3.0	ug/L			04/10/16 20:14	5
sec-Butylbenzene	<3.5		5.0	3.5	ug/L			04/10/16 20:14	5
Styrene	<5.0		5.0	5.0	ug/L			04/10/16 20:14	5
tert-Butylbenzene	<3.2		5.0	3.2	ug/L			04/10/16 20:14	5

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-1

Client Sample ID: MW-27 DUP
Date Collected: 03/31/16 00:00
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-25
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<2.6		5.0	2.6	ug/L			04/10/16 20:14	5
1,1,2,2-Tetrachloroethane	<2.5		5.0	2.5	ug/L			04/10/16 20:14	5
Tetrachloroethene	<2.9		5.0	2.9	ug/L			04/10/16 20:14	5
Toluene	<3.5		5.0	3.5	ug/L			04/10/16 20:14	5
trans-1,2-Dichloroethene	<2.5		5.0	2.5	ug/L			04/10/16 20:14	5
trans-1,3-Dichloropropene	<2.5		25	2.5	ug/L			04/10/16 20:14	5
1,2,3-Trichlorobenzene	<3.5		5.0	3.5	ug/L			04/10/16 20:14	5
1,2,4-Trichlorobenzene	<4.1		5.0	4.1	ug/L			04/10/16 20:14	5
1,1,1-Trichloroethane	<2.5		5.0	2.5	ug/L			04/10/16 20:14	5
1,1,2-Trichloroethane	<2.5		25	2.5	ug/L			04/10/16 20:14	5
Trichloroethene	**1100**		5.0	2.5	ug/L			04/10/16 20:14	5
Trichlorofluoromethane	<2.6		5.0	2.6	ug/L			04/10/16 20:14	5
1,2,3-Trichloropropane	<4.2		25	4.2	ug/L			04/10/16 20:14	5
1,2,4-Trimethylbenzene	<4.1		5.0	4.1	ug/L			04/10/16 20:14	5
1,3,5-Trimethylbenzene	<2.8		5.0	2.8	ug/L			04/10/16 20:14	5
Vinyl chloride	<2.5		5.0	2.5	ug/L			04/10/16 20:14	5
Xylenes, Total	<8.0		50	8.0	ug/L			04/10/16 20:14	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*78 -118*		*04/10/16 20:14*	*5*
Dibromofluoromethane	*102*		*81 -121*		*04/10/16 20:14*	*5*
Toluene-d8 (Surr)	*105*		*80 -120*		*04/10/16 20:14*	*5*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Surrogate Summary

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(78-118)	(81-121)	(80-120)
400-119657-1	TRIP BLANK	95	95	100
400-119657-2	MW-44	90	97	105
400-119657-3	MW-48	94	99	101
400-119657-3 MS	MW-48	91	98	99
400-119657-3 MSD	MW-48	92	98	99
400-119657-4	MW-45	94	99	100
400-119657-5	MW-47	93	99	99
400-119657-6	MW-31D	92	100	101
400-119657-7	MW-31S	92	102	99
400-119657-8	MW-22S	90	97	102
400-119657-9	MW-22D	90	98	101
400-119657-10	MW-41	88	98	103
400-119657-11	MW-25D	88	98	101
400-119657-12	MW-11	89	96	105
400-119657-13	MW-38S	93	100	101
400-119657-14	MW-38	92	100	100
400-119657-15	MW-34	91	98	104
400-119657-16	MW-30S	91	100	102
400-119657-17	MW-30D	89	98	107
400-119657-18	MW-46	89	100	106
400-119657-19	MW-28S	89	97	103
400-119657-20	MW-28D	90	97	103
400-119657-21	MW-35	104	102	109
400-119657-22	CS-2	103	103	107
400-119657-23	MW-27	101	100	107
400-119657-23 MS	MW-27	100	102	106
400-119657-23 MSD	MW-27	102	105	105
400-119657-24	MW-37	105	105	110
400-119657-25	MW-27 DUP	99	102	105
LCS 400-301039/1002	Lab Control Sample	92	95	98
LCS 400-301080/1002	Lab Control Sample	103	104	105
MB 400-301039/4	Method Blank	92	101	100
MB 400-301080/27	Method Blank	106	103	109

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

GC/MS VOA

Analysis Batch: 301039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-119657-1	TRIP BLANK	Total/NA	Water	8260C	
400-119657-2	MW-44	Total/NA	Water	8260C	
400-119657-3	MW-48	Total/NA	Water	8260C	
400-119657-3 MS	MW-48	Total/NA	Water	8260C	
400-119657-3 MSD	MW-48	Total/NA	Water	8260C	
400-119657-4	MW-45	Total/NA	Water	8260C	
400-119657-5	MW-47	Total/NA	Water	8260C	
400-119657-6	MW-31D	Total/NA	Water	8260C	
400-119657-7	MW-31S	Total/NA	Water	8260C	
400-119657-8	MW-22S	Total/NA	Water	8260C	
400-119657-9	MW-22D	Total/NA	Water	8260C	
400-119657-10	MW-41	Total/NA	Water	8260C	
400-119657-11	MW-25D	Total/NA	Water	8260C	
400-119657-12	MW-11	Total/NA	Water	8260C	
400-119657-13	MW-38S	Total/NA	Water	8260C	
400-119657-14	MW-38	Total/NA	Water	8260C	
400-119657-15	MW-34	Total/NA	Water	8260C	
400-119657-16	MW-30S	Total/NA	Water	8260C	
400-119657-17	MW-30D	Total/NA	Water	8260C	
400-119657-18	MW-46	Total/NA	Water	8260C	
400-119657-19	MW-28S	Total/NA	Water	8260C	
400-119657-20	MW-28D	Total/NA	Water	8260C	
LCS 400-301039/1002	Lab Control Sample	Total/NA	Water	8260C	
MB 400-301039/4	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 301080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-119657-21	MW-35	Total/NA	Water	8260C	
400-119657-22	CS-2	Total/NA	Water	8260C	
400-119657-23	MW-27	Total/NA	Water	8260C	
400-119657-23 MS	MW-27	Total/NA	Water	8260C	
400-119657-23 MSD	MW-27	Total/NA	Water	8260C	
400-119657-24	MW-37	Total/NA	Water	8260C	
400-119657-25	MW-27 DUP	Total/NA	Water	8260C	
LCS 400-301080/1002	Lab Control Sample	Total/NA	Water	8260C	
MB 400-301080/27	Method Blank	Total/NA	Water	8260C	

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-301039/4
Matrix: Water
Analysis Batch: 301039

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		25	10	ug/L			04/09/16 09:45	1
Benzene	<0.38		1.0	0.38	ug/L			04/09/16 09:45	1
Bromobenzene	<0.54		1.0	0.54	ug/L			04/09/16 09:45	1
Bromoform	<0.71		5.0	0.71	ug/L			04/09/16 09:45	1
Bromomethane	<0.98		1.0	0.98	ug/L			04/09/16 09:45	1
2-Butanone (MEK)	<2.6		25	2.6	ug/L			04/09/16 09:45	1
Carbon disulfide	<0.50		1.0	0.50	ug/L			04/09/16 09:45	1
Carbon tetrachloride	<0.50		1.0	0.50	ug/L			04/09/16 09:45	1
Chlorobenzene	<0.50		1.0	0.50	ug/L			04/09/16 09:45	1
Chlorobromomethane	<0.52		1.0	0.52	ug/L			04/09/16 09:45	1
Chlorodibromomethane	<0.50		1.0	0.50	ug/L			04/09/16 09:45	1
Chloroethane	<0.76		1.0	0.76	ug/L			04/09/16 09:45	1
Chloroform	<0.60		1.0	0.60	ug/L			04/09/16 09:45	1
Chloromethane	<0.83		1.0	0.83	ug/L			04/09/16 09:45	1
2-Chlorotoluene	<0.57		1.0	0.57	ug/L			04/09/16 09:45	1
4-Chlorotoluene	<0.56		1.0	0.56	ug/L			04/09/16 09:45	1
cis-1,2-Dichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 09:45	1
cis-1,3-Dichloropropene	<0.50		5.0	0.50	ug/L			04/09/16 09:45	1
1,2-Dibromo-3-Chloropropane	<1.5		5.0	1.5	ug/L			04/09/16 09:45	1
Dibromomethane	<0.59		5.0	0.59	ug/L			04/09/16 09:45	1
1,2-Dichlorobenzene	<0.50		1.0	0.50	ug/L			04/09/16 09:45	1
1,3-Dichlorobenzene	<0.54		1.0	0.54	ug/L			04/09/16 09:45	1
1,4-Dichlorobenzene	<0.64		1.0	0.64	ug/L			04/09/16 09:45	1
Dichlorobromomethane	<0.50		1.0	0.50	ug/L			04/09/16 09:45	1
Dichlorodifluoromethane	<0.85		1.0	0.85	ug/L			04/09/16 09:45	1
1,1-Dichloroethane	<0.50		1.0	0.50	ug/L			04/09/16 09:45	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			04/09/16 09:45	1
1,1-Dichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 09:45	1
1,2-Dichloropropane	<0.50		1.0	0.50	ug/L			04/09/16 09:45	1
1,3-Dichloropropane	<0.50		1.0	0.50	ug/L			04/09/16 09:45	1
2,2-Dichloropropane	<0.50		1.0	0.50	ug/L			04/09/16 09:45	1
1,1-Dichloropropene	<0.50		1.0	0.50	ug/L			04/09/16 09:45	1
Ethylbenzene	<0.50		1.0	0.50	ug/L			04/09/16 09:45	1
Ethylene Dibromide	<0.50		1.0	0.50	ug/L			04/09/16 09:45	1
Hexachlorobutadiene	<0.90		5.0	0.90	ug/L			04/09/16 09:45	1
2-Hexanone	<3.1		25	3.1	ug/L			04/09/16 09:45	1
Isopropylbenzene	<0.53		1.0	0.53	ug/L			04/09/16 09:45	1
4-Isopropyltoluene	<0.71		1.0	0.71	ug/L			04/09/16 09:45	1
Methylene Chloride	<3.0		5.0	3.0	ug/L			04/09/16 09:45	1
4-Methyl-2-pentanone (MIBK)	<1.8		25	1.8	ug/L			04/09/16 09:45	1
Methyl tert-butyl ether	<0.74		1.0	0.74	ug/L			04/09/16 09:45	1
m-Xylene & p-Xylene	<1.6		5.0	1.6	ug/L			04/09/16 09:45	1
Naphthalene	<1.0		1.0	1.0	ug/L			04/09/16 09:45	1
n-Butylbenzene	<0.76		1.0	0.76	ug/L			04/09/16 09:45	1
N-Propylbenzene	<0.69		1.0	0.69	ug/L			04/09/16 09:45	1
o-Xylene	<0.60		5.0	0.60	ug/L			04/09/16 09:45	1
sec-Butylbenzene	<0.70		1.0	0.70	ug/L			04/09/16 09:45	1
Styrene	<1.0		1.0	1.0	ug/L			04/09/16 09:45	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-301039/4
Matrix: Water
Analysis Batch: 301039

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	<0.63		1.0	0.63	ug/L			04/09/16 09:45	1
1,1,1,2-Tetrachloroethane	<0.52		1.0	0.52	ug/L			04/09/16 09:45	1
1,1,2,2-Tetrachloroethane	<0.50		1.0	0.50	ug/L			04/09/16 09:45	1
Tetrachloroethene	<0.58		1.0	0.58	ug/L			04/09/16 09:45	1
Toluene	<0.70		1.0	0.70	ug/L			04/09/16 09:45	1
trans-1,2-Dichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 09:45	1
trans-1,3-Dichloropropene	<0.50		5.0	0.50	ug/L			04/09/16 09:45	1
1,2,3-Trichlorobenzene	<0.70		1.0	0.70	ug/L			04/09/16 09:45	1
1,2,4-Trichlorobenzene	<0.82		1.0	0.82	ug/L			04/09/16 09:45	1
1,1,1-Trichloroethane	<0.50		1.0	0.50	ug/L			04/09/16 09:45	1
1,1,2-Trichloroethane	<0.50		5.0	0.50	ug/L			04/09/16 09:45	1
Trichloroethene	<0.50		1.0	0.50	ug/L			04/09/16 09:45	1
Trichlorofluoromethane	<0.52		1.0	0.52	ug/L			04/09/16 09:45	1
1,2,3-Trichloropropane	<0.84		5.0	0.84	ug/L			04/09/16 09:45	1
1,2,4-Trimethylbenzene	<0.82		1.0	0.82	ug/L			04/09/16 09:45	1
1,3,5-Trimethylbenzene	<0.56		1.0	0.56	ug/L			04/09/16 09:45	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			04/09/16 09:45	1
Xylenes, Total	<1.6		10	1.6	ug/L			04/09/16 09:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*78 -118*		*04/09/16 09:45*	*1*
Dibromofluoromethane	*101*		*81 -121*		*04/09/16 09:45*	*1*
Toluene-d8 (Surr)	*100*		*80 -120*		*04/09/16 09:45*	*1*

Lab Sample ID: LCS 400-301039/1002
Matrix: Water
Analysis Batch: 301039

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	LCS Qualifier	Unit	D	%
Acetone		ug/L		
Benzene		ug/L		
Bromobenzene		ug/L		
Bromoform		ug/L		
Bromomethane		ug/L		
2-Butanone (MEK)		ug/L		
Carbon disulfide		ug/L		
Carbon tetrachloride		ug/L		
Chlorobenzene		ug/L		
Chlorobromomethane		ug/L		
Chlorodibromomethane		ug/L		
Chloroethane		ug/L		
Chloroform		ug/L		
Chloromethane		ug/L		
2-Chlorotoluene		ug/L		
4-Chlorotoluene		ug/L		
cis-1,2-Dichloroethene		ug/L		
cis-1,3-Dichloropropene		ug/L		
1,2-Dibromo-3-Chloropropane		ug/L		

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-301039/1002
Matrix: Water
Analysis Batch: 301039

Client Sample ID: Lab Control Sample

Analyte	LCS Qualifier	Unit	D	%
Dibromomethane		ug/L		
1,2-Dichlorobenzene		ug/L		
1,3-Dichlorobenzene		ug/L		
1,4-Dichlorobenzene		ug/L		
Dichlorobromomethane		ug/L		
Dichlorodifluoromethane		ug/L		
1,1-Dichloroethane		ug/L		
1,2-Dichloroethane		ug/L		
1,1-Dichloroethene		ug/L		
1,2-Dichloropropane		ug/L		
1,3-Dichloropropane		ug/L		
2,2-Dichloropropane		ug/L		
1,1-Dichloropropene		ug/L		
Ethylbenzene		ug/L		
Ethylene Dibromide		ug/L		
Hexachlorobutadiene		ug/L		
2-Hexanone		ug/L		
Isopropylbenzene		ug/L		
4-Isopropyltoluene		ug/L		
Methylene Chloride		ug/L		
4-Methyl-2-pentanone (MIBK)		ug/L		
Methyl tert-butyl ether		ug/L		
m-Xylene & p-Xylene		ug/L		
Naphthalene		ug/L		
n-Butylbenzene		ug/L		
N-Propylbenzene		ug/L		
o-Xylene		ug/L		
sec-Butylbenzene		ug/L		
Styrene		ug/L		
tert-Butylbenzene		ug/L		
1,1,1,2-Tetrachloroethane		ug/L		
1,1,2,2-Tetrachloroethane		ug/L		
Tetrachloroethene		ug/L		
Toluene		ug/L		
trans-1,2-Dichloroethene		ug/L		
trans-1,3-Dichloropropene		ug/L		
1,2,3-Trichlorobenzene		ug/L		
1,2,4-Trichlorobenzene		ug/L		
1,1,1-Trichloroethane		ug/L		
1,1,2-Trichloroethane		ug/L		
Trichloroethene		ug/L		
Trichlorofluoromethane		ug/L		
1,2,3-Trichloropropane		ug/L		
1,2,4-Trimethylbenzene		ug/L		
1,3,5-Trimethylbenzene		ug/L		
Vinyl chloride		ug/L		
Xylenes, Total		ug/L		

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-301039/1002
Matrix: Water

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analysis Batch: 301039

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*92*		*78 -118*
Dibromofluoromethane	*95*		*81 -121*
Toluene-d8 (Surr)	*98*		*80 -120*

Lab Sample ID: 400-119657-3 MS
Matrix: Water

Client Sample ID: MW-48
Prep Type: Total/NA

Analysis Batch: 301039

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	<10		200	199		ug/L		99	43 -160
Benzene	<0.38		50.0	50.0		ug/L		100	56 -142
Bromobenzene	<0.54		50.0	53.4		ug/L		107	59 -136
Bromoform	<0.71		50.0	52.9		ug/L		106	50 -140
Bromomethane	<0.98		50.0	65.3		ug/L		131	10 -160
2-Butanone (MEK)	<2.6		200	198		ug/L		99	55 -150
Carbon disulfide	<0.50		50.0	51.3		ug/L		103	48 -152
Carbon tetrachloride	<0.50		50.0	51.2		ug/L		102	55 -145
Chlorobenzene	<0.50		50.0	49.8		ug/L		100	64 -130
Chlorobromomethane	<0.52		50.0	50.0		ug/L		100	64 -140
Chlorodibromomethane	<0.50		50.0	52.9		ug/L		106	56 -143
Chloroethane	<0.76		50.0	44.0		ug/L		88	50 -151
Chloroform	<0.60		50.0	48.2		ug/L		96	60 -141
Chloromethane	<0.83		50.0	64.1		ug/L		128	49 -148
2-Chlorotoluene	<0.57		50.0	48.2		ug/L		96	53 -134
4-Chlorotoluene	<0.56		50.0	47.6		ug/L		95	54 -133
cis-1,2-Dichloroethene	<0.50		50.0	47.3		ug/L		95	59 -143
cis-1,3-Dichloropropene	<0.50		50.0	54.0		ug/L		108	57 -140
1,2-Dibromo-3-Chloropropane	<1.5		50.0	50.1		ug/L		100	45 -135
Dibromomethane	<0.59		50.0	53.9		ug/L		108	63 -138
1,2-Dichlorobenzene	<0.50		50.0	49.8		ug/L		100	52 -137
1,3-Dichlorobenzene	<0.54		50.0	50.9		ug/L		102	54 -135
1,4-Dichlorobenzene	<0.64		50.0	49.6		ug/L		99	53 -135
Dichlorobromomethane	<0.50		50.0	53.7		ug/L		107	59 -143
Dichlorodifluoromethane	<0.85		50.0	53.3		ug/L		107	16 -160
1,1-Dichloroethane	<0.50		50.0	52.7		ug/L		105	61 -144
1,2-Dichloroethane	<0.50		50.0	46.5		ug/L		93	60 -141
1,1-Dichloroethene	<0.50		50.0	51.6		ug/L		103	54 -147
1,2-Dichloropropane	<0.50		50.0	53.7		ug/L		107	66 -137
1,3-Dichloropropane	<0.50		50.0	50.6		ug/L		101	66 -133
2,2-Dichloropropane	<0.50		50.0	46.1		ug/L		92	42 -144
1,1-Dichloropropene	<0.50		50.0	48.1		ug/L		96	65 -136
Ethylbenzene	<0.50		50.0	50.9		ug/L		102	58 -131
Ethylene Dibromide	<0.50		50.0	51.3		ug/L		103	64 -132
Hexachlorobutadiene	<0.90		50.0	59.1		ug/L		118	31 -149
2-Hexanone	<3.1		200	217		ug/L		109	65 -140
Isopropylbenzene	<0.53		50.0	51.0		ug/L		102	56 -133
4-Isopropyltoluene	<0.71		50.0	50.1		ug/L		100	48 -139
Methylene Chloride	<3.0		50.0	51.1		ug/L		102	60 -146

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-119657-3 MS
Matrix: Water
Analysis Batch: 301039

Client Sample ID: MW-48
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Methyl-2-pentanone (MIBK)	<1.8		200	237		ug/L		119	63 - 146
Methyl tert-butyl ether	<0.74		50.0	48.4		ug/L		97	59 - 137
m-Xylene & p-Xylene	<1.6		50.0	50.6		ug/L		101	57 - 130
Naphthalene	<1.0		50.0	48.8		ug/L		98	25 - 160
n-Butylbenzene	<0.76		50.0	49.3		ug/L		99	41 - 142
N-Propylbenzene	<0.69		50.0	50.2		ug/L		100	51 - 138
o-Xylene	<0.60		50.0	49.7		ug/L		99	61 - 130
sec-Butylbenzene	<0.70		50.0	50.0		ug/L		100	50 - 138
Styrene	<1.0		50.0	50.5		ug/L		101	58 - 131
tert-Butylbenzene	<0.63		50.0	51.2		ug/L		102	54 - 146
1,1,1,2-Tetrachloroethane	<0.52		50.0	52.0		ug/L		104	59 - 137
1,1,2,2-Tetrachloroethane	<0.50		50.0	50.5		ug/L		101	66 - 135
Tetrachloroethene	<0.58		50.0	52.2		ug/L		104	52 - 133
Toluene	<0.70		50.0	51.4		ug/L		103	65 - 130
trans-1,2-Dichloroethene	<0.50		50.0	51.1		ug/L		102	61 - 143
trans-1,3-Dichloropropene	<0.50		50.0	50.3		ug/L		101	53 - 133
1,2,3-Trichlorobenzene	<0.70		50.0	52.9		ug/L		106	43 - 145
1,2,4-Trichlorobenzene	<0.82		50.0	52.9		ug/L		106	39 - 148
1,1,1-Trichloroethane	<0.50		50.0	49.8		ug/L		100	57 - 142
1,1,2-Trichloroethane	<0.50		50.0	53.3		ug/L		107	66 - 131
Trichloroethene	0.52	J	50.0	54.2		ug/L		107	64 - 136
Trichlorofluoromethane	<0.52		50.0	51.1		ug/L		102	54 - 156
1,2,3-Trichloropropane	<0.84		50.0	52.5		ug/L		105	65 - 133
1,2,4-Trimethylbenzene	<0.82		50.0	49.0		ug/L		98	50 - 139
1,3,5-Trimethylbenzene	<0.56		50.0	49.5		ug/L		99	52 - 135
Vinyl chloride	<0.50		50.0	59.4		ug/L		119	46 - 152
Xylenes, Total	<1.6		100	100		ug/L		100	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*91*		*78 - 118*
Dibromofluoromethane	*98*		*81 - 121*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: 400-119657-3 MSD
Matrix: Water
Analysis Batch: 301039

Client Sample ID: MW-48
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	<10		200	220		ug/L		110	43 - 160	10	30
Benzene	<0.38		50.0	50.2		ug/L		100	56 - 142	0	30
Bromobenzene	<0.54		50.0	53.5		ug/L		107	59 - 136	0	30
Bromoform	<0.71		50.0	55.9		ug/L		112	50 - 140	5	30
Bromomethane	<0.98		50.0	67.8		ug/L		136	10 - 160	4	50
2-Butanone (MEK)	<2.6		200	216		ug/L		108	55 - 150	8	30
Carbon disulfide	<0.50		50.0	52.5		ug/L		105	48 - 152	2	30
Carbon tetrachloride	<0.50		50.0	52.1		ug/L		104	55 - 145	2	30
Chlorobenzene	<0.50		50.0	50.3		ug/L		101	64 - 130	1	30
Chlorobromomethane	<0.52		50.0	51.2		ug/L		102	64 - 140	2	30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-119657-3 MSD
Matrix: Water
Analysis Batch: 301039

Client Sample ID: MW-48
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorodibromomethane	<0.50		50.0	54.3		ug/L		109	56 - 143	3	30
Chloroethane	<0.76		50.0	44.5		ug/L		89	50 - 151	1	30
Chloroform	<0.60		50.0	48.1		ug/L		96	60 - 141	0	30
Chloromethane	<0.83		50.0	66.2		ug/L		132	49 - 148	3	31
2-Chlorotoluene	<0.57		50.0	48.7		ug/L		97	53 - 134	1	30
4-Chlorotoluene	<0.56		50.0	48.6		ug/L		97	54 - 133	2	30
cis-1,2-Dichloroethene	<0.50		50.0	48.2		ug/L		96	59 - 143	2	30
cis-1,3-Dichloropropene	<0.50		50.0	56.2		ug/L		112	57 - 140	4	30
1,2-Dibromo-3-Chloropropane	<1.5		50.0	54.8		ug/L		110	45 - 135	9	30
Dibromomethane	<0.59		50.0	54.3		ug/L		109	63 - 138	1	30
1,2-Dichlorobenzene	<0.50		50.0	50.4		ug/L		101	52 - 137	1	30
1,3-Dichlorobenzene	<0.54		50.0	51.5		ug/L		103	54 - 135	1	30
1,4-Dichlorobenzene	<0.64		50.0	51.3		ug/L		103	53 - 135	3	30
Dichlorobromomethane	<0.50		50.0	55.0		ug/L		110	59 - 143	2	30
Dichlorodifluoromethane	<0.85		50.0	56.7		ug/L		113	16 - 160	6	31
1,1-Dichloroethane	<0.50		50.0	53.1		ug/L		106	61 - 144	1	30
1,2-Dichloroethane	<0.50		50.0	47.0		ug/L		94	60 - 141	1	30
1,1-Dichloroethene	<0.50		50.0	53.7		ug/L		107	54 - 147	4	30
1,2-Dichloropropane	<0.50		50.0	54.8		ug/L		110	66 - 137	2	30
1,3-Dichloropropane	<0.50		50.0	51.8		ug/L		104	66 - 133	2	30
2,2-Dichloropropane	<0.50		50.0	47.4		ug/L		95	42 - 144	3	31
1,1-Dichloropropene	<0.50		50.0	48.9		ug/L		98	65 - 136	2	30
Ethylbenzene	<0.50		50.0	51.9		ug/L		104	58 - 131	2	30
Ethylene Dibromide	<0.50		50.0	52.7		ug/L		105	64 - 132	3	30
Hexachlorobutadiene	<0.90		50.0	61.4		ug/L		123	31 - 149	4	36
2-Hexanone	<3.1		200	240		ug/L		120	65 - 140	10	30
Isopropylbenzene	<0.53		50.0	51.7		ug/L		103	56 - 133	1	30
4-Isopropyltoluene	<0.71		50.0	50.7		ug/L		101	48 - 139	1	30
Methylene Chloride	<3.0		50.0	51.9		ug/L		104	60 - 146	2	32
4-Methyl-2-pentanone (MIBK)	<1.8		200	263		ug/L		131	63 - 146	10	30
Methyl tert-butyl ether	<0.74		50.0	50.7		ug/L		101	59 - 137	5	30
m-Xylene & p-Xylene	<1.6		50.0	51.7		ug/L		103	57 - 130	2	30
Naphthalene	<1.0		50.0	54.0		ug/L		108	25 - 160	10	30
n-Butylbenzene	<0.76		50.0	50.6		ug/L		101	41 - 142	3	31
N-Propylbenzene	<0.69		50.0	50.5		ug/L		101	51 - 138	1	30
o-Xylene	<0.60		50.0	50.6		ug/L		101	61 - 130	2	30
sec-Butylbenzene	<0.70		50.0	50.4		ug/L		101	50 - 138	1	30
Styrene	<1.0		50.0	51.0		ug/L		102	58 - 131	1	30
tert-Butylbenzene	<0.63		50.0	52.0		ug/L		104	54 - 146	2	30
1,1,1,2-Tetrachloroethane	<0.52		50.0	52.4		ug/L		105	59 - 137	1	30
1,1,2,2-Tetrachloroethane	<0.50		50.0	52.6		ug/L		105	66 - 135	4	30
Tetrachloroethene	<0.58		50.0	53.4		ug/L		107	52 - 133	2	30
Toluene	<0.70		50.0	51.8		ug/L		104	65 - 130	1	30
trans-1,2-Dichloroethene	<0.50		50.0	53.0		ug/L		106	61 - 143	4	30
trans-1,3-Dichloropropene	<0.50		50.0	52.5		ug/L		105	53 - 133	4	30
1,2,3-Trichlorobenzene	<0.70		50.0	56.0		ug/L		112	43 - 145	6	30
1,2,4-Trichlorobenzene	<0.82		50.0	55.3		ug/L		111	39 - 148	5	30
1,1,1-Trichloroethane	<0.50		50.0	50.4		ug/L		101	57 - 142	1	30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-119657-3 MSD

Matrix: Water
Analysis Batch: 301039

Client Sample ID: MW-48
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,2-Trichloroethane	<0.50		50.0	54.1		ug/L		108	66 -131	2	30
Trichloroethene	0.52	J	50.0	56.2		ug/L		111	64 -136	4	30
Trichlorofluoromethane	<0.52		50.0	51.8		ug/L		104	54 -156	2	30
1,2,3-Trichloropropane	<0.84		50.0	54.2		ug/L		108	65 -133	3	30
1,2,4-Trimethylbenzene	<0.82		50.0	49.9		ug/L		100	50 -139	2	30
1,3,5-Trimethylbenzene	<0.56		50.0	50.3		ug/L		101	52 -135	2	30
Vinyl chloride	<0.50		50.0	61.0		ug/L		122	46 -152	3	30
Xylenes, Total	<1.6		100	102		ug/L		102	59 -130	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*92*		*78 -118*
Dibromofluoromethane	*98*		*81 -121*
Toluene-d8 (Surr)	*99*		*80 -120*

Lab Sample ID: MB 400-301080/27

Matrix: Water
Analysis Batch: 301080

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10		25	10	ug/L			04/10/16 13:45	1
Benzene	<0.38		1.0	0.38	ug/L			04/10/16 13:45	1
Bromobenzene	<0.54		1.0	0.54	ug/L			04/10/16 13:45	1
Bromoform	<0.71		5.0	0.71	ug/L			04/10/16 13:45	1
Bromomethane	<0.98		1.0	0.98	ug/L			04/10/16 13:45	1
2-Butanone (MEK)	<2.6		25	2.6	ug/L			04/10/16 13:45	1
Carbon disulfide	<0.50		1.0	0.50	ug/L			04/10/16 13:45	1
Carbon tetrachloride	<0.50		1.0	0.50	ug/L			04/10/16 13:45	1
Chlorobenzene	<0.50		1.0	0.50	ug/L			04/10/16 13:45	1
Chlorobromomethane	<0.52		1.0	0.52	ug/L			04/10/16 13:45	1
Chlorodibromomethane	<0.50		1.0	0.50	ug/L			04/10/16 13:45	1
Chloroethane	<0.76		1.0	0.76	ug/L			04/10/16 13:45	1
Chloroform	<0.60		1.0	0.60	ug/L			04/10/16 13:45	1
Chloromethane	<0.83		1.0	0.83	ug/L			04/10/16 13:45	1
2-Chlorotoluene	<0.57		1.0	0.57	ug/L			04/10/16 13:45	1
4-Chlorotoluene	<0.56		1.0	0.56	ug/L			04/10/16 13:45	1
cis-1,2-Dichloroethene	<0.50		1.0	0.50	ug/L			04/10/16 13:45	1
cis-1,3-Dichloropropene	<0.50		5.0	0.50	ug/L			04/10/16 13:45	1
1,2-Dibromo-3-Chloropropane	<1.5		5.0	1.5	ug/L			04/10/16 13:45	1
Dibromomethane	<0.59		5.0	0.59	ug/L			04/10/16 13:45	1
1,2-Dichlorobenzene	<0.50		1.0	0.50	ug/L			04/10/16 13:45	1
1,3-Dichlorobenzene	<0.54		1.0	0.54	ug/L			04/10/16 13:45	1
1,4-Dichlorobenzene	<0.64		1.0	0.64	ug/L			04/10/16 13:45	1
Dichlorobromomethane	<0.50		1.0	0.50	ug/L			04/10/16 13:45	1
Dichlorodifluoromethane	<0.85		1.0	0.85	ug/L			04/10/16 13:45	1
1,1-Dichloroethane	<0.50		1.0	0.50	ug/L			04/10/16 13:45	1
1,2-Dichloroethane	<0.50		1.0	0.50	ug/L			04/10/16 13:45	1
1,1-Dichloroethene	<0.50		1.0	0.50	ug/L			04/10/16 13:45	1
1,2-Dichloropropane	<0.50		1.0	0.50	ug/L			04/10/16 13:45	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-301080/27
Matrix: Water
Analysis Batch: 301080

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichloropropane	<0.50		1.0	0.50	ug/L			04/10/16 13:45	1
2,2-Dichloropropane	<0.50		1.0	0.50	ug/L			04/10/16 13:45	1
1,1-Dichloropropene	<0.50		1.0	0.50	ug/L			04/10/16 13:45	1
Ethylbenzene	<0.50		1.0	0.50	ug/L			04/10/16 13:45	1
Ethylene Dibromide	<0.50		1.0	0.50	ug/L			04/10/16 13:45	1
Hexachlorobutadiene	<0.90		5.0	0.90	ug/L			04/10/16 13:45	1
2-Hexanone	<3.1		25	3.1	ug/L			04/10/16 13:45	1
Isopropylbenzene	<0.53		1.0	0.53	ug/L			04/10/16 13:45	1
4-Isopropyltoluene	<0.71		1.0	0.71	ug/L			04/10/16 13:45	1
Methylene Chloride	<3.0		5.0	3.0	ug/L			04/10/16 13:45	1
4-Methyl-2-pentanone (MIBK)	<1.8		25	1.8	ug/L			04/10/16 13:45	1
Methyl tert-butyl ether	<0.74		1.0	0.74	ug/L			04/10/16 13:45	1
m-Xylene & p-Xylene	<1.6		5.0	1.6	ug/L			04/10/16 13:45	1
Naphthalene	<1.0		1.0	1.0	ug/L			04/10/16 13:45	1
n-Butylbenzene	<0.76		1.0	0.76	ug/L			04/10/16 13:45	1
N-Propylbenzene	<0.69		1.0	0.69	ug/L			04/10/16 13:45	1
o-Xylene	<0.60		5.0	0.60	ug/L			04/10/16 13:45	1
sec-Butylbenzene	<0.70		1.0	0.70	ug/L			04/10/16 13:45	1
Styrene	<1.0		1.0	1.0	ug/L			04/10/16 13:45	1
tert-Butylbenzene	<0.63		1.0	0.63	ug/L			04/10/16 13:45	1
1,1,1,2-Tetrachloroethane	<0.52		1.0	0.52	ug/L			04/10/16 13:45	1
1,1,2,2-Tetrachloroethane	<0.50		1.0	0.50	ug/L			04/10/16 13:45	1
Tetrachloroethene	<0.58		1.0	0.58	ug/L			04/10/16 13:45	1
Toluene	<0.70		1.0	0.70	ug/L			04/10/16 13:45	1
trans-1,2-Dichloroethene	<0.50		1.0	0.50	ug/L			04/10/16 13:45	1
trans-1,3-Dichloropropene	<0.50		5.0	0.50	ug/L			04/10/16 13:45	1
1,2,3-Trichlorobenzene	<0.70		1.0	0.70	ug/L			04/10/16 13:45	1
1,2,4-Trichlorobenzene	<0.82		1.0	0.82	ug/L			04/10/16 13:45	1
1,1,1-Trichloroethane	<0.50		1.0	0.50	ug/L			04/10/16 13:45	1
1,1,2-Trichloroethane	<0.50		5.0	0.50	ug/L			04/10/16 13:45	1
Trichloroethene	<0.50		1.0	0.50	ug/L			04/10/16 13:45	1
Trichlorofluoromethane	<0.52		1.0	0.52	ug/L			04/10/16 13:45	1
1,2,3-Trichloropropane	<0.84		5.0	0.84	ug/L			04/10/16 13:45	1
1,2,4-Trimethylbenzene	<0.82		1.0	0.82	ug/L			04/10/16 13:45	1
1,3,5-Trimethylbenzene	<0.56		1.0	0.56	ug/L			04/10/16 13:45	1
Vinyl chloride	<0.50		1.0	0.50	ug/L			04/10/16 13:45	1
Xylenes, Total	<1.6		10	1.6	ug/L			04/10/16 13:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*78 -118*		*04/10/16 13:45*	*1*
Dibromofluoromethane	*103*		*81 -121*		*04/10/16 13:45*	*1*
Toluene-d8 (Surr)	*109*		*80 -120*		*04/10/16 13:45*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-301080/1002
Matrix: Water
Analysis Batch: 301080

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	LCS Qualifier	Unit	D	%
Acetone		ug/L		
Benzene		ug/L		
Bromobenzene		ug/L		
Bromoform		ug/L		
Bromomethane		ug/L		
2-Butanone (MEK)		ug/L		
Carbon disulfide		ug/L		
Carbon tetrachloride		ug/L		
Chlorobenzene		ug/L		
Chlorobromomethane		ug/L		
Chlorodibromomethane		ug/L		
Chloroethane		ug/L		
Chloroform		ug/L		
Chloromethane		ug/L		
2-Chlorotoluene		ug/L		
4-Chlorotoluene		ug/L		
cis-1,2-Dichloroethene		ug/L		
cis-1,3-Dichloropropene		ug/L		
1,2-Dibromo-3-Chloropropane		ug/L		
Dibromomethane		ug/L		
1,2-Dichlorobenzene		ug/L		
1,3-Dichlorobenzene		ug/L		
1,4-Dichlorobenzene		ug/L		
Dichlorobromomethane		ug/L		
Dichlorodifluoromethane		ug/L		
1,1-Dichloroethane		ug/L		
1,2-Dichloroethane		ug/L		
1,1-Dichloroethene		ug/L		
1,2-Dichloropropane		ug/L		
1,3-Dichloropropane		ug/L		
2,2-Dichloropropane		ug/L		
1,1-Dichloropropene		ug/L		
Ethylbenzene		ug/L		
Ethylene Dibromide		ug/L		
Hexachlorobutadiene		ug/L		
2-Hexanone		ug/L		
Isopropylbenzene		ug/L		
4-Isopropyltoluene		ug/L		
Methylene Chloride		ug/L		
4-Methyl-2-pentanone (MIBK)		ug/L		
Methyl tert-butyl ether		ug/L		
m-Xylene & p-Xylene		ug/L		
Naphthalene		ug/L		
n-Butylbenzene		ug/L		
N-Propylbenzene		ug/L		
o-Xylene		ug/L		
sec-Butylbenzene		ug/L		
Styrene		ug/L		

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-301080/1002
Matrix: Water
Analysis Batch: 301080

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
tert-Butylbenzene	50.0	57.6		ug/L		115	64 - 139
1,1,1,2-Tetrachloroethane	50.0	51.3		ug/L		103	67 - 131
1,1,2,2-Tetrachloroethane	50.0	58.2		ug/L		116	70 - 131
Tetrachloroethene	50.0	51.2		ug/L		102	65 - 130
Toluene	50.0	51.7		ug/L		103	70 - 130
trans-1,2-Dichloroethene	50.0	48.0		ug/L		96	70 - 130
trans-1,3-Dichloropropene	50.0	53.6		ug/L		107	63 - 130
1,2,3-Trichlorobenzene	50.0	57.7		ug/L		115	60 - 138
1,2,4-Trichlorobenzene	50.0	58.6		ug/L		117	60 - 140
1,1,1-Trichloroethane	50.0	49.8		ug/L		100	68 - 130
1,1,2-Trichloroethane	50.0	52.3		ug/L		105	70 - 130
Trichloroethene	50.0	49.6		ug/L		99	70 - 130
Trichlorofluoromethane	50.0	46.3		ug/L		93	65 - 138
1,2,3-Trichloropropane	50.0	54.0		ug/L		108	70 - 130
1,2,4-Trimethylbenzene	50.0	59.0		ug/L		118	70 - 130
1,3,5-Trimethylbenzene	50.0	58.3		ug/L		117	69 - 130
Vinyl chloride	50.0	46.0		ug/L		92	59 - 136
Xylenes, Total	100	104		ug/L		104	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*78 - 118*
Dibromofluoromethane	*104*		*81 - 121*
Toluene-d8 (Surr)	*105*		*80 - 120*

Lab Sample ID: 400-119657-23 MS
Matrix: Water
Analysis Batch: 301080

Client Sample ID: MW-27
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	<50		1000	734		ug/L		73	43 - 160
Benzene	<1.9		250	265		ug/L		106	56 - 142
Bromobenzene	<2.7		250	282		ug/L		113	59 - 136
Bromoform	<3.6		250	262		ug/L		105	50 - 140
Bromomethane	<4.9		250	252		ug/L		101	10 - 160
2-Butanone (MEK)	<13		1000	902		ug/L		90	55 - 150
Carbon disulfide	<2.5		250	258		ug/L		103	48 - 152
Carbon tetrachloride	<2.5		250	265		ug/L		106	55 - 145
Chlorobenzene	<2.5		250	268		ug/L		107	64 - 130
Chlorobromomethane	<2.6		250	267		ug/L		107	64 - 140
Chlorodibromomethane	<2.5		250	267		ug/L		107	56 - 143
Chloroethane	<3.8		250	251		ug/L		101	50 - 151
Chloroform	<3.0		250	269		ug/L		108	60 - 141
Chloromethane	<4.2		250	178		ug/L		71	49 - 148
2-Chlorotoluene	<2.9		250	282		ug/L		113	53 - 134
4-Chlorotoluene	<2.8		250	282		ug/L		113	54 - 133
cis-1,2-Dichloroethene	140		250	428		ug/L		115	59 - 143
cis-1,3-Dichloropropene	<2.5		250	242		ug/L		97	57 - 140
1,2-Dibromo-3-Chloropropane	<7.5		250	262		ug/L		105	45 - 135

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-119657-23 MS
Matrix: Water
Analysis Batch: 301080

Client Sample ID: MW-27
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Dibromomethane	<3.0		250	239		ug/L		96	63 - 138
1,2-Dichlorobenzene	<2.5		250	276		ug/L		110	52 - 137
1,3-Dichlorobenzene	<2.7		250	288		ug/L		115	54 - 135
1,4-Dichlorobenzene	<3.2		250	283		ug/L		113	53 - 135
Dichlorobromomethane	<2.5		250	264		ug/L		106	59 - 143
Dichlorodifluoromethane	<4.3		250	160		ug/L		64	16 - 160
1,1-Dichloroethane	<2.5		250	286		ug/L		115	61 - 144
1,2-Dichloroethane	<2.5		250	283		ug/L		113	60 - 141
1,1-Dichloroethene	<2.5		250	259		ug/L		104	54 - 147
1,2-Dichloropropane	<2.5		250	286		ug/L		114	66 - 137
1,3-Dichloropropane	<2.5		250	265		ug/L		106	66 - 133
2,2-Dichloropropane	<2.5		250	250		ug/L		100	42 - 144
1,1-Dichloropropene	<2.5		250	235		ug/L		94	65 - 136
Ethylbenzene	<2.5		250	274		ug/L		110	58 - 131
Ethylene Dibromide	<2.5		250	254		ug/L		102	64 - 132
Hexachlorobutadiene	<4.5		250	275		ug/L		110	31 - 149
2-Hexanone	<16		1000	877		ug/L		88	65 - 140
Isopropylbenzene	<2.7		250	284		ug/L		114	56 - 133
4-Isopropyltoluene	<3.6		250	304		ug/L		122	48 - 139
Methylene Chloride	<15		250	252		ug/L		101	60 - 146
4-Methyl-2-pentanone (MIBK)	<9.0		1000	806		ug/L		81	63 - 146
Methyl tert-butyl ether	<3.7		250	248		ug/L		99	59 - 137
m-Xylene & p-Xylene	<8.0		250	274		ug/L		110	57 - 130
Naphthalene	<5.0		250	277		ug/L		111	25 - 160
n-Butylbenzene	<3.8		250	308		ug/L		123	41 - 142
N-Propylbenzene	<3.5		250	297		ug/L		119	51 - 138
o-Xylene	<3.0		250	271		ug/L		108	61 - 130
sec-Butylbenzene	<3.5		250	307		ug/L		123	50 - 138
Styrene	<5.0		250	278		ug/L		111	58 - 131
tert-Butylbenzene	<3.2		250	299		ug/L		120	54 - 146
1,1,1,2-Tetrachloroethane	<2.6		250	271		ug/L		108	59 - 137
1,1,2,2-Tetrachloroethane	<2.5		250	272		ug/L		109	66 - 135
Tetrachloroethene	<2.9		250	263		ug/L		105	52 - 133
Toluene	<3.5		250	273		ug/L		109	65 - 130
trans-1,2-Dichloroethene	<2.5		250	265		ug/L		106	61 - 143
trans-1,3-Dichloropropene	<2.5		250	267		ug/L		107	53 - 133
1,2,3-Trichlorobenzene	<3.5		250	283		ug/L		113	43 - 145
1,2,4-Trichlorobenzene	<4.1		250	286		ug/L		114	39 - 148
1,1,1-Trichloroethane	<2.5		250	264		ug/L		106	57 - 142
1,1,2-Trichloroethane	<2.5		250	260		ug/L		104	66 - 131
Trichloroethene	1200		250	1430	4	ug/L		101	64 - 136
Trichlorofluoromethane	<2.6		250	245		ug/L		98	54 - 156
1,2,3-Trichloropropane	<4.2		250	267		ug/L		107	65 - 133
1,2,4-Trimethylbenzene	<4.1		250	300		ug/L		120	50 - 139
1,3,5-Trimethylbenzene	<2.8		250	305		ug/L		122	52 - 135
Vinyl chloride	<2.5		250	242		ug/L		97	46 - 152
Xylenes, Total	<8.0		500	545		ug/L		109	59 - 130

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-119657-23 MS
Matrix: Water
Analysis Batch: 301080

Client Sample ID: MW-27
Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	*100*		*78 -118*
Dibromofluoromethane	*102*		*81 -121*
Toluene-d8 (Surr)	*106*		*80 -120*

Lab Sample ID: 400-119657-23 MSD
Matrix: Water
Analysis Batch: 301080

Client Sample ID: MW-27
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	<50		1000	777		ug/L		78	43 -160	6	30
Benzene	<1.9		250	262		ug/L		105	56 -142	1	30
Bromobenzene	<2.7		250	273		ug/L		109	59 -136	3	30
Bromoform	<3.6		250	269		ug/L		107	50 -140	3	30
Bromomethane	<4.9		250	268		ug/L		107	10 -160	6	50
2-Butanone (MEK)	<13		1000	985		ug/L		99	55 -150	9	30
Carbon disulfide	<2.5		250	259		ug/L		104	48 -152	1	30
Carbon tetrachloride	<2.5		250	262		ug/L		105	55 -145	1	30
Chlorobenzene	<2.5		250	259		ug/L		103	64 -130	4	30
Chlorobromomethane	<2.6		250	259		ug/L		104	64 -140	3	30
Chlorodibromomethane	<2.5		250	261		ug/L		105	56 -143	2	30
Chloroethane	<3.8		250	268		ug/L		107	50 -151	6	30
Chloroform	<3.0		250	267		ug/L		107	60 -141	1	30
Chloromethane	<4.2		250	185		ug/L		74	49 -148	4	31
2-Chlorotoluene	<2.9		250	284		ug/L		114	53 -134	1	30
4-Chlorotoluene	<2.8		250	273		ug/L		109	54 -133	3	30
cis-1,2-Dichloroethene	140		250	428		ug/L		115	59 -143	0	30
cis-1,3-Dichloropropene	<2.5		250	264		ug/L		105	57 -140	9	30
1,2-Dibromo-3-Chloropropane	<7.5		250	264		ug/L		106	45 -135	1	30
Dibromomethane	<3.0		250	251		ug/L		100	63 -138	5	30
1,2-Dichlorobenzene	<2.5		250	271		ug/L		108	52 -137	2	30
1,3-Dichlorobenzene	<2.7		250	278		ug/L		111	54 -135	3	30
1,4-Dichlorobenzene	<3.2		250	264		ug/L		106	53 -135	7	30
Dichlorobromomethane	<2.5		250	264		ug/L		106	59 -143	0	30
Dichlorodifluoromethane	<4.3		250	174		ug/L		69	16 -160	8	31
1,1-Dichloroethane	<2.5		250	288		ug/L		115	61 -144	1	30
1,2-Dichloroethane	<2.5		250	289		ug/L		116	60 -141	2	30
1,1-Dichloroethene	<2.5		250	266		ug/L		106	54 -147	2	30
1,2-Dichloropropane	<2.5		250	279		ug/L		112	66 -137	2	30
1,3-Dichloropropane	<2.5		250	261		ug/L		105	66 -133	1	30
2,2-Dichloropropane	<2.5		250	247		ug/L		99	42 -144	1	31
1,1-Dichloropropene	<2.5		250	235		ug/L		94	65 -136	0	30
Ethylbenzene	<2.5		250	270		ug/L		108	58 -131	2	30
Ethylene Dibromide	<2.5		250	250		ug/L		100	64 -132	2	30
Hexachlorobutadiene	<4.5		250	268		ug/L		107	31 -149	3	36
2-Hexanone	<16		1000	905		ug/L		91	65 -140	3	30
Isopropylbenzene	<2.7		250	270		ug/L		108	56 -133	5	30
4-Isopropyltoluene	<3.6		250	294		ug/L		118	48 -139	3	30
Methylene Chloride	<15		250	258		ug/L		103	60 -146	3	32

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-119657-23 MSD
Matrix: Water
Analysis Batch: 301080

Client Sample ID: MW-27
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Methyl-2-pentanone (MIBK)	<9.0		1000	859		ug/L		86	63 - 146	6	30
Methyl tert-butyl ether	<3.7		250	255		ug/L		102	59 - 137	3	30
m-Xylene & p-Xylene	<8.0		250	262		ug/L		105	57 - 130	4	30
Naphthalene	<5.0		250	278		ug/L		111	25 - 160	0	30
n-Butylbenzene	<3.8		250	295		ug/L		118	41 - 142	4	31
N-Propylbenzene	<3.5		250	288		ug/L		115	51 - 138	3	30
o-Xylene	<3.0		250	260		ug/L		104	61 - 130	4	30
sec-Butylbenzene	<3.5		250	293		ug/L		117	50 - 138	5	30
Styrene	<5.0		250	268		ug/L		107	58 - 131	4	30
tert-Butylbenzene	<3.2		250	291		ug/L		116	54 - 146	3	30
1,1,1,2-Tetrachloroethane	<2.6		250	268		ug/L		107	59 - 137	1	30
1,1,2,2-Tetrachloroethane	<2.5		250	282		ug/L		113	66 - 135	4	30
Tetrachloroethene	<2.9		250	249		ug/L		100	52 - 133	5	30
Toluene	<3.5		250	267		ug/L		107	65 - 130	2	30
trans-1,2-Dichloroethene	<2.5		250	261		ug/L		105	61 - 143	1	30
trans-1,3-Dichloropropene	<2.5		250	267		ug/L		107	53 - 133	0	30
1,2,3-Trichlorobenzene	<3.5		250	269		ug/L		107	43 - 145	5	30
1,2,4-Trichlorobenzene	<4.1		250	277		ug/L		111	39 - 148	3	30
1,1,1-Trichloroethane	<2.5		250	261		ug/L		104	57 - 142	1	30
1,1,2-Trichloroethane	<2.5		250	261		ug/L		104	66 - 131	0	30
Trichloroethene	1200		250	1420	4	ug/L		99	64 - 136	0	30
Trichlorofluoromethane	<2.6		250	247		ug/L		99	54 - 156	1	30
1,2,3-Trichloropropane	<4.2		250	273		ug/L		109	65 - 133	2	30
1,2,4-Trimethylbenzene	<4.1		250	292		ug/L		117	50 - 139	3	30
1,3,5-Trimethylbenzene	<2.8		250	288		ug/L		115	52 - 135	6	30
Vinyl chloride	<2.5		250	250		ug/L		100	46 - 152	3	30
Xylenes, Total	<8.0		500	522		ug/L		104	59 - 130	4	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*78 - 118*
Dibromofluoromethane	*105*		*81 - 121*
Toluene-d8 (Surr)	*105*		*80 - 120*

Lab Chronicle

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-1

Client Sample ID: TRIP BLANK
Date Collected: 03/29/16 11:00
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	301039	04/09/16 12:16	CAR	TAL PEN

Client Sample ID: MW-44
Date Collected: 03/29/16 12:10
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	5 mL	5 mL	301039	04/09/16 19:11	CAR	TAL PEN

Client Sample ID: MW-48
Date Collected: 03/29/16 13:00
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	301039	04/09/16 10:06	CAR	TAL PEN

Client Sample ID: MW-45
Date Collected: 03/29/16 13:45
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	301039	04/09/16 12:38	CAR	TAL PEN

Client Sample ID: MW-47
Date Collected: 03/29/16 14:35
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	301039	04/09/16 13:01	CAR	TAL PEN

Client Sample ID: MW-31D
Date Collected: 03/29/16 15:52
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	301039	04/09/16 13:25	CAR	TAL PEN

Lab Chronicle

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-1

Client Sample ID: MW-31S
Date Collected: 03/29/16 17:05
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	301039	04/09/16 13:50	CAR	TAL PEN

Client Sample ID: MW-22S
Date Collected: 03/30/16 08:40
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	5 mL	5 mL	301039	04/09/16 19:32	CAR	TAL PEN

Client Sample ID: MW-22D
Date Collected: 03/30/16 09:05
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	5 mL	5 mL	301039	04/09/16 18:06	CAR	TAL PEN

Client Sample ID: MW-41
Date Collected: 03/30/16 09:45
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	5 mL	5 mL	301039	04/09/16 18:28	CAR	TAL PEN

Client Sample ID: MW-25D
Date Collected: 03/30/16 10:25
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	5 mL	5 mL	301039	04/09/16 17:44	CAR	TAL PEN

Client Sample ID: MW-11
Date Collected: 03/30/16 11:00
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	5 mL	5 mL	301039	04/09/16 18:49	CAR	TAL PEN

Lab Chronicle

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-1

Client Sample ID: MW-38S
Date Collected: 03/30/16 12:00
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	301039	04/09/16 14:15	CAR	TAL PEN

Client Sample ID: MW-38
Date Collected: 03/30/16 12:55
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	301039	04/09/16 14:43	CAR	TAL PEN

Client Sample ID: MW-34
Date Collected: 03/30/16 14:30
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	301039	04/09/16 15:11	CAR	TAL PEN

Client Sample ID: MW-30S
Date Collected: 03/30/16 15:05
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-16
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	301039	04/09/16 15:39	CAR	TAL PEN

Client Sample ID: MW-30D
Date Collected: 03/30/16 15:35
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-17
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	301039	04/09/16 16:09	CAR	TAL PEN

Client Sample ID: MW-46
Date Collected: 03/30/16 16:15
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-18
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	301039	04/09/16 16:40	CAR	TAL PEN

Lab Chronicle

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-1

Client Sample ID: MW-28S
Date Collected: 03/30/16 16:55
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-19
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	301039	04/09/16 17:01	CAR	TAL PEN

Client Sample ID: MW-28D
Date Collected: 03/30/16 17:25
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-20
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	301039	04/09/16 17:23	CAR	TAL PEN

Client Sample ID: MW-35
Date Collected: 03/31/16 09:35
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-21
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	301080	04/10/16 15:50	S1S	TAL PEN

Client Sample ID: CS-2
Date Collected: 03/31/16 09:45
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-22
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	301080	04/10/16 16:10	S1S	TAL PEN

Client Sample ID: MW-27
Date Collected: 03/31/16 10:30
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-23
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	5 mL	5 mL	301080	04/10/16 14:28	S1S	TAL PEN

Client Sample ID: MW-37
Date Collected: 03/31/16 11:15
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-24
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	5 mL	5 mL	301080	04/10/16 19:54	S1S	TAL PEN

Lab Chronicle

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-1

Client Sample ID: MW-27 DUP
Date Collected: 03/31/16 00:00
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-25
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	5 mL	5 mL	301080	04/10/16 20:14	S1S	TAL PEN

Client Sample ID: Lab Control Sample
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-301039/1002
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	301039	04/09/16 08:12	CAR	TAL PEN

Client Sample ID: Lab Control Sample
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-301080/1002
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	301080	04/10/16 12:39	S1S	TAL PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-301039/4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	301039	04/09/16 09:45	CAR	TAL PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-301080/27
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	301080	04/10/16 13:45	S1S	TAL PEN

Client Sample ID: MW-48
Date Collected: 03/29/16 13:00
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-3 MS
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	301039	04/09/16 10:28	CAR	TAL PEN

Lab Chronicle

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-1

Client Sample ID: MW-27
Date Collected: 03/31/16 10:30
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-23 MS
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	5 mL	5 mL	301080	04/10/16 14:49	S1S	TAL PEN

Client Sample ID: MW-48
Date Collected: 03/29/16 13:00
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-3 MSD
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	301039	04/09/16 10:49	CAR	TAL PEN

Client Sample ID: MW-27
Date Collected: 03/31/16 10:30
Date Received: 04/01/16 08:49

Lab Sample ID: 400-119657-23 MSD
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	5 mL	5 mL	301080	04/10/16 15:09	S1S	TAL PEN

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Method Summary

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Certification Summary

Client: Ecology and Environment, Inc.
Project/Site: Water Valley Mississippi, Former Holley

TestAmerica Job ID: 400-119657-1

Laboratory: TestAmerica Pensacola

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40150	06-30-16
Arizona	State Program	9	AZ0710	01-11-17
Arkansas DEQ	State Program	6	88-0689	09-01-16
California	ELAP	9	2510	03-31-18
Florida	NELAP	4	E81010	06-30-16
Georgia	State Program	4	N/A	06-30-16
Illinois	NELAP	5	200041	10-09-16
Iowa	State Program	7	367	07-31-16
Kansas	NELAP	7	E-10253	05-31-16 *
Kentucky (UST)	State Program	4	53	06-30-16
Kentucky (WW)	State Program	4	98030	12-31-16
Louisiana	NELAP	6	30976	06-30-16
Maryland	State Program	3	233	09-30-16
Massachusetts	State Program	1	M-FL094	06-30-16
Michigan	State Program	5	9912	06-30-16
New Jersey	NELAP	2	FL006	06-30-16
North Carolina (WW/SW)	State Program	4	314	12-31-16
Oklahoma	State Program	6	9810	08-31-16
Pennsylvania	NELAP	3	68-00467	01-31-17
Rhode Island	State Program	1	LAO00307	12-30-16
South Carolina	State Program	4	96026	06-30-16
Tennessee	State Program	4	TN02907	06-30-16
Texas	NELAP	6	T104704286-15-9	09-30-16
USDA	Federal		P330-13-00193	07-01-16
Virginia	NELAP	3	460166	06-14-16
West Virginia DEP	State Program	3	136	06-30-16

Laboratory: TestAmerica Tallahassee

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Florida	NELAP	4	E81005	06-30-16
Georgia	State Program	4		06-30-16
Louisiana	NELAP	6	30663	06-30-16
USDA	Federal		P330-08-00158	10-14-17

* Certification renewal pending - certification considered valid.

TestAmerica Tallahassee
2846 Industrial Plaza Drive
Tallahassee, FL 32301
Phone (850) 878-3994 Fax (850) 878-9504

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler:	Lab PM: Jones, Matt	Carrier Tracking No(s):	COC No: 640-52480-13395.1
Client Contact: Steven Elliott	Phone: 850 435 8925	E-Mail: matt.jones@testamericainc.com		Page: Page 1 of 4
Company: Ecology and Environment, Inc.		Analysis Requested		Job #:
Address: 700 South Palafox Suite 100	Due Date Requested:			Preservation Codes:
City: Pensacola	TAT Requested (days): STR			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
State, Zip: FL, 32502				
Phone:	PO #: 1002554.0001			Other:
Email: selliott@ene.com	WO #: 1002554.0001			
Project Name: Water Valley Mississippi, Former Holley	Project #: 64001574			
Site:	SSOW#:			

400-119657 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	8260B - (MOD) 8260 Standard list	Perform MS/MSD (Yes or No)	Special Instructions/Note:
Trip Blank	3/29/16	1100	G	W		X		
MW-44		1210				X		
MW-48		1300				X		
MW-45		1345				X		
MW-47		1435				X		
MW-31D		1552				X		
MW-31S		1705				X		
MW-22S	3/30/16	0840				X		
MW-22D		0905				X		
MW-41		0945				X		
MW-25D		1025				X		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		3/31/16 1730	E+E		4/1/16 849	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 4.1°C

TestAmerica Tallahassee
2846 Industrial Plaza Drive
Tallahassee, FL 32301
Phone (850) 878-3994 Fax (850) 878-9504

Chain of Custody Record 119657

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler:	Lab PM: Jones, Matt	Carrier Tracking No(s):	COC No: 640-52480-13395.2
Client Contact: Steven Elliott	Phone: 850 435 8925	E-Mail: matt.jones@testamericainc.com		Page: Page 2 of 4
Company: Ecology and Environment, Inc.		Analysis Requested		Job #:
Address: 700 South Palafox Suite 100	Due Date Requested:			Preservation Codes:
City: Pensacola	TAT Requested (days): std			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
State, Zip: FL, 32502				
Phone:	PO #: 1002554.0001			Other:
Email: selliott@ene.com	WO #: 1002554.0001			
Project Name: Water Valley Mississippi, Former Holley	Project #: 64001574			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	8260B - (MOD) 8260 Standard list	Perform MS/MSD (Yes or No)	Special Instructions/Note:
			Preservation Code:					
MW-11	3/30/16	1100	G	W		X		
MW-38S		1200				X		
MW-38		1255				X		
MW-34		1430				X		
MW-30S		1505				X		
MW-30D		1535				X		
MW-46		1615				X		
MW-28S		1655				X		
MW-28D		1725				X		
MW-35	3/31/16	0935				X		
CS-2		0945				X		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment: D 4/1/16

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	3/31/16	E+E		4/1/16 (849)	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 4.1°C

TestAmerica Tallahassee
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Tallahassee, FL 32301
Phone (850) 878-3994 Fax (850) 878-9504

Chain of Custody Record

119657

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler:	Lab PM: Jones, Matt	Carrier Tracking No(s):	COC No: 640-52480-13395.3
Client Contact: Steven Elliott	Phone: 850 435 8925	E-Mail: matt.jones@testamericainc.com		Page: Page 3 of 4
Company: Ecology and Environment, Inc.		Analysis Requested		Job #:
Address: 700 South Palafox Suite 100	Due Date Requested:			Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
City: Pensacola	TAT Requested (days): std			
State, Zip: FL, 32502				
Phone:	PO #: 1002554.0001			Other:
Email: selliott@ene.com	WO #: 1002554.0001			
Project Name: Water Valley Mississippi, Former Holley	Project #: 64001574			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Preservation Code:	8260B - (MOD) 8260 Standard list	Total Number of containers	Special Instructions/Note:
MW-27	3/31/16	1030	G	W	X	X X		
MW-37	↓	1115	↓	↓		X		
~~MW-36 SR~~								

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	[signature]	3/31/16 1730	E+E	[signature]	4/1/16	
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 4/1/16 849	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 4.1 °C

Login Sample Receipt Checklist

Client: Ecology and Environment, Inc.

Job Number: 400-119657-1

Login Number: 119657

List Source: TestAmerica Pensacola

List Number: 1
Creator: Crawford, Lauren E

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.1°C IR-6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	