Groundwater Monitoring Report No. 17
(Fifth Annual Sampling Event)

for the

Sheridan Disposal Services Superfund Site
Operable Unit 2
Waller County, Texas

Prepared By

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SECTION ONE

Section 1

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1.0 INTRODUCTION

1.1 Purpose and Objectives

This Annual Groundwater Monitoring Report for the Sheridan Disposal Services Superfund Site Ground Water Migration Management Operable Unit 2 (OU2) has been prepared on behalf of the Sheridan Site Trust (SST) in accordance with the Record of Decision (ROD) signed September 22, 1989, the Statement of Work (SOW), the Ground Water Consent Decree (CD), except as modified by later agreement between SST and the U.S. Environmental Protection Agency (EPA), and the Ground Water Migration Management Workplan approved July 18, 2006 and revised November 14, 2007.

The purpose of this report is to report the data collected on June 28, 2016 during the annual groundwater monitoring event and summarize all the data collected to date.

1.2 Site Location and Description

The Sheridan Disposal Services (SDS) Superfund Site is located in northern Waller County, Texas, approximately 9 miles north-northwest of the City of Hempstead, Texas and 2 miles northwest of the intersection of Clark Bottom Road and Farm Road 1736. The property is bounded on the east, south and west sides by farm and ranch lands and on the north by the Brazos River. The site lies within the Gulf Coastal Plain Physiographic Province and is transitionally positioned between the Post Oak Savannah and Blackland Prairie Natural Regions of Texas.

The site encompassed approximately 110 acres and formerly included a 42-acre evaporation system, a 12-acre lagoon, a 17-acre dike surrounding the former lagoon, and miscellaneous processing equipment. The current site is a 32-acre capped vault completed with the OU1 remediation.

1.3 Operable Unit 2 History

In the final closure plan submitted to the state by SDS, the Sheridan Disposal Services Superfund Site was considered one unit. It was not until the U.S. EPA was involved with the site that 2 operable units were established. The Source Control unit was designated OU1 and the Ground Water Migration Management unit was designated OU2.

The ROD for OU2 was signed by U.S. EPA on September 27, 1989. The 1989 ROD identified natural attenuation as the selected remedy. The Ground Water Migration Management Consent Decree, ROD and Statement of Work were lodged in federal court in December 1991, but were not entered until October 22, 1997. The beginning of remedial action for OU2 was predicated on the completion of the remedial action for OU1 based on the assumption that without the source (sludge) available, the groundwater should be cleaned by natural attenuation from biological activity, sorption and filtration.

1.4 Operable Unit 2 Remedy

The major components of the selected remedy for Sheridan OU2 include:

- Natural attenuation of the groundwater;
- Monitoring of groundwater to ensure that the alternate concentration limits (ACL) are not exceeded;
- Sampling and analysis of the Brazos River immediately downgradient and upgradient of the point of entry of groundwater from the site to the river; and

- Development of a corrective action plan to ensure that protective levels are met at the point of potential exposure if the ACLs are exceeded.

SECTION TWO

Section 2

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2.0 ASSESSMENT MONITORING PROGRAM

2.1 Record of Decision Requirements

U.S. EPA has selected ACLs that are the appropriate groundwater standards for the site as long as the conditions set forth below remain valid. ACLs are groundwater protection standards that are used to assure that hazardous constituents found in the groundwater do not pose a risk to human health or the environment. To ensure that the ACLs remain protective, the following conditions must continue to be met at the site:

1) The Brazos River must remain the discharge point for groundwater from the site.

2) The Brazos River cannot be adversely impacted by the discharge of contaminated groundwater into the river. To ensure that future adverse impacts from the site do not occur at the point of exposure for environmental receptors in the river, the trigger levels specified in Section 4.2.1 of the Ground Water Migration Management Work Plan will be used as criteria to determine if surface water sampling should be resumed.

3) The groundwater use restrictions must be implemented and continued to ensure that affected groundwater is not consumed and the integrity of the Brazos River as a hydraulic barrier to groundwater flow is maintained. Groundwater restrictions specified in the ROD and Consent Decree include: no groundwater use within 100 feet from the edge of the plume and the owner will take no action at the site without getting consent from EPA, including sale of the site.

2.2 Remedy Assessment Criteria

Natural attenuation was chosen as the final remedy for groundwater. As part of the remedy selection process, ACLs were established for the groundwater protection standard. The ACL values were calculated by determining the volume of affected water entering the river at any time and factoring in the dilution which would occur in the river at historical low flow conditions.

In May 2011, the established ACLs were reviewed and revised as a result of EPA's first five-year review of the site. The revised ACLs are presented below.

COMPOUND	ALTERNATE CONCENTRATION LIMITS (mg/l)
Benzene	26
Tetrachloroethylene (PCE)	26
Trans-1,2-Dichloroethylene	520
Trichloroethylene (TCE)	26
Arsenic	52

The point of compliance for meeting the ACLs is the location where the ACLs must be met and is also the well location where ACLs are monitored. At the point of compliance, ACLs ensure that human health and the environment are protected at the point of exposure and no statistically significant increase in contamination occurs in the river.

SECTION THREE

Section 3

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3.0 SAMPLING AND ANALYSIS PROCEDURES

3.1 Pre-Sampling Activities

Prior to the start of groundwater sampling, the existing monitoring wells, MW-6, MW-31, MW-34, MW-35, MW-37, and MW-39, were located in the field and the total depth of the monitoring well and the depth to groundwater in each monitoring well were measured.

3.2 Groundwater Sampling

Groundwater sampling for the constituents of concern was used to determine the presence and concentration of the constituents, and if ACLs were approached or exceeded. The measurement of water levels at the site was used to determine the groundwater flow direction and gradient to ensure that the Brazos River is the receptor of groundwater from the site.

3.2.1 Sampling Procedures

Groundwater samples were collected from each monitoring well using low flow sampling techniques to minimize the effects of sediment entrained in the sample during analysis. The methods described in the U.S. EPA guidance document titled "Low-Flow (Minimal Drawdown) Groundwater Sampling Procedures" by Puls & Barcelona (EPA/540/S-95/504) were followed as described in the following paragraphs.

A variable flow submersible pump intake was placed at the middle, or slightly above the middle, of the screened interval and a low flow rate was used to draw formation water through the screen and up to the tubing outport. The flow rate was on the order of 0.1 - 0.5 L/min to minimize stress (drawdown of the water in the well casing), thereby minimizing any potential for overlying and underlying stagnant water to enter the pump intake. An in-line flow through cell was attached to the outport which allowed for a continual read-out of water quality parameters (i.e. pH, specific conductivity, temperature, dissolved oxygen, and oxidation reduction potential). Once these parameters had stabilized (indicative of formation water), the well was sampled regardless of the volume of water purged. Turbidity was also measured with intermittent samples using a HACH meter not attached to the flow through cell. Well purging operations during the sampling event were conducted with a YSI Water Quality Meter equipped with a flow through cell. All readings were recorded in the field logbook.

Upon the completion of sampling, the sample containers were labeled and placed on ice in laboratory supplied ice chests. The samples were shipped to the analytical laboratory at the completion of sampling with the proper chain-of-custody forms using an overnight delivery service. In addition to the groundwater samples, a quality control sample consisting of one duplicate was also collected during the sampling event.

3.2.2 Analytical Methods

Samples were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), pesticides, PCBs, and metals. The VOC analysis was performed using EPA SW-846 Method 8260B, SVOC analysis by EPA SW-846 8270C, pesticides by EPA SW-846 8081A, and PCBs by EPA SW-846 8082. Samples for metals analysis were filtered with a 0.45 micron filter and submitted for analysis by EPA SW-846 6020/7470A. The specific constituents of concern included the following:

VOLATILE ORGANIC COMPOUNDS		
Acetone	Chloroform	4-Methyl-2-pentanone (MIBK)
Benzene	Chloromethane	Styrene
Bromodichloromethane	1,1-Dichloroethane	1,1,2,2-Tetrachloroethane
Bromoform	1,1-Dichloroethene	Tetrachloroethene
Bromomethane	trans-1,2-Dichloroethene	Toluene
2-Butanone (MEK)	1,2-Dichloropropane	1,1,1-Trichloroethane
Carbon disulfide	cis-1,3-Dichloropropene	1,1,2-Trichloroethane
Carbon tetrachloride	trans-1,3-Dichloropropene	Trichloroethene
Chlorodibromomethane	Ethylbenzene	Vinyl acetate
Chlorobenzene	2-Hexanone	Vinyl chloride
Chloroethane	Methylene chloride	Xylenes

PESTICIDES/PCBS		
Aldrin	Dieldrin	Aroclor 1242
alpha-BHC	Endosulfan I	Aroclor 1254
Beta-BHC	Endosulfan II	Aroclor 1221
delta-BHC	Endosulfan sulfate	Aroclor 1232
gamma-BHC (Lindane)	Endrin	Aroclor 1248
Chlordane	Endrin ketone	Aroclor 1260
4,4'-DDT	Heptachlor	Aroclor 1216
4,4'-DDE	Heptachlor epoxide	Toxaphene
4,4'-DDD	Methoxychlor	

METALS		
Arsenic	Chromium	Selenium
Barium	Lead	Silver
Cadmium	Mercury	Zinc
	Nickel	

SEMIVOLATILE ORGANIC COMPOUNDS		
Acenaphthene	m-Cresol	Hexachloroethane
Acenaphthylene	p-Cresol	Indeno(1,2,3-cd) pyrene
Anthracene	Di-n-butylphthalate	2-Methylnaphthalene
Benz(a)anthracene	Dibenz (a,h) anthracene	Naphthalene
Benzo(b)fluoranthene	1,2-Dichlorobenzene	2-Nitroaniline
Benzo(k)fluoranthene	1,3-Dichlorobenzene	3-Nitroaniline
Benzo(g,h,i)perylene	1,4-Dichlorobenzene	4-Nitroaniline
Benzo(a)pyrene	3,3'-Dichlorobenzidine	Nitrobenzene
Benzoic acid	2,4-Dichlorophenol	2-Nitrophenol
Benzyl alcohol	Diethyl phthalate	4-Nitrophenol
Bis(2-chloroethoxy) methane	2,4-Dimethylphenol	N-Nitrosodimethylamine
Bis(2-chloroehyl) ehter	Dimethylphthalate	N-Nitrosodiphenylamine
Bis(2-chloroisopropyl) ether	4,6-Dinitro-2-methylphenol	N-Nitrosodi-n-propylamine
Bis(2-ethylhexyl) phthalate	2,4-Dinitrophenol	Pentachlorophenol
4-Bromophenyl phenyl ether	2,4-Dinitrotoluene	Phenanthrene
Butyl benzyl phthalate	2,6-Dinitrotoluene	Phenol
p-Chloroaniline	Di-n-octylphthalate	Pyrene
p-Chloro-m-cresol	Fluoranthene	1,2,4-Trichlorobenzene
2-Chloronaphthalene	Fluorene	2,4,5-Trichlorophenol
2-Chlorophenol	Hexachlorobenzene	2,4,6-Trichlorophenol
4-Chlorophenyl phenyl ether	Hexachlorobutadiene	
Chrysene	Hexachlorocyclopentadiene	

3.3 Surface Water Sampling

In September 2007, SST requested revising the Ground Water Migration Management Workplan to forgo surface water sampling in the Brazos River as long as the analytical results from the monitoring wells remain below the ACL level specified in the ROD and Statement of Work for the Ground Water Migration Management Operable Unit 2. This request was based on the results of the past quarterly surface water sampling, which showed that only arsenic had been detected and those concentration levels had been more than five orders of magnitude below the ACL level. This request was approved on November 14, 2007 with one modification: the trigger levels specified in Section 4.2.1 of the Ground Water Migration Management Work Plan will be used as the criteria to determine if surface water sampling is resumed. If any groundwater sample results show significant increase in contaminant concentrations, resumption of surface water sampling will be evaluated.

SECTION FOUR

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Section 4

4.0 EVALUATION OF MONITORING DATA

4.1 Analytical Results

The cumulative groundwater monitoring results are presented in Table 1. Data for constituents detected below reporting limits and qualified as estimated ("J") and constituents detected in the blank samples ("B") were excluded from further evaluation. The laboratory analytical report is included in Appendix A. As shown in Table 1, concentrations of benzene, tetrachloroethylene, trans-1,2-dichloroethylene, trichloroethylene, and arsenic are either non-detect or well below the established ACLs.

Additional constituents of potential concern that are being tracked include the following:

- Toluene was again not detected above the reporting limit or method detection limit in monitoring well MW-37, consistent with the last 5 monitoring events. Historically, toluene was detected above the reporting limit on 5 of the 7 sampling events between 2007 and 2009 with a high concentration of 0.011 mg/l in May 2007. Other lower concentrations above reporting limits and method detection limits are included in Table 1.

- Chlorobenzene was not detected above the reporting limit in monitoring well MW-37. Historically, chlorobenzene was detected above the reporting limit in 9 of the 14 sampling events between 2007 and 2015 with a high concentration of 0.023 mg/l in December 2009. Other lower concentrations above reporting limits and method detection limits are included in Table 1. Chlorobenzene was again not detected above the reporting limit in monitoring well MW-34, as during the previous monitoring event.

- Vinyl chloride was detected above the reporting limit in monitoring well MW-37 at a concentration of 0.003 mg/l. The greatest concentration at which this constituent had previously been detected was 0.15 mg/l in May 2008. Vinyl chloride was not detected above the reporting limit in monitoring well MW-6 as it historically had been in 8 of the 10 sampling events conducted between 2008 and 2015. Other concentrations above reporting limits and method detection limits for these monitoring wells are included in Table 1. It is highly probable that the vinyl chloride now being detected is a degradation product of both TCE and PCE, which demonstrates that the selected remedy of natural attenuation is ongoing at the Site.

With regard to a comparison of the June 2016 sampling results to the analytical results for the previous sampling events conducted since 1987, as shown in Figures 2A through 2F, the following conclusions can be drawn:

- Constituent concentrations in the groundwater collected from monitoring wells MW-6, MW-31, MW-35, and MW-39 appear stable with an overall reduction from the 1987 detected values. While the laboratory detection limits for the constituents of concern have become lower over the sampling period, the constituents detected are generally within the same order of magnitude.

- Benzene, trans-1,2-DCE and arsenic concentrations in groundwater collected from monitoring well MW-34 were below the applicable reporting limits during the June 2016 sampling event, consistent with the July 2015 sampling results, but not consistent with all other previous sampling results. This decrease may be the result of the change in groundwater flow direction due to the significant rain and flooding that has occurred in the last year on the Brazos River (see Section 4.2).

- Benzene, PCE, trans-1,2-DCE, and trichloroethene concentrations in groundwater collected from monitoring well MW-37 decreased slightly from the July 2015 concentrations. All of the constituent

concentrations are still below the maximum concentrations detected in this well in December 2009, which were significantly below the established ACLs.

4.2 Groundwater Gradient

The groundwater gradient and flow direction for the site were determined using the groundwater elevation data collected from the monitoring wells during the sampling events. These data are included in Table 2 and are depicted on Figure 1. Based on the data collected during the sampling event, the groundwater flow direction is to the southwest, southeast and east away from the Brazos River, which is consistent with the July 2015 sampling event, but inconsistent with all other previous sampling events. This change in flow direction is the result of elevated water levels in the Brazos River due to the significant amount of rainfall the area received in 2015 (73.22 inches when the average annual rainfall is 45.08 inches), as well as the significant amount of rainfall the area and upstream areas received in the weeks and months preceding the sampling event (approximately 26 inches from April to June 2016). These elevated levels caused flooding along the Brazos River adjacent to and upstream of the site, which affected the groundwater flow direction at the site. Water levels in the Brazos River have dropped significantly in the month of July with no significant rainfall to date. It is expected that the groundwater flow direction will return to normal in the coming months as waters recede. Refer to Appendix B for actual monthly rainfall amounts at a NOAA station located approximately 2 to 3 kilometers north of the Site for 2015 and January to March 2016; precipitation amounts for April to July 2016 at a USGS gauging station on the Brazos River near Hempstead, TX; average monthly rainfall amounts for Brenham, TX located approximately 20 miles west of the Site; and stream discharge and gage height measurements for the USGS gauging station on the Brazos River near Hempstead, TX.

4.3 Further Action

The concentrations of the constituents of concern in groundwater did not exceed the established trigger levels for increased monitoring, as presented below.

TRIGGER LEVELS FOR INCREASED FREQUENCY OF GROUNDWATER MONITORING	
COMPOUND	**TRIGGER LEVEL (mg/L)**
Benzene	1
Tetrachloroethylene	2
Trans-1,2-Dichloroethylene	1
Trichloroethylene	1
Arsenic	10

Therefore, based on the results from the June 2016 and previous sampling events, no further action with respect to an increase in the monitoring frequency is required in accordance with the Ground Water Migration Management Work Plan (as revised).

SECTION FIVE

Section 5

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5.0 REFERENCES

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Tables

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TABLE 1
SHERIDAN DISPOSAL SERVICES SUPERFUND SITE
GROUND WATER OPERABLE UNIT 2
LABORATORY ANALYTICAL RESULTS

Monitoring Well ID No.	Sample Date	Benzene (mg/l)	PCE (mg/l)	trans-1,2-DCE (mg/l)	TCE (mg/l)	Arsenic (mg/l)	Vinyl Chloride (mg/l)	Toluene (mg/l)	Chloro-benzene (mg/l)
Alternate Concentration Limit		**26**	**26**	**520**	**26**	**52**			
Trigger for RAP Preparation		**4**	**6**	**4**	**4**	**40**			
Trigger for Increased Monitoring		**1**	**2**	**1**	**1**	**10**			
MW-6	10/27/87	<0.005	<0.005	<0.005	<0.005	0.007			
	08/03/06	<0.0002	<0.0002	<0.0002	<0.00032	0.0014J	0.00073J	<0.0002	<0.0002
	11/08/06	<0.0002	<0.0002	<0.0002	<0.00032	0.0017J	0.0016J	<0.0002	<0.0002
	02/21/07	<0.0002	<0.0002	<0.0002	<0.00032	0.0017J	0.0027J	<0.0002	<0.0002
	05/24/07	<0.0002	<0.0002	<0.0002	<0.00032	0.0018J	0.0032J	<0.0002	<0.0002
	11/28/07	<0.0002	<0.0002	<0.0002	<0.00032	0.0002J	0.0046J	<0.0002	<0.0002
	05/28/08	<0.0002	<0.0002	<0.0002	<0.00032	<0.002	0.0013J	<0.0002	<0.0002
	11/19/08	<0.0002	<0.0002	<0.0002	<0.00032	0.0023J	0.0010	<0.0002	<0.0002
	05/27/09	<0.0002	<0.0002	<0.0002	<0.00032	0.0024J	0.0011	<0.0002	<0.0002
	12/01/09	<0.0002	<0.0002	<0.0002	<0.00032	<0.0015	0.0019	<0.0002	<0.0002
	05/26/10	<0.0002	<0.0002	<0.0002	<0.00032	<0.0015	<0.0002	<0.0002	<0.0002
	12/02/10	<0.0002	<0.0002	<0.0002	<0.00032	0.0014J	0.0041	<0.0002	<0.0002
	05/26/11	<0.00014	<0.00019	<0.0002	<0.00032	<0.0011	0.0025	<0.0003	<0.00014
	06/06/12	<0.00014	<0.00019	<0.0002	<0.00032	0.0014J	0.0024	<0.0003	<0.00014
	06/05/13	<0.00014	<0.00019	<0.0002	<0.00032	<0.0011	<0.0003	<0.0003	<0.00014
	06/11/14	<0.00014	<0.00019	<0.0002	<0.00032	<0.0011	0.0021	<0.0005	<0.00014
	07/01/15	<0.00033	<0.00019	<0.0002	<0.00032	<0.0011	0.0016	<0.0005	<0.00014
	06/28/16	<0.00033	<0.00019	<0.0002	<0.00032	0.0012 J	<0.0003	<0.0005	<0.00014
MW-31	10/28/87	<0.005	<0.005	<0.005	<0.005	0.006			
	08/03/06	<0.0002	<0.0002	<0.0002	<0.00032	0.0023	<0.0002	<0.0002	<0.0002
	11/08/06	<0.0002	<0.0002	<0.0002	<0.00032	0.012	<0.0002	<0.0002	<0.0002
	02/21/07	<0.0002	<0.0002	<0.0002	<0.00032	0.011	<0.0002	<0.0002	<0.0002
	05/24/07	<0.0002	<0.0002	<0.0002	<0.00032	0.0076	<0.0002	<0.0002	<0.0002
	11/28/07	<0.0002	<0.0002	<0.0002	<0.00032	0.0021J	<0.0002	<0.0002	<0.0002
	05/28/08	<0.0002	<0.0002	<0.0002	<0.00032	0.015	<0.0002	<0.0002	<0.0002
	11/19/08	<0.0002	<0.0002	<0.0002	<0.00032	0.014	<0.0002	<0.0002	<0.0002
	05/27/09	<0.0002	<0.0002	<0.0002	<0.00032	0.015	<0.0002	<0.0002	<0.0002
	12/01/09	<0.0002	<0.0002	<0.0002	<0.00032	0.01	<0.0002	<0.0002	<0.0002
	05/26/10	<0.0002	<0.0002	<0.0002	<0.00032	0.02	<0.0002	<0.0002	<0.0002
	12/02/10	<0.0002	<0.0002	<0.0002	<0.00032	0.013	<0.0002	<0.0002	<0.0002
	05/26/11	<0.00014	<0.00019	<0.0002	<0.00032	0.012	<0.0003	<0.0003	<0.00014
	06/06/12	<0.00014	<0.00019	<0.0002	<0.00032	0.018	<0.0003	<0.0003	<0.00014
	06/05/13	<0.00014	<0.00019	<0.0002	<0.00032	0.016	<0.0003	<0.0003	<0.00014
	06/11/14	<0.00014	<0.00019	<0.0002	<0.00032	0.015	<0.0003	<0.0005	<0.00014
	07/01/15	<0.00033	<0.00019	<0.0002	<0.00032	0.0029 J	<0.0003	<0.0005	<0.00014
	06/28/16	<0.00033	<0.00019	<0.0002	<0.00032	0.0017 J	<0.0003	<0.0005	<0.00014
MW-34	10/29/87	0.027	<0.005	0.025	0.0150	<0.003			
	08/03/06	0.067	<0.0002	0.012	0.00044J	0.0058	0.0017J	0.00023J	0.00052J
	11/08/06	0.0088	<0.0002	0.0044J	0.0004J	0.0044J	0.00067J	<0.0002	0.00029J
	02/21/07	0.010	<0.0002	0.0081	0.00036J	0.0038J	0.0013J	0.0002J	0.00027J
	05/24/07	0.00039J	<0.0002	0.0013J	<0.00032	<0.001	0.00031J	<0.0002	<0.0002
	11/28/07	0.0047J	<0.0002	0.004J	0.0012J	0.0042J	0.00063J	<0.0002	0.00029J
	05/28/08	0.0014J	<0.0002	0.0042J	<0.00032	0.0032J	0.0012J	<0.0002	<0.0002
	11/19/08	0.0032	<0.0002	0.0084	0.00035J	0.0068	0.0023	<0.0002	0.00042J
	05/27/09	0.100	<0.0002	0.015	0.00094J	0.0066	0.0017	0.00025J	0.0013
	12/02/09	0.0094	<0.0002	0.0034	<0.00032	0.0029J	0.0013	<0.0002	0.00024J
	05/26/10	0.0042	<0.0002	0.0047	<0.00032	0.0017J	0.0011	<0.0002	0.00033J
	12/03/10	0.0091	<0.0002	0.012	0.0005J	0.0045J	0.0031	<0.0002	<0.0002
	05/26/11	0.0033	<0.00019	0.0086	<0.00032	0.0063	0.0011	<0.0003	<0.00014
	06/06/12	0.0025	<0.00019	0.0051	<0.00032	0.0045J	0.0016	<0.0003	<0.00014
	06/06/13	0.01	<0.00019	0.0064	<0.00032	0.0067	0.0016	<0.0003	0.00059J

J: Result is < RL, but > or = to MDL and concentration is estimated
B: Compound was found in the blank and sample

TABLE 1
SHERIDAN DISPOSAL SERVICES SUPERFUND SITE
GROUND WATER OPERABLE UNIT 2
LABORATORY ANALYTICAL RESULTS

Monitoring Well ID No.	Sample Date	Benzene (mg/l)	PCE (mg/l)	trans-1,2-DCE (mg/l)	TCE (mg/l)	Arsenic (mg/l)	Vinyl Chloride (mg/l)	Toluene (mg/l)	Chloro-benzene (mg/l)
Alternate Concentration Limit		**26**	**26**	**520**	**26**	**52**			
Trigger for RAP Preparation		**4**	**6**	**4**	**4**	**40**			
Trigger for Increased Monitoring		**1**	**2**	**1**	**1**	**10**			
MW-34	06/11/14	0.0007 J	<0.00019	0.0058	<0.00032	0.003 J	0.0018	<0.0005	0.00024 J
	07/01/15	<0.00033	<0.00019	<0.0002	<0.00032	<0.0011	<0.0003	<0.0005	<0.00014
	06/28/16	<0.00033	<0.00019	<0.0002	<0.00032	<0.0011	<0.0003	<0.0005	<0.00014
MW-35	10/29/87	<0.005	<0.005	<0.005	<0.005	<0.003			
	08/03/06	0.00033J	<0.0002	<0.0002	<0.00032	<0.001	<0.0002	<0.0002	<0.0002
	11/08/06	<0.0002	<0.0002	<0.0002	<0.00032	<0.001	<0.0002	<0.0002	<0.0002
	02/21/07	<0.0002	<0.0002	<0.0002	<0.00032	<0.001	<0.0002	<0.0002	<0.0002
	05/24/07	<0.0002	<0.0002	<0.0002	<0.00032	0.0015J	<0.0002	<0.0002	<0.0002
	11/28/07	<0.0002	<0.0002	<0.0002	<0.00032	<0.002	<0.0002	<0.0002	<0.0002
	05/28/08	<0.0002	<0.0002	<0.0002	<0.00032	<0.002	<0.0002	<0.0002	<0.0002
	11/19/08	<0.0002	<0.0002	<0.0002	<0.00032	<0.0011	<0.0002	<0.0002	<0.0002
	05/27/09	<0.0002	<0.0002	<0.0002	<0.00032	0.0013J	<0.0002	<0.0002	<0.0002
	12/02/09	<0.0002	<0.0002	<0.0002	<0.00032	<0.0015	<0.0002	<0.0002	<0.0002
	05/26/10	<0.0002	<0.0002	<0.0002	<0.00032	<0.0015	<0.0002	<0.0002	<0.0002
	12/02/10	<0.0002	<0.0002	<0.0002	<0.00032	<0.0011	<0.0002	<0.0002	<0.0002
	05/26/11	<0.00014	<0.00019	<0.0002	<0.00032	<0.0011	<0.0003	<0.0003	<0.00014
	06/07/12	<0.00014	<0.00019	<0.0002	<0.00032	<0.0011	<0.0003	<0.0003	<0.00014
	06/06/13	<0.00014	<0.00019	<0.0002	<0.00032	<0.0011	<0.0003	<0.0003	<0.00014
	06/11/14	<0.00014	<0.00019	<0.0002	<0.00032	<0.0011	<0.0003	<0.0005	<0.00014
	07/01/15	<0.00033	<0.00019	<0.0002	<0.00032	<0.0011	<0.0003	<0.0005	<0.00014
	06/28/16	<0.00033	<0.00019	<0.0002	<0.00032	<0.0011	<0.0003	<0.0005	<0.00014
MW-37	10/29/87	<0.005	0.013	0.0052	<0.005	<0.003			
	08/03/06	0.0013J	<0.0002	0.0046J	0.00032J	0.004J	0.011	0.00047J	0.0015J
	11/08/06	0.00076J	0.00074J	0.0029J	0.0013J	0.0033J	0.0068	0.00022J	0.0014J
	02/21/07	0.011	0.0012J	0.011	0.004J	0.0074	0.055	0.0089	0.0047J
	05/24/07	0.018	0.014	0.02	0.056	0.0073	0.076	0.011	0.012
	11/28/07	0.0026J	0.022	0.006	0.026	0.0021J	0.0072	0.00025J	0.0019J
	05/28/08	0.016	<0.0002	0.017	0.0019J	0.0061	0.15	0.0067	0.0087
	11/19/08	0.0035	0.00068J	0.0045	0.0017	0.0048J	0.072	0.0005J	0.0031
	05/27/09	0.0027	0.00076J	0.0023	0.0035	0.0036J	0.011	0.0011	0.0026
	12/02/09	0.022	0.14	0.073	0.45	0.0041J	0.092	0.0029	0.023
	05/26/10	0.0052	0.014	0.012	0.054	0.004J	0.028	0.0006J	0.0056
	12/03/10	0.0014	0.0013	0.003	0.0075	0.0024J	0.061	0.00021J	0.0016
	05/27/11	0.0023	0.0014	0.0014	0.01	0.0017J	0.038	<0.0003	<0.00014
	06/07/12	0.0017	0.0083	0.011	0.045	0.004J	0.012	<0.0003	<0.00014
	06/06/13	0.0019	0.0012	0.011	0.012	0.0031J	0.13	<0.0003	0.0017
	06/11/14	0.00047 J	0.00069 J	0.0017	0.0032	0.0015 J	0.04	<0.0005	0.00062 J
	07/01/15	0.0099	0.034	0.037	0.12	0.0014 J	0.041	<0.0005	0.0051
	06/28/16	<0.00033	0.013	0.011	0.044	0.0012 J	0.003	<0.0005	<0.00014
MW-39	10/28/87	<0.005	<0.005	<0.005	<0.005	0.048			
	08/03/06	<0.0002	<0.0002	<0.0002	<0.00032	0.051	<0.0002	<0.0002	<0.0002
	11/08/06	<0.0002	<0.0002	<0.0002	<0.00032	0.0033J	<0.0002	<0.0002	<0.0002
	02/21/07	<0.0002	<0.0002	<0.0002	<0.00032	0.003J	<0.0002	<0.0002	<0.0002
	05/24/07	<0.0002	<0.0002	<0.0002	<0.00032	0.0056	<0.0002	<0.0002	<0.0002
	11/28/07	<0.0002	<0.0002	<0.0002	<0.00032	0.0029J	<0.0002	<0.0002	<0.0002
	05/28/08	<0.0002	<0.0002	<0.0002	<0.00032	0.0068	<0.0002	<0.0002	<0.0002
	11/19/08	<0.0002	<0.0002	<0.0002	<0.00032	0.0065	<0.0002	<0.0002	<0.0002
	05/27/09	<0.0002	<0.0002	<0.0002	<0.00032	0.007	<0.0002	<0.0002	<0.0002
	12/02/09	<0.0002	<0.0002	<0.0002	<0.00032	0.0052	<0.0002	<0.0002	<0.0002
	05/26/10	<0.0002	<0.0002	<0.0002	<0.00032	0.004J	<0.0002	<0.0002	<0.0002
	12/03/10	<0.0002	<0.0002	<0.0002	<0.00032	0.0081	<0.0002	<0.0002	<0.0002

J: Result is < RL, but > or = to MDL and concentration is estimated
B: Compound was found in the blank and sample

TABLE 1
SHERIDAN DISPOSAL SERVICES SUPERFUND SITE
GROUND WATER OPERABLE UNIT 2
LABORATORY ANALYTICAL RESULTS

Monitoring Well ID No.		Sample Date	Benzene (mg/l)	PCE (mg/l)	trans-1,2-DCE (mg/l)	TCE (mg/l)	Arsenic (mg/l)	Vinyl Chloride (mg/l)	Toluene (mg/l)	Chloro-benzene (mg/l)
Alternate Concentration Limit			**26**	**26**	**520**	**26**	**52**			
Trigger for RAP Preparation			**4**	**6**	**4**	**4**	**40**			
Trigger for Increased Monitoring			**1**	**2**	**1**	**1**	**10**			
MW-39		05/26/11	<0.00014	<0.00019	<0.0002	<0.00032	**0.0022J**	<0.0003	<0.0003	<0.00014
		06/06/12	<0.00014	<0.00019	<0.0002	<0.00032	**0.011**	<0.0003	<0.0003	<0.00014
		06/05/13	<0.00014	<0.00019	<0.0002	<0.00032	**0.01**	<0.0003	<0.0003	<0.00014
		06/11/14	<0.00014	<0.00019	<0.0002	<0.00032	**0.0068**	<0.0003	<0.0005	<0.00014
		07/01/15	<0.00033	<0.00019	<0.0002	<0.00032	**0.0019 J**	<0.0003	<0.0005	<0.00014
		06/28/16	<0.00033	<0.00019	<0.0002	<0.00032	**0.0033 J**	<0.0003	<0.0005	<0.00014
Duplicate	MW-31	11/19/08	<0.0002	<0.0002	<0.0002	<0.00032	**0.014**	<0.0002	<0.0002	<0.0002
	MW-31	05/27/09	<0.0002	<0.0002	<0.0002	<0.00032	**0.016**	<0.0002	<0.0002	<0.0002
	MW-31	12/01/09	<0.0002	<0.0002	<0.0002	<0.00032	**0.01**	<0.0002	<0.0002	<0.0002
	MW-37	05/26/10	**0.0059**	**0.013**	**0.013**	**0.056**	**0.0037J**	**0.03**	**0.00086J**	**0.0066**
	MW-35	12/02/10	<0.0002	<0.0002	<0.0002	<0.00032	<0.0011	<0.0002	<0.0002	<0.0002
	MW-31	05/26/11	<0.00014	<0.00019	<0.0002	<0.00032	**0.011**	<0.0003	<0.0003	<0.00014
	MW-35	06/07/12	<0.00014	<0.00019	<0.0002	<0.00032	<0.0011	<0.0003	<0.0003	<0.00014
	MW-31	06/05/13	<0.00014	<0.00019	<0.0002	<0.00032	**0.013**	<0.0003	<0.0003	<0.00014
	MW-31	06/11/14	<0.00014	<0.00019	<0.0002	<0.00032	**0.014**	<0.0003	<0.0005	<0.00014
	MW-34	07/01/15	<0.00033	<0.00019	<0.0002	<0.00032	<0.0011	<0.0003	<0.0005	<0.00014
	MW-34	06/28/16	<0.00033	<0.00019	<0.0002	<0.00032	<0.0011	<0.0003	<0.0005	<0.00014

J: Result is < RL, but > or = to MDL and concentration is estimated
B: Compound was found in the blank and sample

TABLE 2
SHERIDAN DISPOSAL SERVICES SUPERFUND SITE
GROUND WATER OPERABLE UNIT 2
WELL DATA

Monitoring Well ID No.	Sample Date	Ground Elevation (ft amsl)	TOC Elevation (ft amsl)	Standpipe Stickup (+) Stickdown (-)	Total Well Depth (ft from gs)	Casing/ Screen Diameter (inches)	Screened Interval (ft from gs)	Depth to Water (ft from gs)	Depth to Water (ft from TOC)	Water Elevation (ft amsl)
MW-6	08/03/06	164.46	167.58	3.12	95.21	2	80-95	33.41	36.53	131.05
	11/08/06							33.12	36.24	131.34
	02/21/07							27.76	30.88	136.70
	05/24/07							28.16	31.28	136.30
	11/28/07							27.25	30.37	137.21
	05/28/08							28.41	31.53	136.05
	11/19/08							31.20	34.32	133.26
	05/27/09							31.10	34.22	133.36
	12/01/09							31.00	34.12	133.46
	05/26/10							30.00	33.12	134.46
	12/02/10							32.46	35.58	132.00
	05/26/11							34.50	37.62	129.96
	06/06/12							33.16	36.28	131.30
	06/06/13							36.37	39.49	128.09
	06/11/14							33.48	36.60	130.98
	07/01/15							23.55	26.67	140.91
	06/28/16							18.10	21.22	146.36
MW-31	08/03/06	166.70	168.67	1.97	65.01	4	25-60	35.34	37.31	131.36
	11/08/06							35.26	37.23	131.44
	02/21/07							32.65	34.62	134.05
	05/24/07							29.07	31.04	137.63
	11/28/07							27.77	29.74	138.93
	05/28/08							30.24	32.21	136.46
	11/19/08							33.43	35.40	133.27
	05/27/09							32.56	34.53	134.14
	12/01/09							32.35	34.32	134.35
	05/26/10							29.45	31.42	137.25
	12/02/10							33.12	35.09	133.58
	05/26/11							35.64	37.61	131.06
	06/06/12							33.42	35.39	133.28
	06/06/13							37.46	39.43	129.24
	06/11/14							34.48	36.45	132.22

TABLE 2
SHERIDAN DISPOSAL SERVICES SUPERFUND SITE
GROUND WATER OPERABLE UNIT 2
WELL DATA

Monitoring Well ID No.	Sample Date	Ground Elevation (ft amsl)	TOC Elevation (ft amsl)	Standpipe Stickup (+) Stickdown (-)	Total Well Depth (ft from gs)	Casing/ Screen Diameter (inches)	Screened Interval (ft from gs)	Depth to Water (ft from gs)	Depth to Water (ft from TOC)	Water Elevation (ft amsl)
MW-31	07/01/15	166.70	168.67	1.97	65.01	4	25-60	25.07	27.04	141.63
	06/28/16							17.33	19.30	149.37
MW-34	08/03/06	171.07	173.45	2.38	65.50	4	26-61	42.78	45.16	128.29
	11/08/06							41.22	43.60	129.85
	02/21/07							39.70	42.08	131.37
	05/24/07							33.66	36.04	137.41
	11/28/07							37.40	39.78	133.67
	05/28/08							36.05	38.43	135.02
	11/19/08							41.47	43.85	129.60
	05/27/09							39.99	42.37	131.08
	12/02/09							36.38	38.76	134.69
	05/26/10							36.27	38.65	134.80
	12/02/10							40.58	42.96	130.49
	05/26/11							42.78	45.16	128.29
	06/06/12							41.18	43.56	129.89
	06/06/13							43.38	45.76	127.69
	06/11/14							40.65	43.03	130.42
	07/01/15							21.66	24.04	149.41
	06/28/16							18.88	21.26	152.19
MW-35	08/03/06	171.32	173.39	2.07	105.02	2	80-100	41.44	43.51	129.88
	11/08/06							41.32	43.39	130.00
	02/21/07							39.32	41.39	132.00
	05/24/07							36.45	38.52	134.87
	11/28/07							34.57	36.64	136.75
	05/28/08							36.49	38.56	134.83
	11/19/08							40.19	42.26	131.13
	05/27/09							40.04	42.11	131.28
	12/02/09							38.09	40.16	133.23
	05/26/10							37.18	39.25	134.14
	12/02/10							40.25	42.32	131.07
	05/26/11							42.56	44.63	128.76
	06/07/12							40.79	42.86	130.53

TABLE 2
SHERIDAN DISPOSAL SERVICES SUPERFUND SITE
GROUND WATER OPERABLE UNIT 2
WELL DATA

Monitoring Well ID No.	Sample Date	Ground Elevation (ft amsl)	TOC Elevation (ft amsl)	Standpipe Stickup (+) Stickdown (-)	Total Well Depth (ft from gs)	Casing/ Screen Diameter (inches)	Screened Interval (ft from gs)	Depth to Water (ft from gs)	Depth to Water (ft from TOC)	Water Elevation (ft amsl)
MW-35	06/06/13	171.32	173.39	2.07	105.02	2	80-100	44.05	46.12	127.27
	06/11/14							41.95	44.02	129.37
	07/01/15							26.97	29.04	144.35
	06/28/16							22.61	24.68	148.71
MW-37	08/03/06	161.83	164.09	2.26	59.70	4	25-55	36.65	38.91	125.18
	11/08/06							35.35	37.61	126.48
	02/21/07							33.03	35.29	128.80
	05/24/07							27.18	29.44	134.65
	11/28/07							32.20	34.46	129.63
	05/28/08							29.89	32.15	131.94
	11/19/08							35.66	37.92	126.17
	05/27/09							32.65	34.91	129.18
	12/02/09							30.48	32.74	131.35
	05/26/10							30.36	32.62	131.47
	12/02/10							35.03	37.29	126.80
	05/27/11							37.12	39.38	124.71
	06/07/12							35.38	37.64	126.45
	06/06/13							37.57	39.83	124.26
	06/11/14							34.24	36.50	127.59
	07/01/15							16.35	18.61	145.48
	06/28/16							13.70	15.96	148.13
MW-39	08/03/06	164.81	166.41	1.60	59.00	4	34-54	34.15	35.75	130.66
	11/08/06							32.85	34.45	131.96
	02/21/07							28.91	30.51	135.90
	05/24/07							25.56	27.16	139.25
	11/28/07							28.33	29.93	136.48
	05/28/08							27.07	28.67	137.74
	11/19/08							30.77	32.37	134.04
	05/27/09							29.54	31.14	135.27
	12/02/09							29.89	31.49	134.92
	05/26/10							28.00	29.60	136.81
	12/02/10							32.59	34.19	132.22

TABLE 2
SHERIDAN DISPOSAL SERVICES SUPERFUND SITE
GROUND WATER OPERABLE UNIT 2
WELL DATA

Monitoring Well ID No.	Sample Date	Ground Elevation (ft amsl)	TOC Elevation (ft amsl)	Standpipe Stickup (+) Stickdown (-)	Total Well Depth (ft from gs)	Casing/ Screen Diameter (inches)	Screened Interval (ft from gs)	Depth to Water (ft from gs)	Depth to Water (ft from TOC)	Water Elevation (ft amsl)
MW-39	05/26/11	164.81	166.41	1.60	59.00	4	34-54	34.74	36.34	130.07
	06/06/12							32.32	33.92	132.49
	06/06/13							35.96	37.56	128.85
	06/11/14							29.84	31.44	134.97
	07/01/15							18.67	20.27	146.14
	06/28/16							13.92	15.52	150.89

FIGURES

Figures

ENTACT®
environmental services

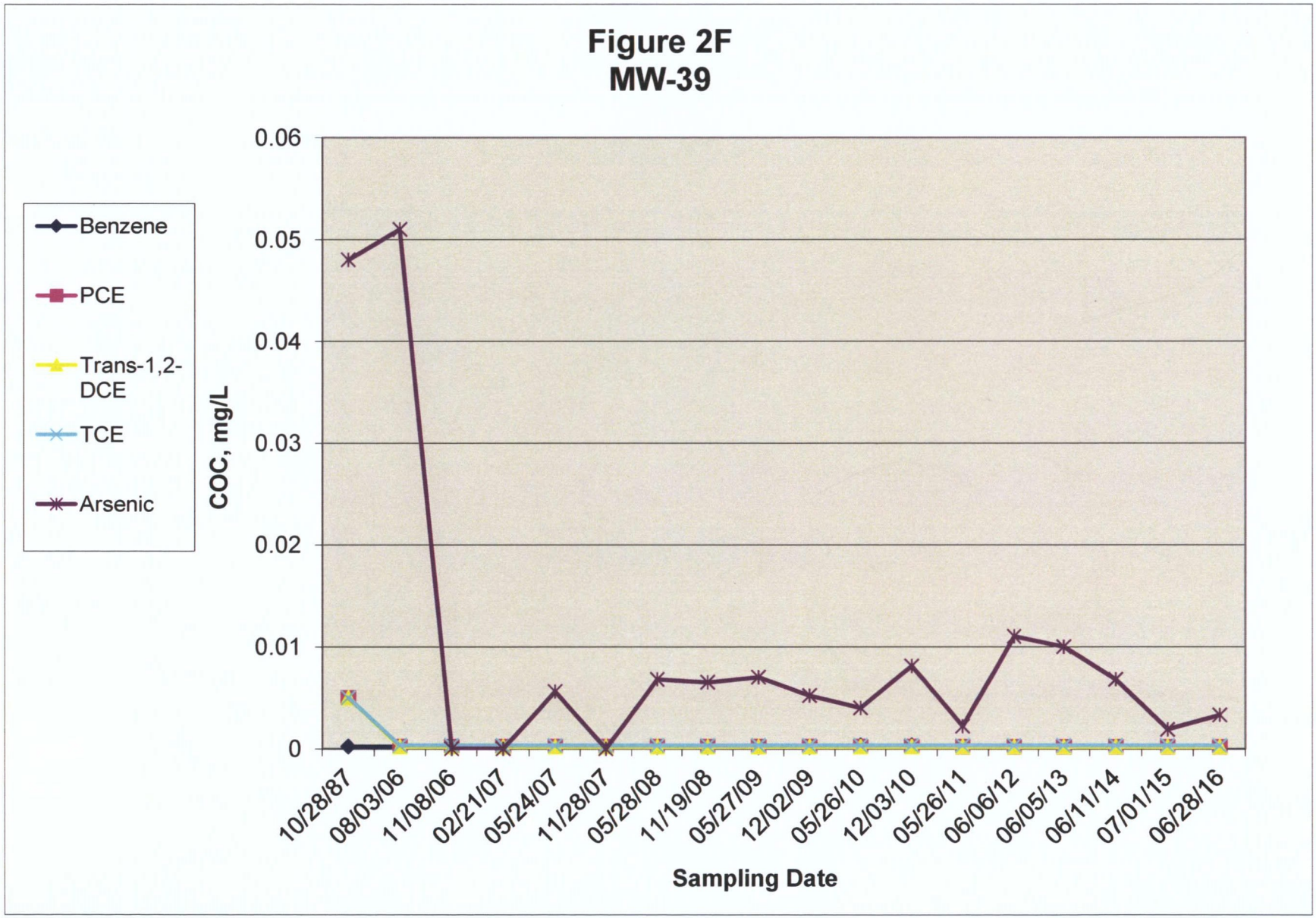
Figure 2F
MW-39
Benzene
PCE
Trans-1,2-DCE
TCE
Arsenic
COC, mg/L
0.06
0.05
0.04
0.03
0.02
0.01
0
10/28/87
08/03/06
11/08/06
02/21/07
05/24/07
11/28/07
05/28/08
11/19/08
05/27/09
12/02/09
05/26/10
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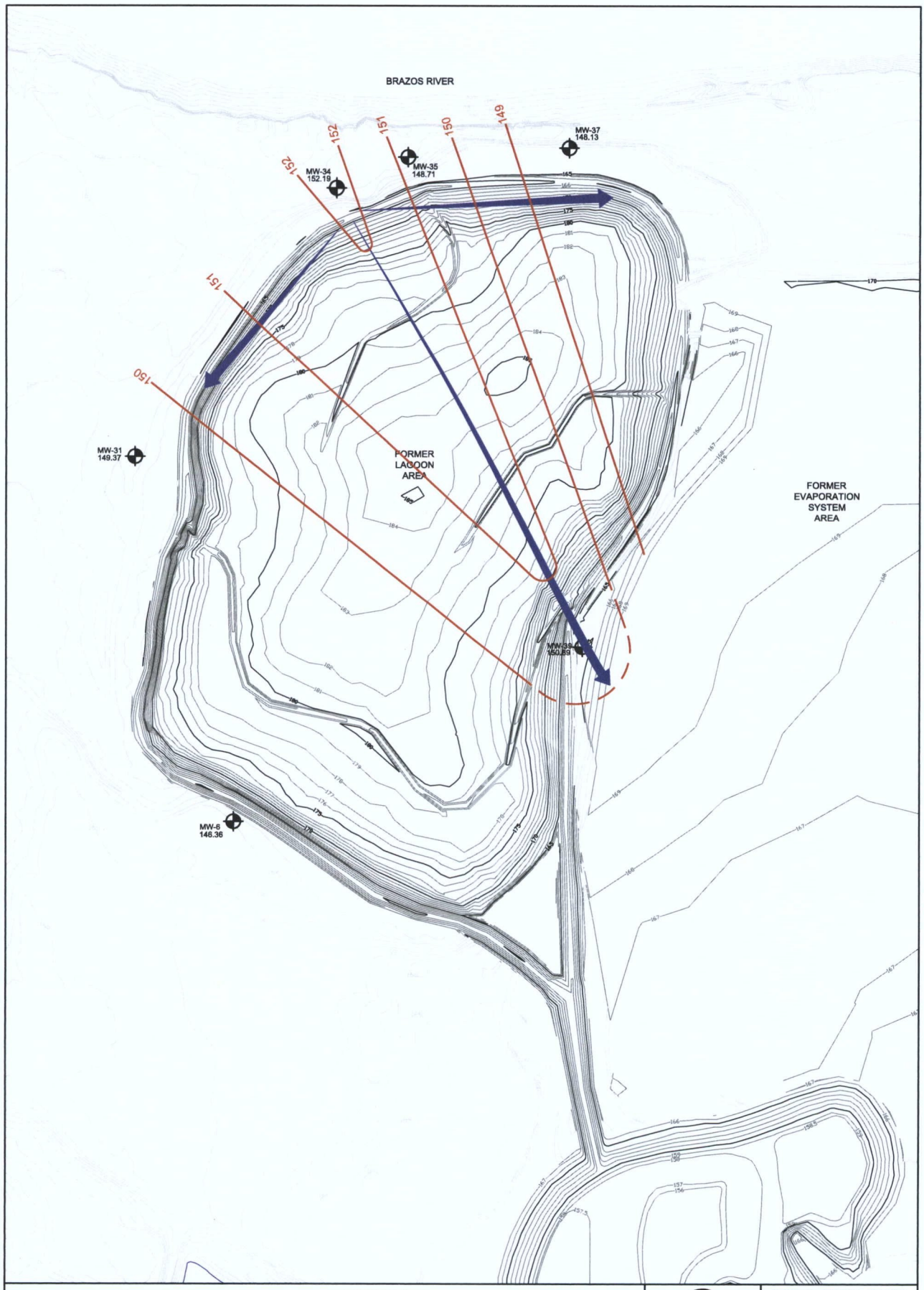
06/06/12
06/05/13
06/11/14
07/01/15
06/28/16
Sampling Date



LEGEND

MW-6 140.91 — MONITOR WELL LOCATION AND TOP OF CASING ELEVATION

180 / 161 — REVISED CONTOURS - POST REMEDIATION

EXISTING CONTOURS

146 — GROUNDWATER GRADIENT CONTOUR

GROUNDWATER FLOW DIRECTION

* MW-6 AND MW-35 COMPLETED IN DEEPER AQUIFER

N

SCALE

0' 200' 400'

ENTACT

SHERIDAN DISPOSAL SERVICES
SUPERFUND SITE
WALLER COUNTY, TEXAS

GROUNDWATER GRADIENT
AND
FLOW DIRECTION MAP

DESIGNED BY	G. TUNSTALL	01-23-06	CHECKED BY	J. SELF	07-1-16
DRAWN BY	D.MONTGOM	07-1-16	APPROVED BY	J. SELF	07-1-16
SCALE: 1" : 200'	PROJECT NO. E8077		NO. 1	REVISION NO.	

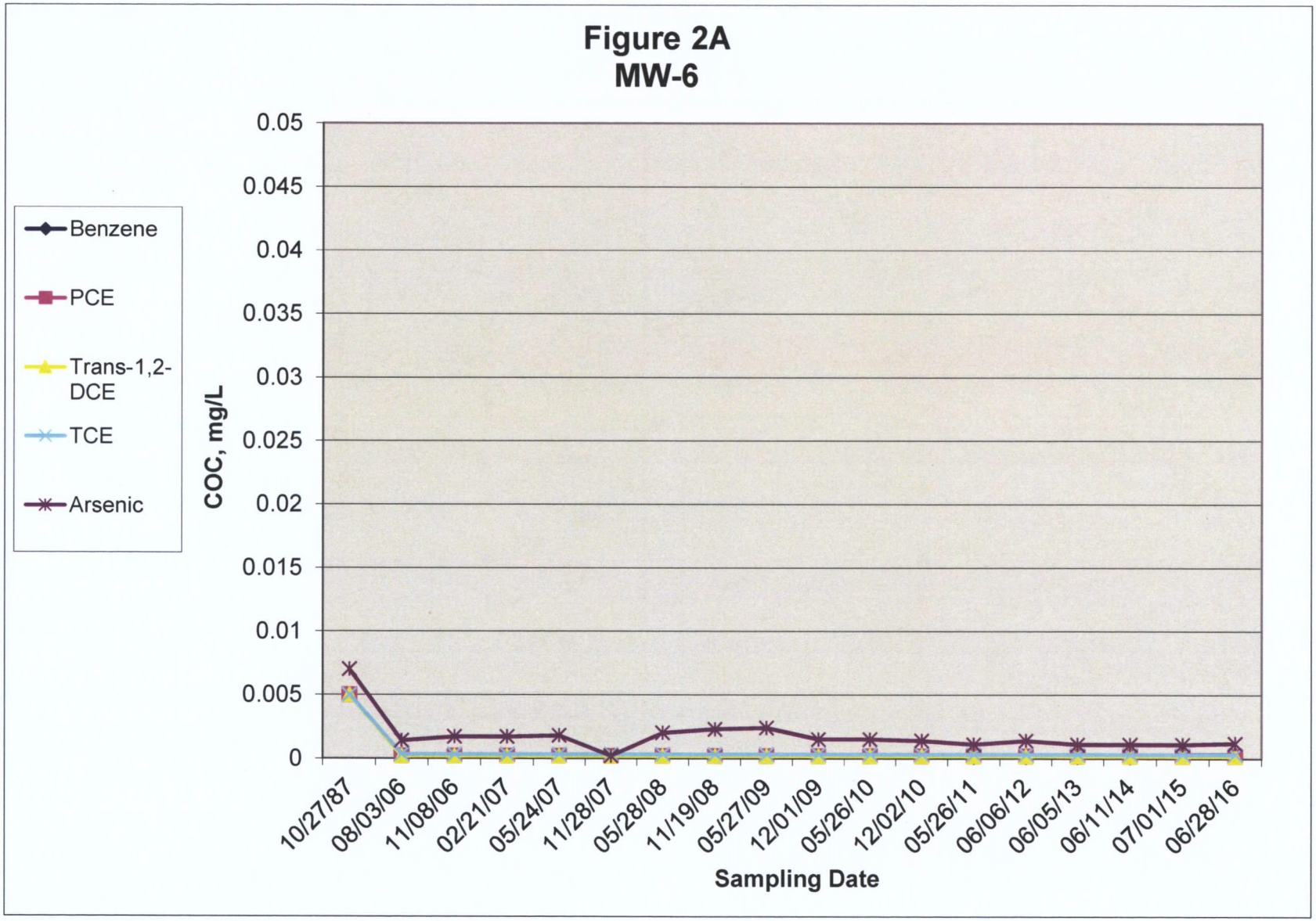


Figure 2A
MW-6
Benzene
PCE
Trans-1,2-DCE
TCE
Arsenic
COC, mg/L
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
10/27/87
08/03/06
11/08/06
02/21/07
05/24/07
11/28/07
05/28/08
11/19/08
05/27/09
12/01/09
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06/06/12
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06/11/14
07/01/15
06/28/16
Sampling Date

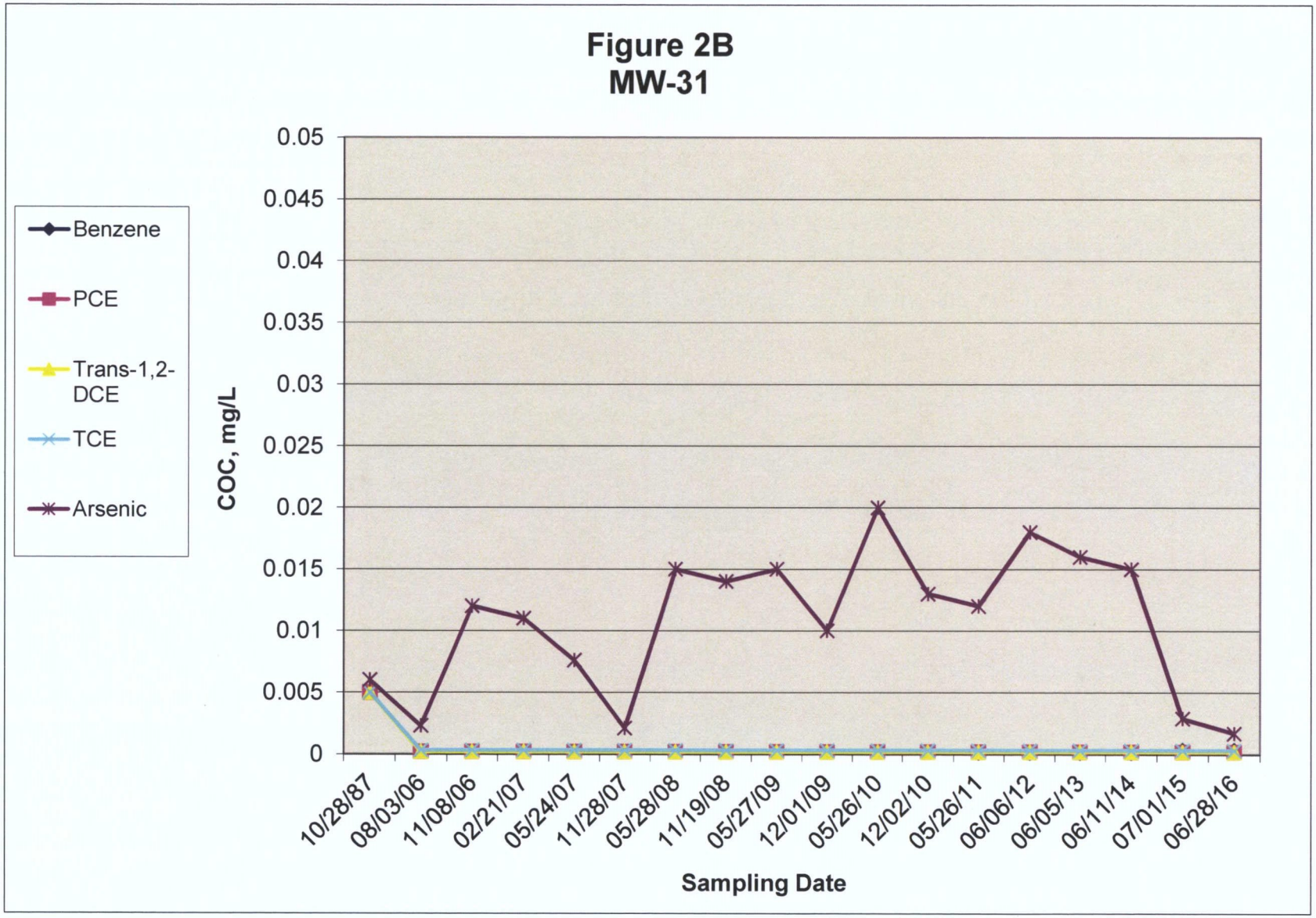


Figure 2B
MW-31
Benzene
PCE
Trans-1,2-DCE
TCE
Arsenic
COC, mg/L
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
10/28/87
08/03/06
11/08/06
02/21/07
05/24/07
11/28/07
05/28/08
11/19/08
05/27/09
12/01/09
05/26/10
12/02/10
05/26/11
06/06/12
06/05/13
06/11/14
07/01/15
06/28/16
Sampling Date

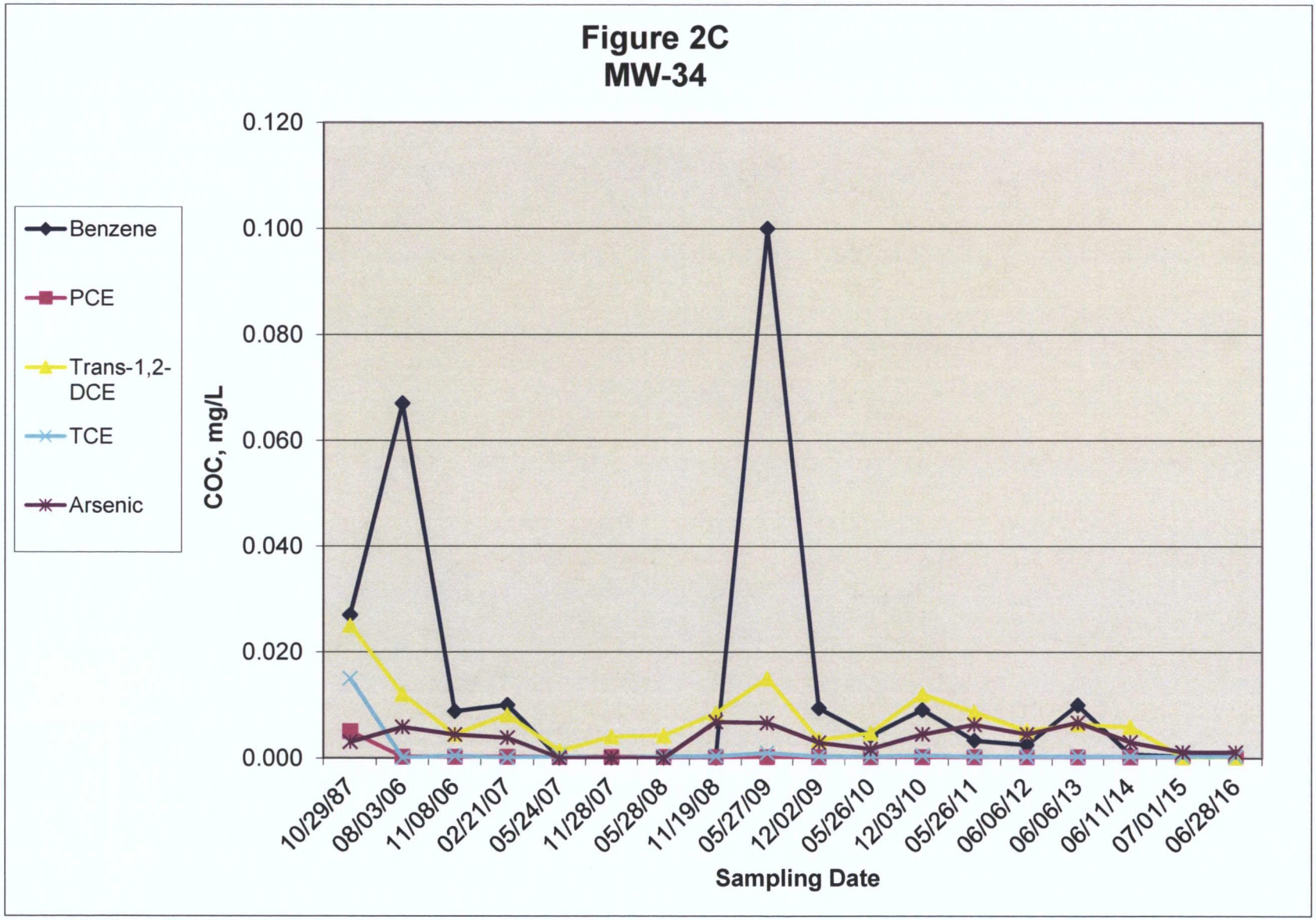


Figure 2C
MW-34
Benzene
PCE
Trans-1,2-DCE
TCE
Arsenic
COC, mg/L
0.120
0.100
0.080
0.060
0.040
0.020
0.000
10/29/87
08/03/06
11/08/06
02/21/07
05/24/07
11/28/07
05/28/08
11/19/08
05/27/09
12/02/09
05/26/10
12/03/10
05/26/11
06/06/12
06/06/13
06/11/14
07/01/15
06/28/16
Sampling Date

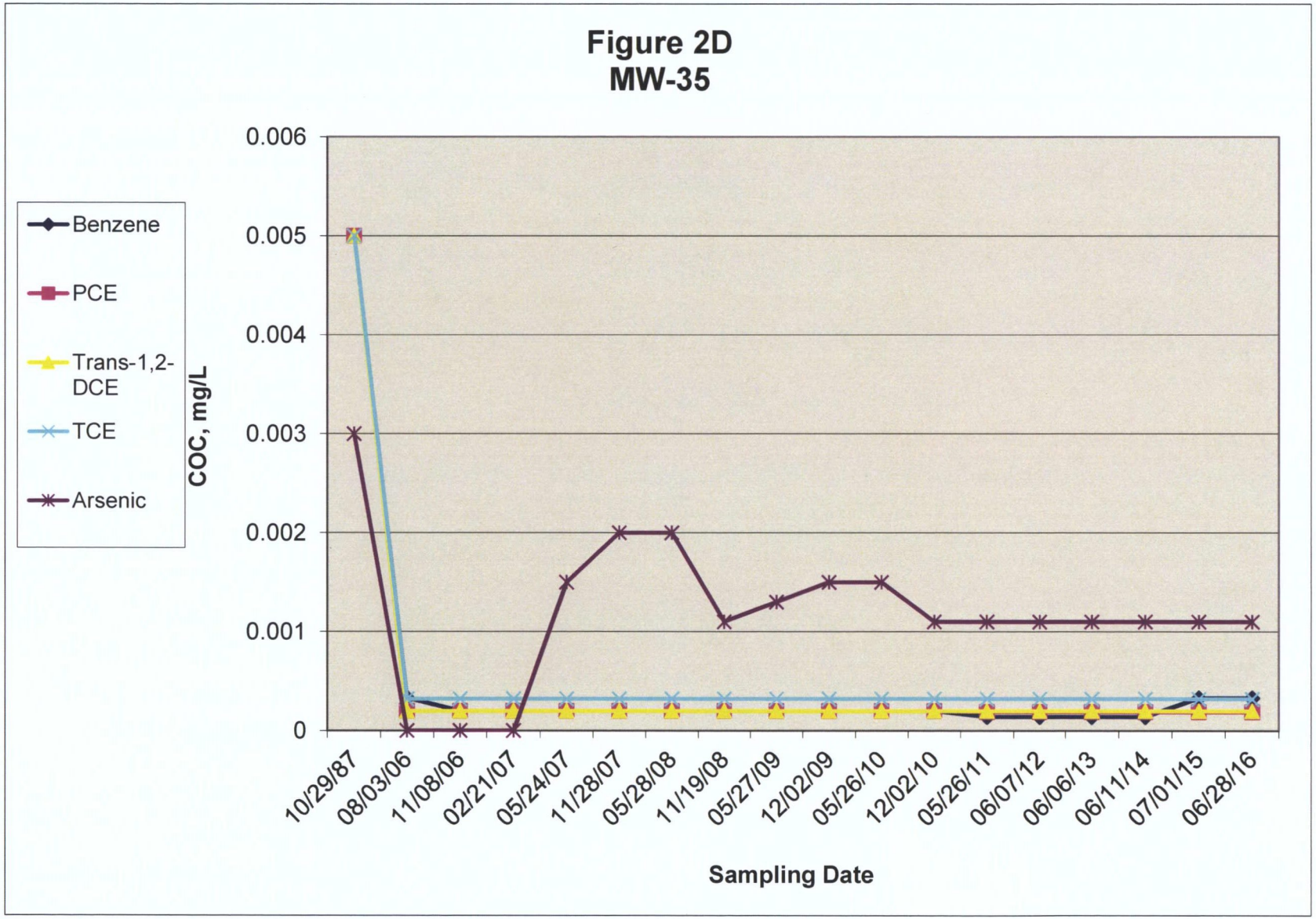
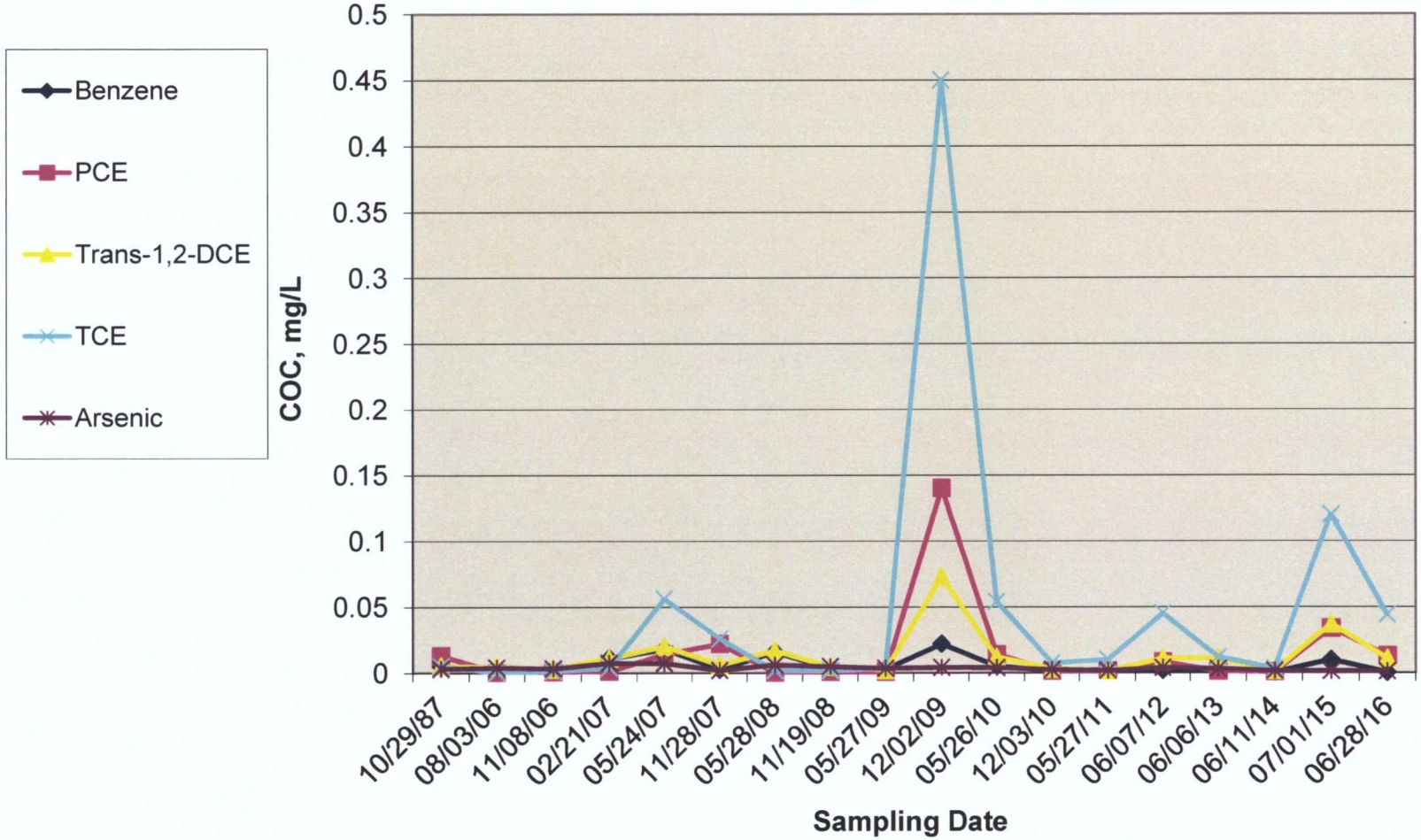


Figure 2D
MW-35
Benzene
PCE
Trans-1,2-DCE
TCE
Arsenic
COC, mg/L
0.006
0.005
0.004
0.003
0.002
0.001
0
10/29/87
08/03/06
11/08/06
02/21/07
05/24/07
11/28/07
05/28/08
11/19/08
05/27/09
12/02/09
05/26/10
12/02/10
05/26/11
06/07/12
06/06/13
06/11/14
07/01/15
06/28/16
Sampling Date

Figure 2E
MW-37



APPENDIX A

Appendix A

ENTACT®
environmental services

APPENDIX A

LABORATORY ANALYTICAL REPORT

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Corpus Christi
1733 N. Padre Island Drive
Corpus Christi, TX 78408
Tel: (361)289-2673

TestAmerica Job ID: 560-62406-1
Client Project/Site: E8077-Sheridan Superfund Site

For:
ENTACT, LLC
3129 Bass Pro Drive
Grapevine, Texas 76051

Attn: Mrs. Jenny Self

Authorized for release by:
7/7/2016 9:22:30 AM
Heidi Becka, Project Management Assistant I
(361)289-2673
heidi.becka@testamericainc.com

Designee for

Nicole Boyken, Project Manager I
(361)800-5200
nicole.boyken@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.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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)

Case Narrative

Client: ENTACT, LLC
Project/Site: E8077-Sheridan Superfund Site

TestAmerica Job ID: 560-62406-1

Job ID: 560-62406-1

Laboratory: TestAmerica Corpus Christi

Narrative

Job Narrative
560-62406-1

Comments
No additional comments.

Receipt
The samples were received on 6/30/2016 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 1.0° C, 1.8° C and 2.1° C.

Receipt Exceptions
All samples were received with headspace in 6 of 6 vials. The laboratory proceeded with analysis.

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

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

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

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

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

Detection Summary

Client: ENTACT, LLC
Project/Site: E8077-Sheridan Superfund Site

TestAmerica Job ID: 560-62406-1

Client Sample ID: MW-39 — Lab Sample ID: 560-62406-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	16	J	20	5.0	ug/L	1		8270C	Total/NA
Diethyl phthalate	0.68	J	10	0.67	ug/L	1		8270C	Total/NA
Phenol	1.5	J	10	0.77	ug/L	1		8270C	Total/NA
Arsenic, Dissolved	3.3	J	5.0	1.1	ug/L	1		6020	Dissolved
Barium, Dissolved	340		5.0	0.81	ug/L	1		6020	Dissolved
Selenium, Dissolved	3.9	J	5.0	1.1	ug/L	1		6020	Dissolved
Zinc, Dissolved	9.8	J	25	3.6	ug/L	1		6020	Dissolved

Client Sample ID: MW-6 — Lab Sample ID: 560-62406-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	6.6	J	20	5.0	ug/L	1		8270C	Total/NA
Phenol	0.78	J	10	0.77	ug/L	1		8270C	Total/NA
Arsenic, Dissolved	1.2	J	5.0	1.1	ug/L	1		6020	Dissolved
Barium, Dissolved	450		5.0	0.81	ug/L	1		6020	Dissolved

Client Sample ID: MW-31 — Lab Sample ID: 560-62406-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	45		20	5.0	ug/L	1		8270C	Total/NA
Di-n-butyl phthalate	1.4	J	10	0.71	ug/L	1		8270C	Total/NA
Phenol	1.1	J	10	0.77	ug/L	1		8270C	Total/NA
Arsenic, Dissolved	1.7	J	5.0	1.1	ug/L	1		6020	Dissolved
Barium, Dissolved	260		5.0	0.81	ug/L	1		6020	Dissolved
Zinc, Dissolved	15	J	25	3.6	ug/L	1		6020	Dissolved

Client Sample ID: MW-34 — Lab Sample ID: 560-62406-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	19	J	20	5.0	ug/L	1		8270C	Total/NA
Barium, Dissolved	290		5.0	0.81	ug/L	1		6020	Dissolved
Chromium, Dissolved	1.4	J	5.0	1.4	ug/L	1		6020	Dissolved
Selenium, Dissolved	12		5.0	1.1	ug/L	1		6020	Dissolved
Zinc, Dissolved	17	J	25	3.6	ug/L	1		6020	Dissolved

Client Sample ID: DUP — Lab Sample ID: 560-62406-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	1.5	J	10	0.71	ug/L	1		8270C	Total/NA
Barium, Dissolved	300		5.0	0.81	ug/L	1		6020	Dissolved
Selenium, Dissolved	14		5.0	1.1	ug/L	1		6020	Dissolved
Zinc, Dissolved	18	J	25	3.6	ug/L	1		6020	Dissolved

Client Sample ID: MW-35 — Lab Sample ID: 560-62406-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	7.5	J	10	5.0	ug/L	1		8260B	Total/NA
Barium, Dissolved	87		5.0	0.81	ug/L	1		6020	Dissolved

Client Sample ID: MW-37 — Lab Sample ID: 560-62406-7

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: ENTACT, LLC
Project/Site: E8077-Sheridan Superfund Site

TestAmerica Job ID: 560-62406-1

Client Sample ID: MW-37 (Continued) — Lab Sample ID: 560-62406-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	13		1.0	0.19	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	11		1.0	0.20	ug/L	1		8260B	Total/NA
Trichloroethene	44		1.0	0.32	ug/L	1		8260B	Total/NA
Vinyl chloride	3.0		1.0	0.30	ug/L	1		8260B	Total/NA
Arsenic, Dissolved	1.2	J	5.0	1.1	ug/L	1		6020	Dissolved
Barium, Dissolved	500		5.0	0.81	ug/L	1		6020	Dissolved
Selenium, Dissolved	22		5.0	1.1	ug/L	1		6020	Dissolved
Zinc, Dissolved	27		25	3.6	ug/L	1		6020	Dissolved

Client Sample ID: TRIP BLANK — Lab Sample ID: 560-62406-8

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: ENTACT, LLC
Project/Site: E8077-Sheridan Superfund Site

TestAmerica Job ID: 560-62406-1

Client Sample ID: MW-39
Date Collected: 06/28/16 11:21
Date Received: 06/30/16 10:00

Lab Sample ID: 560-62406-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.0	U	10	5.0	ug/L			06/30/16 15:28	1
Benzene	0.33	U	1.0	0.33	ug/L			06/30/16 15:28	1
Bromodichloromethane	0.18	U	1.0	0.18	ug/L			06/30/16 15:28	1
Bromoform	0.50	U	5.0	0.50	ug/L			06/30/16 15:28	1
Bromomethane	0.39	U	5.0	0.39	ug/L			06/30/16 15:28	1
2-Butanone (MEK)	1.0	U	10	1.0	ug/L			06/30/16 15:28	1
Carbon disulfide	0.50	U	5.0	0.50	ug/L			06/30/16 15:28	1
Carbon tetrachloride	0.25	U	1.0	0.25	ug/L			06/30/16 15:28	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/30/16 15:28	1
Chlorodibromomethane	0.22	U	2.0	0.22	ug/L			06/30/16 15:28	1
Chloroethane	0.40	U	5.0	0.40	ug/L			06/30/16 15:28	1
Chloroform	0.17	U	1.0	0.17	ug/L			06/30/16 15:28	1
Chloromethane	0.39	U F1	5.0	0.39	ug/L			06/30/16 15:28	1
cis-1,3-Dichloropropene	0.15	U	1.0	0.15	ug/L			06/30/16 15:28	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/30/16 15:28	1
1,1-Dichloroethene	0.30	U	1.0	0.30	ug/L			06/30/16 15:28	1
1,2-Dichloropropane	0.17	U	1.0	0.17	ug/L			06/30/16 15:28	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			06/30/16 15:28	1
2-Hexanone	0.50	U F1	5.0	0.50	ug/L			06/30/16 15:28	1
Methylene Chloride	2.0	U	10	2.0	ug/L			06/30/16 15:28	1
4-Methyl-2-pentanone (MIBK)	0.51	U	5.0	0.51	ug/L			06/30/16 15:28	1
Styrene	0.20	U	1.0	0.20	ug/L			06/30/16 15:28	1
1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19	ug/L			06/30/16 15:28	1
Tetrachloroethene	0.19	U	1.0	0.19	ug/L			06/30/16 15:28	1
Toluene	0.50	U	1.0	0.50	ug/L			06/30/16 15:28	1
trans-1,2-Dichloroethene	0.20	U	1.0	0.20	ug/L			06/30/16 15:28	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			06/30/16 15:28	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			06/30/16 15:28	1
1,1,2-Trichloroethane	0.17	U	1.0	0.17	ug/L			06/30/16 15:28	1
Trichloroethene	0.32	U	1.0	0.32	ug/L			06/30/16 15:28	1
Vinyl acetate	0.50	U	5.0	0.50	ug/L			06/30/16 15:28	1
Vinyl chloride	0.30	U	1.0	0.30	ug/L			06/30/16 15:28	1
Xylenes, Total	0.20	U	2.0	0.20	ug/L			06/30/16 15:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*		*06/30/16 15:28*	*1*
Dibromofluoromethane (Surr)	*103*		*69 - 130*		*06/30/16 15:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 140*		*06/30/16 15:28*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*06/30/16 15:28*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.46	U	10	0.46	ug/L		07/05/16 13:37	07/06/16 11:01	1
Acenaphthylene	0.45	U	10	0.45	ug/L		07/05/16 13:37	07/06/16 11:01	1
Anthracene	0.70	U	10	0.70	ug/L		07/05/16 13:37	07/06/16 11:01	1
Benzo[a]anthracene	0.65	U	10	0.65	ug/L		07/05/16 13:37	07/06/16 11:01	1
Benzo[b]fluoranthene	0.91	U	10	0.91	ug/L		07/05/16 13:37	07/06/16 11:01	1
Benzo[k]fluoranthene	1.5	U	10	1.5	ug/L		07/05/16 13:37	07/06/16 11:01	1
Benzo[g,h,i]perylene	1.1	U	10	1.1	ug/L		07/05/16 13:37	07/06/16 11:01	1
Benzo[a]pyrene	0.74	U	10	0.74	ug/L		07/05/16 13:37	07/06/16 11:01	1

Client Sample Results

Client: ENTACT, LLC
Project/Site: E8077-Sheridan Superfund Site

TestAmerica Job ID: 560-62406-1

Client Sample ID: MW-39
Date Collected: 06/28/16 11:21
Date Received: 06/30/16 10:00

Lab Sample ID: 560-62406-1
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl alcohol	0.83	U	10	0.83	ug/L		07/05/16 13:37	07/06/16 11:01	1
Butyl benzyl phthalate	0.82	U	10	0.82	ug/L		07/05/16 13:37	07/06/16 11:01	1
Bis(2-chloroethoxy)methane	0.44	U	10	0.44	ug/L		07/05/16 13:37	07/06/16 11:01	1
Bis(2-chloroethyl)ether	1.6	U	10	1.6	ug/L		07/05/16 13:37	07/06/16 11:01	1
Bis(2-ethylhexyl) phthalate	**16**	**J**	20	5.0	ug/L		07/05/16 13:37	07/06/16 11:01	1
4-Bromophenyl phenyl ether	0.81	U	10	0.81	ug/L		07/05/16 13:37	07/06/16 11:01	1
p-Chloroaniline	0.55	U	10	0.55	ug/L		07/05/16 13:37	07/06/16 11:01	1
2-Chloronaphthalene	0.60	U	10	0.60	ug/L		07/05/16 13:37	07/06/16 11:01	1
4-Chlorophenyl phenyl ether	0.53	U	10	0.53	ug/L		07/05/16 13:37	07/06/16 11:01	1
Chrysene	0.49	U	10	0.49	ug/L		07/05/16 13:37	07/06/16 11:01	1
Dibenz(a,h)anthracene	0.87	U	10	0.87	ug/L		07/05/16 13:37	07/06/16 11:01	1
1,2-Dichlorobenzene	0.78	U	10	0.78	ug/L		07/05/16 13:37	07/06/16 11:01	1
1,3-Dichlorobenzene	0.49	U	10	0.49	ug/L		07/05/16 13:37	07/06/16 11:01	1
1,4-Dichlorobenzene	0.82	U	10	0.82	ug/L		07/05/16 13:37	07/06/16 11:01	1
3,3'-Dichlorobenzidine	0.79	U	10	0.79	ug/L		07/05/16 13:37	07/06/16 11:01	1
Diethyl phthalate	**0.68**	**J**	10	0.67	ug/L		07/05/16 13:37	07/06/16 11:01	1
Dimethyl phthalate	0.59	U	10	0.59	ug/L		07/05/16 13:37	07/06/16 11:01	1
Di-n-butyl phthalate	0.71	U	10	0.71	ug/L		07/05/16 13:37	07/06/16 11:01	1
Di-n-octyl phthalate	1.1	U	10	1.1	ug/L		07/05/16 13:37	07/06/16 11:01	1
2,4-Dinitrotoluene	0.51	U	20	0.51	ug/L		07/05/16 13:37	07/06/16 11:01	1
2,6-Dinitrotoluene	0.76	U	10	0.76	ug/L		07/05/16 13:37	07/06/16 11:01	1
Fluoranthene	0.50	U	10	0.50	ug/L		07/05/16 13:37	07/06/16 11:01	1
Fluorene	0.42	U	10	0.42	ug/L		07/05/16 13:37	07/06/16 11:01	1
Hexachlorobenzene	0.60	U	10	0.60	ug/L		07/05/16 13:37	07/06/16 11:01	1
Hexachlorobutadiene	0.72	U	10	0.72	ug/L		07/05/16 13:37	07/06/16 11:01	1
Hexachlorocyclopentadiene	0.84	U	10	0.84	ug/L		07/05/16 13:37	07/06/16 11:01	1
Hexachloroethane	0.59	U	10	0.59	ug/L		07/05/16 13:37	07/06/16 11:01	1
Indeno[1,2,3-cd]pyrene	0.92	U	10	0.92	ug/L		07/05/16 13:37	07/06/16 11:01	1
2-Methylnaphthalene	0.70	U	10	0.70	ug/L		07/05/16 13:37	07/06/16 11:01	1
2-Nitroaniline	0.77	U	10	0.77	ug/L		07/05/16 13:37	07/06/16 11:01	1
3-Nitroaniline	0.51	U	10	0.51	ug/L		07/05/16 13:37	07/06/16 11:01	1
4-Nitroaniline	0.82	U	10	0.82	ug/L		07/05/16 13:37	07/06/16 11:01	1
Naphthalene	0.79	U	10	0.79	ug/L		07/05/16 13:37	07/06/16 11:01	1
Nitrobenzene	0.59	U	10	0.59	ug/L		07/05/16 13:37	07/06/16 11:01	1
N-Nitrosodimethylamine	1.4	U	10	1.4	ug/L		07/05/16 13:37	07/06/16 11:01	1
N-Nitrosodi-n-propylamine	0.62	U	10	0.62	ug/L		07/05/16 13:37	07/06/16 11:01	1
N-Nitrosodiphenylamine	1.0	U	10	1.0	ug/L		07/05/16 13:37	07/06/16 11:01	1
Phenanthrene	0.59	U	10	0.59	ug/L		07/05/16 13:37	07/06/16 11:01	1
Pyrene	0.44	U	10	0.44	ug/L		07/05/16 13:37	07/06/16 11:01	1
1,2,4-Trichlorobenzene	0.65	U	10	0.65	ug/L		07/05/16 13:37	07/06/16 11:01	1
Benzoic acid	0.83	U	50	0.83	ug/L		07/05/16 13:37	07/06/16 11:01	1
p-Chloro-m-cresol	0.59	U	10	0.59	ug/L		07/05/16 13:37	07/06/16 11:01	1
2-Chlorophenol	0.73	U	10	0.73	ug/L		07/05/16 13:37	07/06/16 11:01	1
2,4-Dichlorophenol	0.70	U	10	0.70	ug/L		07/05/16 13:37	07/06/16 11:01	1
2,4-Dimethylphenol	0.59	U	10	0.59	ug/L		07/05/16 13:37	07/06/16 11:01	1
2,4-Dinitrophenol	2.7	U	20	2.7	ug/L		07/05/16 13:37	07/06/16 11:01	1
4,6-Dinitro-2-methylphenol	0.96	U	10	0.96	ug/L		07/05/16 13:37	07/06/16 11:01	1
m & p - Cresol	0.76	U	20	0.76	ug/L		07/05/16 13:37	07/06/16 11:01	1
2-Nitrophenol	0.81	U	10	0.81	ug/L		07/05/16 13:37	07/06/16 11:01	1

Client Sample Results

Client: ENTACT, LLC
Project/Site: E8077-Sheridan Superfund Site

TestAmerica Job ID: 560-62406-1

Client Sample ID: MW-39
Date Collected: 06/28/16 11:21
Date Received: 06/30/16 10:00

Lab Sample ID: 560-62406-1
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	1.7	U	10	1.7	ug/L		07/05/16 13:37	07/06/16 11:01	1
Pentachlorophenol	1.3	U	20	1.3	ug/L		07/05/16 13:37	07/06/16 11:01	1
Phenol	**1.5**	**J**	10	0.77	ug/L		07/05/16 13:37	07/06/16 11:01	1
2,4,6-Trichlorophenol	0.66	U	10	0.66	ug/L		07/05/16 13:37	07/06/16 11:01	1
2,4,5-Trichlorophenol	0.86	U	10	0.86	ug/L		07/05/16 13:37	07/06/16 11:01	1
bis (2-chloroisopropyl) ether	0.50	U	10	0.50	ug/L		07/05/16 13:37	07/06/16 11:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*69*		*27 - 130*	*07/05/16 13:37*	*07/06/16 11:01*	*1*
2-Fluorobiphenyl	*71*		*23 - 130*	*07/05/16 13:37*	*07/06/16 11:01*	*1*
Terphenyl-d14	*33*		*10 - 141*	*07/05/16 13:37*	*07/06/16 11:01*	*1*
Phenol-d5	*67*		*10 - 130*	*07/05/16 13:37*	*07/06/16 11:01*	*1*
2-Fluorophenol	*67*		*10 - 130*	*07/05/16 13:37*	*07/06/16 11:01*	*1*
2,4,6-Tribromophenol	*81*		*18 - 130*	*07/05/16 13:37*	*07/06/16 11:01*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0047	U	0.057	0.0047	ug/L		07/01/16 08:52	07/05/16 14:11	1
4,4'-DDE	0.0047	U	0.057	0.0047	ug/L		07/01/16 08:52	07/05/16 14:11	1
4,4'-DDT	0.0077	U	0.057	0.0077	ug/L		07/01/16 08:52	07/05/16 14:11	1
Aldrin	0.0047	U	0.057	0.0047	ug/L		07/01/16 08:52	07/05/16 14:11	1
alpha-BHC	0.0049	U	0.057	0.0049	ug/L		07/01/16 08:52	07/05/16 14:11	1
beta-BHC	0.0047	U	0.057	0.0047	ug/L		07/01/16 08:52	07/05/16 14:11	1
Chlordane (technical)	0.14	U	0.57	0.14	ug/L		07/01/16 08:52	07/05/16 14:11	1
delta-BHC	0.0047	U	0.057	0.0047	ug/L		07/01/16 08:52	07/05/16 14:11	1
Dieldrin	0.012	U	0.057	0.012	ug/L		07/01/16 08:52	07/05/16 14:11	1
Endosulfan I	0.0047	U	0.057	0.0047	ug/L		07/01/16 08:52	07/05/16 14:11	1
Endosulfan II	0.0081	U	0.057	0.0081	ug/L		07/01/16 08:52	07/05/16 14:11	1
Endosulfan sulfate	0.0083	U	0.057	0.0083	ug/L		07/01/16 08:52	07/05/16 14:11	1
Endrin	0.0073	U	0.057	0.0073	ug/L		07/01/16 08:52	07/05/16 14:11	1
Endrin aldehyde	0.0047	U	0.057	0.0047	ug/L		07/01/16 08:52	07/05/16 14:11	1
gamma-BHC (Lindane)	0.0043	U	0.057	0.0043	ug/L		07/01/16 08:52	07/05/16 14:11	1
Heptachlor	0.0061	U	0.057	0.0061	ug/L		07/01/16 08:52	07/05/16 14:11	1
Heptachlor epoxide	0.0049	U	0.057	0.0049	ug/L		07/01/16 08:52	07/05/16 14:11	1
Methoxychlor	0.0095	U	0.057	0.0095	ug/L		07/01/16 08:52	07/05/16 14:11	1
Toxaphene	0.64	U	5.7	0.64	ug/L		07/01/16 08:52	07/05/16 14:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*55*		*10 - 152*	*07/01/16 08:52*	*07/05/16 14:11*	*1*
Tetrachloro-m-xylene	*80*		*57 - 127*	*07/01/16 08:52*	*07/05/16 14:11*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.10	U	0.57	0.10	ug/L		07/01/16 08:52	07/05/16 12:02	1
PCB-1221	0.10	U	0.57	0.10	ug/L		07/01/16 08:52	07/05/16 12:02	1
PCB-1232	0.42	U	0.76	0.42	ug/L		07/01/16 08:52	07/05/16 12:02	1
PCB-1242	0.10	U	0.57	0.10	ug/L		07/01/16 08:52	07/05/16 12:02	1
PCB-1248	0.10	U	0.57	0.10	ug/L		07/01/16 08:52	07/05/16 12:02	1
PCB-1254	0.10	U	0.57	0.10	ug/L		07/01/16 08:52	07/05/16 12:02	1
PCB-1260	0.10	U	0.57	0.10	ug/L		07/01/16 08:52	07/05/16 12:02	1

Client Sample ID: MW-39

Lab Sample ID: 560-62406-1

Date Collected: 06/28/16 11:21
Date Received: 06/30/16 10:00

Matrix: Water

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	0.10	U	0.57	0.10	ug/L		07/01/16 08:52	07/05/16 12:02	1
PCB-1268	0.10	U	0.57	0.10	ug/L		07/01/16 08:52	07/05/16 12:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*96*		*10 - 150*	*07/01/16 08:52*	*07/05/16 12:02*	*1*
Decachlorobiphenyl	*85*		*10 - 150*	*07/01/16 08:52*	*07/05/16 12:02*	*1*

Method: 6020 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**3.3**	**J**	5.0	1.1	ug/L		07/01/16 08:29	07/01/16 14:32	1
Barium, Dissolved	**340**		5.0	0.81	ug/L		07/01/16 08:29	07/01/16 14:32	1
Cadmium, Dissolved	0.85	U	2.0	0.85	ug/L		07/01/16 08:29	07/01/16 14:32	1
Chromium, Dissolved	1.4	U	5.0	1.4	ug/L		07/01/16 08:29	07/01/16 14:32	1
Lead, Dissolved	0.73	U	5.0	0.73	ug/L		07/01/16 08:29	07/01/16 14:32	1
Nickel, Dissolved	2.2	U	5.0	2.2	ug/L		07/01/16 08:29	07/01/16 14:32	1
Selenium, Dissolved	**3.9**	**J**	5.0	1.1	ug/L		07/01/16 08:29	07/01/16 14:32	1
Silver, Dissolved	0.94	U	5.0	0.94	ug/L		07/01/16 08:29	07/01/16 14:32	1
Zinc, Dissolved	**9.8**	**J**	25	3.6	ug/L		07/01/16 08:29	07/01/16 14:32	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.00013	U	0.0020	0.00013	mg/L		07/01/16 14:48	07/01/16 15:14	1

Client Sample ID: MW-6

Lab Sample ID: 560-62406-2

Date Collected: 06/28/16 12:44
Date Received: 06/30/16 10:00

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.0	U	10	5.0	ug/L			06/30/16 16:18	1
Benzene	0.33	U	1.0	0.33	ug/L			06/30/16 16:18	1
Bromodichloromethane	0.18	U	1.0	0.18	ug/L			06/30/16 16:18	1
Bromoform	0.50	U	5.0	0.50	ug/L			06/30/16 16:18	1
Bromomethane	0.39	U	5.0	0.39	ug/L			06/30/16 16:18	1
2-Butanone (MEK)	1.0	U	10	1.0	ug/L			06/30/16 16:18	1
Carbon disulfide	0.50	U	5.0	0.50	ug/L			06/30/16 16:18	1
Carbon tetrachloride	0.25	U	1.0	0.25	ug/L			06/30/16 16:18	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/30/16 16:18	1
Chlorodibromomethane	0.22	U	2.0	0.22	ug/L			06/30/16 16:18	1
Chloroethane	0.40	U	5.0	0.40	ug/L			06/30/16 16:18	1
Chloroform	0.17	U	1.0	0.17	ug/L			06/30/16 16:18	1
Chloromethane	0.39	U	5.0	0.39	ug/L			06/30/16 16:18	1
cis-1,3-Dichloropropene	0.15	U	1.0	0.15	ug/L			06/30/16 16:18	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/30/16 16:18	1
1,1-Dichloroethene	0.30	U	1.0	0.30	ug/L			06/30/16 16:18	1
1,2-Dichloropropane	0.17	U	1.0	0.17	ug/L			06/30/16 16:18	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			06/30/16 16:18	1
2-Hexanone	0.50	U	5.0	0.50	ug/L			06/30/16 16:18	1
Methylene Chloride	2.0	U	10	2.0	ug/L			06/30/16 16:18	1
4-Methyl-2-pentanone (MIBK)	0.51	U	5.0	0.51	ug/L			06/30/16 16:18	1

Client Sample ID: MW-6
Date Collected: 06/28/16 12:44
Date Received: 06/30/16 10:00

Lab Sample ID: 560-62406-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.20	U	1.0	0.20	ug/L			06/30/16 16:18	1
1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19	ug/L			06/30/16 16:18	1
Tetrachloroethene	0.19	U	1.0	0.19	ug/L			06/30/16 16:18	1
Toluene	0.50	U	1.0	0.50	ug/L			06/30/16 16:18	1
trans-1,2-Dichloroethene	0.20	U	1.0	0.20	ug/L			06/30/16 16:18	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			06/30/16 16:18	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			06/30/16 16:18	1
1,1,2-Trichloroethane	0.17	U	1.0	0.17	ug/L			06/30/16 16:18	1
Trichloroethene	0.32	U	1.0	0.32	ug/L			06/30/16 16:18	1
Vinyl acetate	0.50	U	5.0	0.50	ug/L			06/30/16 16:18	1
Vinyl chloride	0.30	U	1.0	0.30	ug/L			06/30/16 16:18	1
Xylenes, Total	0.20	U	2.0	0.20	ug/L			06/30/16 16:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*		*06/30/16 16:18*	*1*
Dibromofluoromethane (Surr)	*102*		*69 - 130*		*06/30/16 16:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 140*		*06/30/16 16:18*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*06/30/16 16:18*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.46	U	10	0.46	ug/L		07/05/16 13:37	07/06/16 11:27	1
Acenaphthylene	0.45	U	10	0.45	ug/L		07/05/16 13:37	07/06/16 11:27	1
Anthracene	0.70	U	10	0.70	ug/L		07/05/16 13:37	07/06/16 11:27	1
Benzo[a]anthracene	0.65	U	10	0.65	ug/L		07/05/16 13:37	07/06/16 11:27	1
Benzo[b]fluoranthene	0.91	U	10	0.91	ug/L		07/05/16 13:37	07/06/16 11:27	1
Benzo[k]fluoranthene	1.5	U	10	1.5	ug/L		07/05/16 13:37	07/06/16 11:27	1
Benzo[g,h,i]perylene	1.1	U	10	1.1	ug/L		07/05/16 13:37	07/06/16 11:27	1
Benzo[a]pyrene	0.74	U	10	0.74	ug/L		07/05/16 13:37	07/06/16 11:27	1
Benzyl alcohol	0.83	U	10	0.83	ug/L		07/05/16 13:37	07/06/16 11:27	1
Butyl benzyl phthalate	0.82	U	10	0.82	ug/L		07/05/16 13:37	07/06/16 11:27	1
Bis(2-chloroethoxy)methane	0.44	U	10	0.44	ug/L		07/05/16 13:37	07/06/16 11:27	1
Bis(2-chloroethyl)ether	1.6	U	10	1.6	ug/L		07/05/16 13:37	07/06/16 11:27	1
Bis(2-ethylhexyl) phthalate	**6.6**	**J**	20	5.0	ug/L		07/05/16 13:37	07/06/16 11:27	1
4-Bromophenyl phenyl ether	0.81	U	10	0.81	ug/L		07/05/16 13:37	07/06/16 11:27	1
p-Chloroaniline	0.55	U	10	0.55	ug/L		07/05/16 13:37	07/06/16 11:27	1
2-Chloronaphthalene	0.60	U	10	0.60	ug/L		07/05/16 13:37	07/06/16 11:27	1
4-Chlorophenyl phenyl ether	0.53	U	10	0.53	ug/L		07/05/16 13:37	07/06/16 11:27	1
Chrysene	0.49	U	10	0.49	ug/L		07/05/16 13:37	07/06/16 11:27	1
Dibenz(a,h)anthracene	0.87	U	10	0.87	ug/L		07/05/16 13:37	07/06/16 11:27	1
1,2-Dichlorobenzene	0.78	U	10	0.78	ug/L		07/05/16 13:37	07/06/16 11:27	1
1,3-Dichlorobenzene	0.49	U	10	0.49	ug/L		07/05/16 13:37	07/06/16 11:27	1
1,4-Dichlorobenzene	0.82	U	10	0.82	ug/L		07/05/16 13:37	07/06/16 11:27	1
3,3'-Dichlorobenzidine	0.79	U	10	0.79	ug/L		07/05/16 13:37	07/06/16 11:27	1
Diethyl phthalate	0.67	U	10	0.67	ug/L		07/05/16 13:37	07/06/16 11:27	1
Dimethyl phthalate	0.59	U	10	0.59	ug/L		07/05/16 13:37	07/06/16 11:27	1
Di-n-butyl phthalate	0.71	U	10	0.71	ug/L		07/05/16 13:37	07/06/16 11:27	1
Di-n-octyl phthalate	1.1	U	10	1.1	ug/L		07/05/16 13:37	07/06/16 11:27	1
2,4-Dinitrotoluene	0.51	U	20	0.51	ug/L		07/05/16 13:37	07/06/16 11:27	1
2,6-Dinitrotoluene	0.76	U	10	0.76	ug/L		07/05/16 13:37	07/06/16 11:27	1

Client Sample ID: MW-6
Date Collected: 06/28/16 12:44
Date Received: 06/30/16 10:00

Lab Sample ID: 560-62406-2
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	0.50	U	10	0.50	ug/L		07/05/16 13:37	07/06/16 11:27	1
Fluorene	0.42	U	10	0.42	ug/L		07/05/16 13:37	07/06/16 11:27	1
Hexachlorobenzene	0.60	U	10	0.60	ug/L		07/05/16 13:37	07/06/16 11:27	1
Hexachlorobutadiene	0.72	U	10	0.72	ug/L		07/05/16 13:37	07/06/16 11:27	1
Hexachlorocyclopentadiene	0.84	U	10	0.84	ug/L		07/05/16 13:37	07/06/16 11:27	1
Hexachloroethane	0.59	U	10	0.59	ug/L		07/05/16 13:37	07/06/16 11:27	1
Indeno[1,2,3-cd]pyrene	0.92	U	10	0.92	ug/L		07/05/16 13:37	07/06/16 11:27	1
2-Methylnaphthalene	0.70	U	10	0.70	ug/L		07/05/16 13:37	07/06/16 11:27	1
2-Nitroaniline	0.77	U	10	0.77	ug/L		07/05/16 13:37	07/06/16 11:27	1
3-Nitroaniline	0.51	U	10	0.51	ug/L		07/05/16 13:37	07/06/16 11:27	1
4-Nitroaniline	0.82	U	10	0.82	ug/L		07/05/16 13:37	07/06/16 11:27	1
Naphthalene	0.79	U	10	0.79	ug/L		07/05/16 13:37	07/06/16 11:27	1
Nitrobenzene	0.59	U	10	0.59	ug/L		07/05/16 13:37	07/06/16 11:27	1
N-Nitrosodimethylamine	1.4	U	10	1.4	ug/L		07/05/16 13:37	07/06/16 11:27	1
N-Nitrosodi-n-propylamine	0.62	U	10	0.62	ug/L		07/05/16 13:37	07/06/16 11:27	1
N-Nitrosodiphenylamine	1.0	U	10	1.0	ug/L		07/05/16 13:37	07/06/16 11:27	1
Phenanthrene	0.59	U	10	0.59	ug/L		07/05/16 13:37	07/06/16 11:27	1
Pyrene	0.44	U	10	0.44	ug/L		07/05/16 13:37	07/06/16 11:27	1
1,2,4-Trichlorobenzene	0.65	U	10	0.65	ug/L		07/05/16 13:37	07/06/16 11:27	1
Benzoic acid	0.83	U	50	0.83	ug/L		07/05/16 13:37	07/06/16 11:27	1
p-Chloro-m-cresol	0.59	U	10	0.59	ug/L		07/05/16 13:37	07/06/16 11:27	1
2-Chlorophenol	0.73	U	10	0.73	ug/L		07/05/16 13:37	07/06/16 11:27	1
2,4-Dichlorophenol	0.70	U	10	0.70	ug/L		07/05/16 13:37	07/06/16 11:27	1
2,4-Dimethylphenol	0.59	U	10	0.59	ug/L		07/05/16 13:37	07/06/16 11:27	1
2,4-Dinitrophenol	2.7	U	20	2.7	ug/L		07/05/16 13:37	07/06/16 11:27	1
4,6-Dinitro-2-methylphenol	0.96	U	10	0.96	ug/L		07/05/16 13:37	07/06/16 11:27	1
m & p - Cresol	0.76	U	20	0.76	ug/L		07/05/16 13:37	07/06/16 11:27	1
2-Nitrophenol	0.81	U	10	0.81	ug/L		07/05/16 13:37	07/06/16 11:27	1
4-Nitrophenol	1.7	U	10	1.7	ug/L		07/05/16 13:37	07/06/16 11:27	1
Pentachlorophenol	1.3	U	20	1.3	ug/L		07/05/16 13:37	07/06/16 11:27	1
Phenol	**0.78**	**J**	10	0.77	ug/L		07/05/16 13:37	07/06/16 11:27	1
2,4,6-Trichlorophenol	0.66	U	10	0.66	ug/L		07/05/16 13:37	07/06/16 11:27	1
2,4,5-Trichlorophenol	0.86	U	10	0.86	ug/L		07/05/16 13:37	07/06/16 11:27	1
bis (2-chloroisopropyl) ether	0.50	U	10	0.50	ug/L		07/05/16 13:37	07/06/16 11:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*67*		*27 - 130*	*07/05/16 13:37*	*07/06/16 11:27*	*1*
2-Fluorobiphenyl	*65*		*23 - 130*	*07/05/16 13:37*	*07/06/16 11:27*	*1*
Terphenyl-d14	*60*		*10 - 141*	*07/05/16 13:37*	*07/06/16 11:27*	*1*
Phenol-d5	*70*		*10 - 130*	*07/05/16 13:37*	*07/06/16 11:27*	*1*
2-Fluorophenol	*68*		*10 - 130*	*07/05/16 13:37*	*07/06/16 11:27*	*1*
2,4,6-Tribromophenol	*78*		*18 - 130*	*07/05/16 13:37*	*07/06/16 11:27*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0047	U	0.056	0.0047	ug/L		07/01/16 08:52	07/05/16 15:53	1
4,4'-DDE	0.0047	U	0.056	0.0047	ug/L		07/01/16 08:52	07/05/16 15:53	1
4,4'-DDT	0.0076	U	0.056	0.0076	ug/L		07/01/16 08:52	07/05/16 15:53	1
Aldrin	0.0047	U	0.056	0.0047	ug/L		07/01/16 08:52	07/05/16 15:53	1
alpha-BHC	0.0049	U	0.056	0.0049	ug/L		07/01/16 08:52	07/05/16 15:53	1

Client Sample Results

Client: ENTACT, LLC
Project/Site: E8077-Sheridan Superfund Site

TestAmerica Job ID: 560-62406-1

Client Sample ID: MW-6
Date Collected: 06/28/16 12:44
Date Received: 06/30/16 10:00

Lab Sample ID: 560-62406-2
Matrix: Water

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	0.0047	U	0.056	0.0047	ug/L		07/01/16 08:52	07/05/16 15:53	1
Chlordane (technical)	0.14	U	0.56	0.14	ug/L		07/01/16 08:52	07/05/16 15:53	1
delta-BHC	0.0047	U	0.056	0.0047	ug/L		07/01/16 08:52	07/05/16 15:53	1
Dieldrin	0.012	U	0.056	0.012	ug/L		07/01/16 08:52	07/05/16 15:53	1
Endosulfan I	0.0047	U	0.056	0.0047	ug/L		07/01/16 08:52	07/05/16 15:53	1
Endosulfan II	0.0080	U	0.056	0.0080	ug/L		07/01/16 08:52	07/05/16 15:53	1
Endosulfan sulfate	0.0082	U	0.056	0.0082	ug/L		07/01/16 08:52	07/05/16 15:53	1
Endrin	0.0072	U	0.056	0.0072	ug/L		07/01/16 08:52	07/05/16 15:53	1
Endrin aldehyde	0.0047	U	0.056	0.0047	ug/L		07/01/16 08:52	07/05/16 15:53	1
gamma-BHC (Lindane)	0.0042	U	0.056	0.0042	ug/L		07/01/16 08:52	07/05/16 15:53	1
Heptachlor	0.0061	U	0.056	0.0061	ug/L		07/01/16 08:52	07/05/16 15:53	1
Heptachlor epoxide	0.0049	U	0.056	0.0049	ug/L		07/01/16 08:52	07/05/16 15:53	1
Methoxychlor	0.0094	U	0.056	0.0094	ug/L		07/01/16 08:52	07/05/16 15:53	1
Toxaphene	0.64	U	5.6	0.64	ug/L		07/01/16 08:52	07/05/16 15:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*59*		*10 - 152*	*07/01/16 08:52*	*07/05/16 15:53*	*1*
Tetrachloro-m-xylene	*81*		*57 - 127*	*07/01/16 08:52*	*07/05/16 15:53*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.10	U	0.56	0.10	ug/L		07/01/16 08:52	07/05/16 12:54	1
PCB-1221	0.10	U	0.56	0.10	ug/L		07/01/16 08:52	07/05/16 12:54	1
PCB-1232	0.41	U	0.75	0.41	ug/L		07/01/16 08:52	07/05/16 12:54	1
PCB-1242	0.10	U	0.56	0.10	ug/L		07/01/16 08:52	07/05/16 12:54	1
PCB-1248	0.10	U	0.56	0.10	ug/L		07/01/16 08:52	07/05/16 12:54	1
PCB-1254	0.10	U	0.56	0.10	ug/L		07/01/16 08:52	07/05/16 12:54	1
PCB-1260	0.10	U	0.56	0.10	ug/L		07/01/16 08:52	07/05/16 12:54	1
PCB-1262	0.10	U	0.56	0.10	ug/L		07/01/16 08:52	07/05/16 12:54	1
PCB-1268	0.10	U	0.56	0.10	ug/L		07/01/16 08:52	07/05/16 12:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*92*		*10 - 150*	*07/01/16 08:52*	*07/05/16 12:54*	*1*
Decachlorobiphenyl	*84*		*10 - 150*	*07/01/16 08:52*	*07/05/16 12:54*	*1*

Method: 6020 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**1.2**	**J**	5.0	1.1	ug/L		07/01/16 08:29	07/01/16 15:05	1
Barium, Dissolved	**450**		5.0	0.81	ug/L		07/01/16 08:29	07/01/16 15:05	1
Cadmium, Dissolved	0.85	U	2.0	0.85	ug/L		07/01/16 08:29	07/01/16 15:05	1
Chromium, Dissolved	1.4	U	5.0	1.4	ug/L		07/01/16 08:29	07/01/16 15:05	1
Lead, Dissolved	0.73	U	5.0	0.73	ug/L		07/01/16 08:29	07/01/16 15:05	1
Nickel, Dissolved	2.2	U	5.0	2.2	ug/L		07/01/16 08:29	07/01/16 15:05	1
Selenium, Dissolved	1.1	U	5.0	1.1	ug/L		07/01/16 08:29	07/01/16 15:05	1
Silver, Dissolved	0.94	U	5.0	0.94	ug/L		07/01/16 08:29	07/01/16 15:05	1
Zinc, Dissolved	3.6	U	25	3.6	ug/L		07/01/16 08:29	07/01/16 15:05	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.00013	U	0.0020	0.00013	mg/L		07/01/16 14:48	07/01/16 15:20	1

Client Sample Results

Client: ENTACT, LLC
Project/Site: E8077-Sheridan Superfund Site

TestAmerica Job ID: 560-62406-1

Client Sample ID: MW-31
Date Collected: 06/28/16 14:21
Date Received: 06/30/16 10:00

Lab Sample ID: 560-62406-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.0	U	10	5.0	ug/L			06/30/16 16:43	1
Benzene	0.33	U	1.0	0.33	ug/L			06/30/16 16:43	1
Bromodichloromethane	0.18	U	1.0	0.18	ug/L			06/30/16 16:43	1
Bromoform	0.50	U	5.0	0.50	ug/L			06/30/16 16:43	1
Bromomethane	0.39	U	5.0	0.39	ug/L			06/30/16 16:43	1
2-Butanone (MEK)	1.0	U	10	1.0	ug/L			06/30/16 16:43	1
Carbon disulfide	0.50	U	5.0	0.50	ug/L			06/30/16 16:43	1
Carbon tetrachloride	0.25	U	1.0	0.25	ug/L			06/30/16 16:43	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/30/16 16:43	1
Chlorodibromomethane	0.22	U	2.0	0.22	ug/L			06/30/16 16:43	1
Chloroethane	0.40	U	5.0	0.40	ug/L			06/30/16 16:43	1
Chloroform	0.17	U	1.0	0.17	ug/L			06/30/16 16:43	1
Chloromethane	0.39	U	5.0	0.39	ug/L			06/30/16 16:43	1
cis-1,3-Dichloropropene	0.15	U	1.0	0.15	ug/L			06/30/16 16:43	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/30/16 16:43	1
1,1-Dichloroethene	0.30	U	1.0	0.30	ug/L			06/30/16 16:43	1
1,2-Dichloropropane	0.17	U	1.0	0.17	ug/L			06/30/16 16:43	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			06/30/16 16:43	1
2-Hexanone	0.50	U	5.0	0.50	ug/L			06/30/16 16:43	1
Methylene Chloride	2.0	U	10	2.0	ug/L			06/30/16 16:43	1
4-Methyl-2-pentanone (MIBK)	0.51	U	5.0	0.51	ug/L			06/30/16 16:43	1
Styrene	0.20	U	1.0	0.20	ug/L			06/30/16 16:43	1
1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19	ug/L			06/30/16 16:43	1
Tetrachloroethene	0.19	U	1.0	0.19	ug/L			06/30/16 16:43	1
Toluene	0.50	U	1.0	0.50	ug/L			06/30/16 16:43	1
trans-1,2-Dichloroethene	0.20	U	1.0	0.20	ug/L			06/30/16 16:43	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			06/30/16 16:43	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			06/30/16 16:43	1
1,1,2-Trichloroethane	0.17	U	1.0	0.17	ug/L			06/30/16 16:43	1
Trichloroethene	0.32	U	1.0	0.32	ug/L			06/30/16 16:43	1
Vinyl acetate	0.50	U	5.0	0.50	ug/L			06/30/16 16:43	1
Vinyl chloride	0.30	U	1.0	0.30	ug/L			06/30/16 16:43	1
Xylenes, Total	0.20	U	2.0	0.20	ug/L			06/30/16 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*		*06/30/16 16:43*	*1*
Dibromofluoromethane (Surr)	*97*		*69 - 130*		*06/30/16 16:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 140*		*06/30/16 16:43*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*06/30/16 16:43*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.46	U	10	0.46	ug/L		07/05/16 13:37	07/06/16 11:52	1
Acenaphthylene	0.45	U	10	0.45	ug/L		07/05/16 13:37	07/06/16 11:52	1
Anthracene	0.70	U	10	0.70	ug/L		07/05/16 13:37	07/06/16 11:52	1
Benzo[a]anthracene	0.65	U	10	0.65	ug/L		07/05/16 13:37	07/06/16 11:52	1
Benzo[b]fluoranthene	0.91	U	10	0.91	ug/L		07/05/16 13:37	07/06/16 11:52	1
Benzo[k]fluoranthene	1.5	U	10	1.5	ug/L		07/05/16 13:37	07/06/16 11:52	1
Benzo[g,h,i]perylene	1.1	U	10	1.1	ug/L		07/05/16 13:37	07/06/16 11:52	1
Benzo[a]pyrene	0.74	U	10	0.74	ug/L		07/05/16 13:37	07/06/16 11:52	1

Client Sample Results

Client: ENTACT, LLC
Project/Site: E8077-Sheridan Superfund Site

TestAmerica Job ID: 560-62406-1

Client Sample ID: MW-31
Date Collected: 06/28/16 14:21
Date Received: 06/30/16 10:00

Lab Sample ID: 560-62406-3
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl alcohol	0.83	U	10	0.83	ug/L		07/05/16 13:37	07/06/16 11:52	1
Butyl benzyl phthalate	0.82	U	10	0.82	ug/L		07/05/16 13:37	07/06/16 11:52	1
Bis(2-chloroethoxy)methane	0.44	U	10	0.44	ug/L		07/05/16 13:37	07/06/16 11:52	1
Bis(2-chloroethyl)ether	1.6	U	10	1.6	ug/L		07/05/16 13:37	07/06/16 11:52	1
Bis(2-ethylhexyl) phthalate	**45**		20	5.0	ug/L		07/05/16 13:37	07/06/16 11:52	1
4-Bromophenyl phenyl ether	0.81	U	10	0.81	ug/L		07/05/16 13:37	07/06/16 11:52	1
p-Chloroaniline	0.55	U	10	0.55	ug/L		07/05/16 13:37	07/06/16 11:52	1
2-Chloronaphthalene	0.60	U	10	0.60	ug/L		07/05/16 13:37	07/06/16 11:52	1
4-Chlorophenyl phenyl ether	0.53	U	10	0.53	ug/L		07/05/16 13:37	07/06/16 11:52	1
Chrysene	0.49	U	10	0.49	ug/L		07/05/16 13:37	07/06/16 11:52	1
Dibenz(a,h)anthracene	0.87	U	10	0.87	ug/L		07/05/16 13:37	07/06/16 11:52	1
1,2-Dichlorobenzene	0.78	U	10	0.78	ug/L		07/05/16 13:37	07/06/16 11:52	1
1,3-Dichlorobenzene	0.49	U	10	0.49	ug/L		07/05/16 13:37	07/06/16 11:52	1
1,4-Dichlorobenzene	0.82	U	10	0.82	ug/L		07/05/16 13:37	07/06/16 11:52	1
3,3'-Dichlorobenzidine	0.79	U	10	0.79	ug/L		07/05/16 13:37	07/06/16 11:52	1
Diethyl phthalate	0.67	U	10	0.67	ug/L		07/05/16 13:37	07/06/16 11:52	1
Dimethyl phthalate	0.59	U	10	0.59	ug/L		07/05/16 13:37	07/06/16 11:52	1
Di-n-butyl phthalate	**1.4**	**J**	10	0.71	ug/L		07/05/16 13:37	07/06/16 11:52	1
Di-n-octyl phthalate	1.1	U	10	1.1	ug/L		07/05/16 13:37	07/06/16 11:52	1
2,4-Dinitrotoluene	0.51	U	20	0.51	ug/L		07/05/16 13:37	07/06/16 11:52	1
2,6-Dinitrotoluene	0.76	U	10	0.76	ug/L		07/05/16 13:37	07/06/16 11:52	1
Fluoranthene	0.50	U	10	0.50	ug/L		07/05/16 13:37	07/06/16 11:52	1
Fluorene	0.42	U	10	0.42	ug/L		07/05/16 13:37	07/06/16 11:52	1
Hexachlorobenzene	0.60	U	10	0.60	ug/L		07/05/16 13:37	07/06/16 11:52	1
Hexachlorobutadiene	0.72	U	10	0.72	ug/L		07/05/16 13:37	07/06/16 11:52	1
Hexachlorocyclopentadiene	0.84	U	10	0.84	ug/L		07/05/16 13:37	07/06/16 11:52	1
Hexachloroethane	0.59	U	10	0.59	ug/L		07/05/16 13:37	07/06/16 11:52	1
Indeno[1,2,3-cd]pyrene	0.92	U	10	0.92	ug/L		07/05/16 13:37	07/06/16 11:52	1
2-Methylnaphthalene	0.70	U	10	0.70	ug/L		07/05/16 13:37	07/06/16 11:52	1
2-Nitroaniline	0.77	U	10	0.77	ug/L		07/05/16 13:37	07/06/16 11:52	1
3-Nitroaniline	0.51	U	10	0.51	ug/L		07/05/16 13:37	07/06/16 11:52	1
4-Nitroaniline	0.82	U	10	0.82	ug/L		07/05/16 13:37	07/06/16 11:52	1
Naphthalene	0.79	U	10	0.79	ug/L		07/05/16 13:37	07/06/16 11:52	1
Nitrobenzene	0.59	U	10	0.59	ug/L		07/05/16 13:37	07/06/16 11:52	1
N-Nitrosodimethylamine	1.4	U	10	1.4	ug/L		07/05/16 13:37	07/06/16 11:52	1
N-Nitrosodi-n-propylamine	0.62	U	10	0.62	ug/L		07/05/16 13:37	07/06/16 11:52	1
N-Nitrosodiphenylamine	1.0	U	10	1.0	ug/L		07/05/16 13:37	07/06/16 11:52	1
Phenanthrene	0.59	U	10	0.59	ug/L		07/05/16 13:37	07/06/16 11:52	1
Pyrene	0.44	U	10	0.44	ug/L		07/05/16 13:37	07/06/16 11:52	1
1,2,4-Trichlorobenzene	0.65	U	10	0.65	ug/L		07/05/16 13:37	07/06/16 11:52	1
Benzoic acid	0.83	U	50	0.83	ug/L		07/05/16 13:37	07/06/16 11:52	1
p-Chloro-m-cresol	0.59	U	10	0.59	ug/L		07/05/16 13:37	07/06/16 11:52	1
2-Chlorophenol	0.73	U	10	0.73	ug/L		07/05/16 13:37	07/06/16 11:52	1
2,4-Dichlorophenol	0.70	U	10	0.70	ug/L		07/05/16 13:37	07/06/16 11:52	1
2,4-Dimethylphenol	0.59	U	10	0.59	ug/L		07/05/16 13:37	07/06/16 11:52	1
2,4-Dinitrophenol	2.7	U	20	2.7	ug/L		07/05/16 13:37	07/06/16 11:52	1
4,6-Dinitro-2-methylphenol	0.96	U	10	0.96	ug/L		07/05/16 13:37	07/06/16 11:52	1
m & p - Cresol	0.76	U	20	0.76	ug/L		07/05/16 13:37	07/06/16 11:52	1
2-Nitrophenol	0.81	U	10	0.81	ug/L		07/05/16 13:37	07/06/16 11:52	1

Client Sample ID: MW-31
Date Collected: 06/28/16 14:21
Date Received: 06/30/16 10:00

Lab Sample ID: 560-62406-3
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	1.7	U	10	1.7	ug/L		07/05/16 13:37	07/06/16 11:52	1
Pentachlorophenol	1.3	U	20	1.3	ug/L		07/05/16 13:37	07/06/16 11:52	1
Phenol	**1.1**	**J**	10	0.77	ug/L		07/05/16 13:37	07/06/16 11:52	1
2,4,6-Trichlorophenol	0.66	U	10	0.66	ug/L		07/05/16 13:37	07/06/16 11:52	1
2,4,5-Trichlorophenol	0.86	U	10	0.86	ug/L		07/05/16 13:37	07/06/16 11:52	1
bis (2-chloroisopropyl) ether	0.50	U	10	0.50	ug/L		07/05/16 13:37	07/06/16 11:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*69*		*27 - 130*	*07/05/16 13:37*	*07/06/16 11:52*	*1*
2-Fluorobiphenyl	*67*		*23 - 130*	*07/05/16 13:37*	*07/06/16 11:52*	*1*
Terphenyl-d14	*43*		*10 - 141*	*07/05/16 13:37*	*07/06/16 11:52*	*1*
Phenol-d5	*68*		*10 - 130*	*07/05/16 13:37*	*07/06/16 11:52*	*1*
2-Fluorophenol	*66*		*10 - 130*	*07/05/16 13:37*	*07/06/16 11:52*	*1*
2,4,6-Tribromophenol	*79*		*18 - 130*	*07/05/16 13:37*	*07/06/16 11:52*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0047	U	0.056	0.0047	ug/L		07/01/16 08:52	07/05/16 16:18	1
4,4'-DDE	0.0047	U	0.056	0.0047	ug/L		07/01/16 08:52	07/05/16 16:18	1
4,4'-DDT	0.0076	U	0.056	0.0076	ug/L		07/01/16 08:52	07/05/16 16:18	1
Aldrin	0.0047	U	0.056	0.0047	ug/L		07/01/16 08:52	07/05/16 16:18	1
alpha-BHC	0.0049	U	0.056	0.0049	ug/L		07/01/16 08:52	07/05/16 16:18	1
beta-BHC	0.0047	U	0.056	0.0047	ug/L		07/01/16 08:52	07/05/16 16:18	1
Chlordane (technical)	0.14	U	0.56	0.14	ug/L		07/01/16 08:52	07/05/16 16:18	1
delta-BHC	0.0047	U	0.056	0.0047	ug/L		07/01/16 08:52	07/05/16 16:18	1
Dieldrin	0.012	U	0.056	0.012	ug/L		07/01/16 08:52	07/05/16 16:18	1
Endosulfan I	0.0047	U	0.056	0.0047	ug/L		07/01/16 08:52	07/05/16 16:18	1
Endosulfan II	0.0080	U	0.056	0.0080	ug/L		07/01/16 08:52	07/05/16 16:18	1
Endosulfan sulfate	0.0082	U	0.056	0.0082	ug/L		07/01/16 08:52	07/05/16 16:18	1
Endrin	0.0072	U	0.056	0.0072	ug/L		07/01/16 08:52	07/05/16 16:18	1
Endrin aldehyde	0.0047	U	0.056	0.0047	ug/L		07/01/16 08:52	07/05/16 16:18	1
gamma-BHC (Lindane)	0.0042	U	0.056	0.0042	ug/L		07/01/16 08:52	07/05/16 16:18	1
Heptachlor	0.0061	U	0.056	0.0061	ug/L		07/01/16 08:52	07/05/16 16:18	1
Heptachlor epoxide	0.0049	U	0.056	0.0049	ug/L		07/01/16 08:52	07/05/16 16:18	1
Methoxychlor	0.0094	U	0.056	0.0094	ug/L		07/01/16 08:52	07/05/16 16:18	1
Toxaphene	0.64	U	5.6	0.64	ug/L		07/01/16 08:52	07/05/16 16:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*57*		*10 - 152*	*07/01/16 08:52*	*07/05/16 16:18*	*1*
Tetrachloro-m-xylene	*78*		*57 - 127*	*07/01/16 08:52*	*07/05/16 16:18*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.10	U	0.56	0.10	ug/L		07/01/16 08:52	07/05/16 13:12	1
PCB-1221	0.10	U	0.56	0.10	ug/L		07/01/16 08:52	07/05/16 13:12	1
PCB-1232	0.41	U	0.75	0.41	ug/L		07/01/16 08:52	07/05/16 13:12	1
PCB-1242	0.10	U	0.56	0.10	ug/L		07/01/16 08:52	07/05/16 13:12	1
PCB-1248	0.10	U	0.56	0.10	ug/L		07/01/16 08:52	07/05/16 13:12	1
PCB-1254	0.10	U	0.56	0.10	ug/L		07/01/16 08:52	07/05/16 13:12	1
PCB-1260	0.10	U	0.56	0.10	ug/L		07/01/16 08:52	07/05/16 13:12	1

Client Sample ID: MW-31

Lab Sample ID: 560-62406-3

Date Collected: 06/28/16 14:21
Matrix: Water
Date Received: 06/30/16 10:00

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	0.10	U	0.56	0.10	ug/L		07/01/16 08:52	07/05/16 13:12	1
PCB-1268	0.10	U	0.56	0.10	ug/L		07/01/16 08:52	07/05/16 13:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*91*		*10 - 150*	*07/01/16 08:52*	*07/05/16 13:12*	*1*
Decachlorobiphenyl	*81*		*10 - 150*	*07/01/16 08:52*	*07/05/16 13:12*	*1*

Method: 6020 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**1.7**	**J**	5.0	1.1	ug/L		07/01/16 08:29	07/01/16 15:11	1
Barium, Dissolved	**260**		5.0	0.81	ug/L		07/01/16 08:29	07/01/16 15:11	1
Cadmium, Dissolved	0.85	U	2.0	0.85	ug/L		07/01/16 08:29	07/01/16 15:11	1
Chromium, Dissolved	1.4	U	5.0	1.4	ug/L		07/01/16 08:29	07/01/16 15:11	1
Lead, Dissolved	0.73	U	5.0	0.73	ug/L		07/01/16 08:29	07/01/16 15:11	1
Nickel, Dissolved	2.2	U	5.0	2.2	ug/L		07/01/16 08:29	07/01/16 15:11	1
Selenium, Dissolved	1.1	U	5.0	1.1	ug/L		07/01/16 08:29	07/01/16 15:11	1
Silver, Dissolved	0.94	U	5.0	0.94	ug/L		07/01/16 08:29	07/01/16 15:11	1
Zinc, Dissolved	**15**	**J**	25	3.6	ug/L		07/01/16 08:29	07/01/16 15:11	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.00013	U	0.0020	0.00013	mg/L		07/01/16 14:48	07/01/16 15:22	1

Client Sample ID: MW-34

Lab Sample ID: 560-62406-4

Date Collected: 06/28/16 15:40
Matrix: Water
Date Received: 06/30/16 10:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.0	U	10	5.0	ug/L			06/30/16 17:09	1
Benzene	0.33	U	1.0	0.33	ug/L			06/30/16 17:09	1
Bromodichloromethane	0.18	U	1.0	0.18	ug/L			06/30/16 17:09	1
Bromoform	0.50	U	5.0	0.50	ug/L			06/30/16 17:09	1
Bromomethane	0.39	U	5.0	0.39	ug/L			06/30/16 17:09	1
2-Butanone (MEK)	1.0	U	10	1.0	ug/L			06/30/16 17:09	1
Carbon disulfide	0.50	U	5.0	0.50	ug/L			06/30/16 17:09	1
Carbon tetrachloride	0.25	U	1.0	0.25	ug/L			06/30/16 17:09	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/30/16 17:09	1
Chlorodibromomethane	0.22	U	2.0	0.22	ug/L			06/30/16 17:09	1
Chloroethane	0.40	U	5.0	0.40	ug/L			06/30/16 17:09	1
Chloroform	0.17	U	1.0	0.17	ug/L			06/30/16 17:09	1
Chloromethane	0.39	U	5.0	0.39	ug/L			06/30/16 17:09	1
cis-1,3-Dichloropropene	0.15	U	1.0	0.15	ug/L			06/30/16 17:09	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/30/16 17:09	1
1,1-Dichloroethene	0.30	U	1.0	0.30	ug/L			06/30/16 17:09	1
1,2-Dichloropropane	0.17	U	1.0	0.17	ug/L			06/30/16 17:09	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			06/30/16 17:09	1
2-Hexanone	0.50	U	5.0	0.50	ug/L			06/30/16 17:09	1
Methylene Chloride	2.0	U	10	2.0	ug/L			06/30/16 17:09	1
4-Methyl-2-pentanone (MIBK)	0.51	U	5.0	0.51	ug/L			06/30/16 17:09	1

Client Sample ID: MW-34
Date Collected: 06/28/16 15:40
Date Received: 06/30/16 10:00

Lab Sample ID: 560-62406-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.20	U	1.0	0.20	ug/L			06/30/16 17:09	1
1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19	ug/L			06/30/16 17:09	1
Tetrachloroethene	0.19	U	1.0	0.19	ug/L			06/30/16 17:09	1
Toluene	0.50	U	1.0	0.50	ug/L			06/30/16 17:09	1
trans-1,2-Dichloroethene	0.20	U	1.0	0.20	ug/L			06/30/16 17:09	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			06/30/16 17:09	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			06/30/16 17:09	1
1,1,2-Trichloroethane	0.17	U	1.0	0.17	ug/L			06/30/16 17:09	1
Trichloroethene	0.32	U	1.0	0.32	ug/L			06/30/16 17:09	1
Vinyl acetate	0.50	U	5.0	0.50	ug/L			06/30/16 17:09	1
Vinyl chloride	0.30	U	1.0	0.30	ug/L			06/30/16 17:09	1
Xylenes, Total	0.20	U	2.0	0.20	ug/L			06/30/16 17:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*		*06/30/16 17:09*	*1*
Dibromofluoromethane (Surr)	*103*		*69 - 130*		*06/30/16 17:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 140*		*06/30/16 17:09*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*06/30/16 17:09*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.46	U	10	0.46	ug/L		07/05/16 13:37	07/06/16 12:19	1
Acenaphthylene	0.45	U	10	0.45	ug/L		07/05/16 13:37	07/06/16 12:19	1
Anthracene	0.70	U	10	0.70	ug/L		07/05/16 13:37	07/06/16 12:19	1
Benzo[a]anthracene	0.65	U	10	0.65	ug/L		07/05/16 13:37	07/06/16 12:19	1
Benzo[b]fluoranthene	0.91	U	10	0.91	ug/L		07/05/16 13:37	07/06/16 12:19	1
Benzo[k]fluoranthene	1.5	U	10	1.5	ug/L		07/05/16 13:37	07/06/16 12:19	1
Benzo[g,h,i]perylene	1.1	U	10	1.1	ug/L		07/05/16 13:37	07/06/16 12:19	1
Benzo[a]pyrene	0.74	U	10	0.74	ug/L		07/05/16 13:37	07/06/16 12:19	1
Benzyl alcohol	0.83	U	10	0.83	ug/L		07/05/16 13:37	07/06/16 12:19	1
Butyl benzyl phthalate	0.82	U	10	0.82	ug/L		07/05/16 13:37	07/06/16 12:19	1
Bis(2-chloroethoxy)methane	0.44	U	10	0.44	ug/L		07/05/16 13:37	07/06/16 12:19	1
Bis(2-chloroethyl)ether	1.6	U	10	1.6	ug/L		07/05/16 13:37	07/06/16 12:19	1
Bis(2-ethylhexyl) phthalate	**19**	**J**	20	5.0	ug/L		07/05/16 13:37	07/06/16 12:19	1
4-Bromophenyl phenyl ether	0.81	U	10	0.81	ug/L		07/05/16 13:37	07/06/16 12:19	1
p-Chloroaniline	0.55	U	10	0.55	ug/L		07/05/16 13:37	07/06/16 12:19	1
2-Chloronaphthalene	0.60	U	10	0.60	ug/L		07/05/16 13:37	07/06/16 12:19	1
4-Chlorophenyl phenyl ether	0.53	U	10	0.53	ug/L		07/05/16 13:37	07/06/16 12:19	1
Chrysene	0.49	U	10	0.49	ug/L		07/05/16 13:37	07/06/16 12:19	1
Dibenz(a,h)anthracene	0.87	U	10	0.87	ug/L		07/05/16 13:37	07/06/16 12:19	1
1,2-Dichlorobenzene	0.78	U	10	0.78	ug/L		07/05/16 13:37	07/06/16 12:19	1
1,3-Dichlorobenzene	0.49	U	10	0.49	ug/L		07/05/16 13:37	07/06/16 12:19	1
1,4-Dichlorobenzene	0.82	U	10	0.82	ug/L		07/05/16 13:37	07/06/16 12:19	1
3,3'-Dichlorobenzidine	0.79	U	10	0.79	ug/L		07/05/16 13:37	07/06/16 12:19	1
Diethyl phthalate	0.67	U	10	0.67	ug/L		07/05/16 13:37	07/06/16 12:19	1
Dimethyl phthalate	0.59	U	10	0.59	ug/L		07/05/16 13:37	07/06/16 12:19	1
Di-n-butyl phthalate	0.71	U	10	0.71	ug/L		07/05/16 13:37	07/06/16 12:19	1
Di-n-octyl phthalate	1.1	U	10	1.1	ug/L		07/05/16 13:37	07/06/16 12:19	1
2,4-Dinitrotoluene	0.51	U	20	0.51	ug/L		07/05/16 13:37	07/06/16 12:19	1
2,6-Dinitrotoluene	0.76	U	10	0.76	ug/L		07/05/16 13:37	07/06/16 12:19	1

Client Sample ID: MW-34
Date Collected: 06/28/16 15:40
Date Received: 06/30/16 10:00

Lab Sample ID: 560-62406-4
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	0.50	U	10	0.50	ug/L		07/05/16 13:37	07/06/16 12:19	1
Fluorene	0.42	U	10	0.42	ug/L		07/05/16 13:37	07/06/16 12:19	1
Hexachlorobenzene	0.60	U	10	0.60	ug/L		07/05/16 13:37	07/06/16 12:19	1
Hexachlorobutadiene	0.72	U	10	0.72	ug/L		07/05/16 13:37	07/06/16 12:19	1
Hexachlorocyclopentadiene	0.84	U	10	0.84	ug/L		07/05/16 13:37	07/06/16 12:19	1
Hexachloroethane	0.59	U	10	0.59	ug/L		07/05/16 13:37	07/06/16 12:19	1
Indeno[1,2,3-cd]pyrene	0.92	U	10	0.92	ug/L		07/05/16 13:37	07/06/16 12:19	1
2-Methylnaphthalene	0.70	U	10	0.70	ug/L		07/05/16 13:37	07/06/16 12:19	1
2-Nitroaniline	0.77	U	10	0.77	ug/L		07/05/16 13:37	07/06/16 12:19	1
3-Nitroaniline	0.51	U	10	0.51	ug/L		07/05/16 13:37	07/06/16 12:19	1
4-Nitroaniline	0.82	U	10	0.82	ug/L		07/05/16 13:37	07/06/16 12:19	1
Naphthalene	0.79	U	10	0.79	ug/L		07/05/16 13:37	07/06/16 12:19	1
Nitrobenzene	0.59	U	10	0.59	ug/L		07/05/16 13:37	07/06/16 12:19	1
N-Nitrosodimethylamine	1.4	U	10	1.4	ug/L		07/05/16 13:37	07/06/16 12:19	1
N-Nitrosodi-n-propylamine	0.62	U	10	0.62	ug/L		07/05/16 13:37	07/06/16 12:19	1
N-Nitrosodiphenylamine	1.0	U	10	1.0	ug/L		07/05/16 13:37	07/06/16 12:19	1
Phenanthrene	0.59	U	10	0.59	ug/L		07/05/16 13:37	07/06/16 12:19	1
Pyrene	0.44	U	10	0.44	ug/L		07/05/16 13:37	07/06/16 12:19	1
1,2,4-Trichlorobenzene	0.65	U	10	0.65	ug/L		07/05/16 13:37	07/06/16 12:19	1
Benzoic acid	0.83	U	50	0.83	ug/L		07/05/16 13:37	07/06/16 12:19	1
p-Chloro-m-cresol	0.59	U	10	0.59	ug/L		07/05/16 13:37	07/06/16 12:19	1
2-Chlorophenol	0.73	U	10	0.73	ug/L		07/05/16 13:37	07/06/16 12:19	1
2,4-Dichlorophenol	0.70	U	10	0.70	ug/L		07/05/16 13:37	07/06/16 12:19	1
2,4-Dimethylphenol	0.59	U	10	0.59	ug/L		07/05/16 13:37	07/06/16 12:19	1
2,4-Dinitrophenol	2.7	U	20	2.7	ug/L		07/05/16 13:37	07/06/16 12:19	1
4,6-Dinitro-2-methylphenol	0.96	U	10	0.96	ug/L		07/05/16 13:37	07/06/16 12:19	1
m & p - Cresol	0.76	U	20	0.76	ug/L		07/05/16 13:37	07/06/16 12:19	1
2-Nitrophenol	0.81	U	10	0.81	ug/L		07/05/16 13:37	07/06/16 12:19	1
4-Nitrophenol	1.7	U	10	1.7	ug/L		07/05/16 13:37	07/06/16 12:19	1
Pentachlorophenol	1.3	U	20	1.3	ug/L		07/05/16 13:37	07/06/16 12:19	1
Phenol	0.77	U	10	0.77	ug/L		07/05/16 13:37	07/06/16 12:19	1
2,4,6-Trichlorophenol	0.66	U	10	0.66	ug/L		07/05/16 13:37	07/06/16 12:19	1
2,4,5-Trichlorophenol	0.86	U	10	0.86	ug/L		07/05/16 13:37	07/06/16 12:19	1
bis (2-chloroisopropyl) ether	0.50	U	10	0.50	ug/L		07/05/16 13:37	07/06/16 12:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*65*		*27 - 130*	*07/05/16 13:37*	*07/06/16 12:19*	*1*
2-Fluorobiphenyl	*67*		*23 - 130*	*07/05/16 13:37*	*07/06/16 12:19*	*1*
Terphenyl-d14	*65*		*10 - 141*	*07/05/16 13:37*	*07/06/16 12:19*	*1*
Phenol-d5	*71*		*10 - 130*	*07/05/16 13:37*	*07/06/16 12:19*	*1*
2-Fluorophenol	*67*		*10 - 130*	*07/05/16 13:37*	*07/06/16 12:19*	*1*
2,4,6-Tribromophenol	*80*		*18 - 130*	*07/05/16 13:37*	*07/06/16 12:19*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0047	U	0.057	0.0047	ug/L		07/01/16 08:52	07/05/16 16:44	1
4,4'-DDE	0.0047	U	0.057	0.0047	ug/L		07/01/16 08:52	07/05/16 16:44	1
4,4'-DDT	0.0077	U	0.057	0.0077	ug/L		07/01/16 08:52	07/05/16 16:44	1
Aldrin	0.0047	U	0.057	0.0047	ug/L		07/01/16 08:52	07/05/16 16:44	1
alpha-BHC	0.0049	U	0.057	0.0049	ug/L		07/01/16 08:52	07/05/16 16:44	1

Client Sample Results

Client: ENTACT, LLC
Project/Site: E8077-Sheridan Superfund Site

TestAmerica Job ID: 560-62406-1

Client Sample ID: MW-34
Date Collected: 06/28/16 15:40
Date Received: 06/30/16 10:00

Lab Sample ID: 560-62406-4
Matrix: Water

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	0.0047	U	0.057	0.0047	ug/L		07/01/16 08:52	07/05/16 16:44	1
Chlordane (technical)	0.14	U	0.57	0.14	ug/L		07/01/16 08:52	07/05/16 16:44	1
delta-BHC	0.0047	U	0.057	0.0047	ug/L		07/01/16 08:52	07/05/16 16:44	1
Dieldrin	0.012	U	0.057	0.012	ug/L		07/01/16 08:52	07/05/16 16:44	1
Endosulfan I	0.0047	U	0.057	0.0047	ug/L		07/01/16 08:52	07/05/16 16:44	1
Endosulfan II	0.0082	U	0.057	0.0082	ug/L		07/01/16 08:52	07/05/16 16:44	1
Endosulfan sulfate	0.0083	U	0.057	0.0083	ug/L		07/01/16 08:52	07/05/16 16:44	1
Endrin	0.0073	U	0.057	0.0073	ug/L		07/01/16 08:52	07/05/16 16:44	1
Endrin aldehyde	0.0047	U	0.057	0.0047	ug/L		07/01/16 08:52	07/05/16 16:44	1
gamma-BHC (Lindane)	0.0043	U	0.057	0.0043	ug/L		07/01/16 08:52	07/05/16 16:44	1
Heptachlor	0.0062	U	0.057	0.0062	ug/L		07/01/16 08:52	07/05/16 16:44	1
Heptachlor epoxide	0.0049	U	0.057	0.0049	ug/L		07/01/16 08:52	07/05/16 16:44	1
Methoxychlor	0.0095	U	0.057	0.0095	ug/L		07/01/16 08:52	07/05/16 16:44	1
Toxaphene	0.64	U	5.7	0.64	ug/L		07/01/16 08:52	07/05/16 16:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*55*		*10 - 152*	*07/01/16 08:52*	*07/05/16 16:44*	*1*
Tetrachloro-m-xylene	*81*		*57 - 127*	*07/01/16 08:52*	*07/05/16 16:44*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.10	U	0.57	0.10	ug/L		07/01/16 08:52	07/05/16 13:29	1
PCB-1221	0.10	U	0.57	0.10	ug/L		07/01/16 08:52	07/05/16 13:29	1
PCB-1232	0.42	U	0.76	0.42	ug/L		07/01/16 08:52	07/05/16 13:29	1
PCB-1242	0.10	U	0.57	0.10	ug/L		07/01/16 08:52	07/05/16 13:29	1
PCB-1248	0.10	U	0.57	0.10	ug/L		07/01/16 08:52	07/05/16 13:29	1
PCB-1254	0.10	U	0.57	0.10	ug/L		07/01/16 08:52	07/05/16 13:29	1
PCB-1260	0.10	U	0.57	0.10	ug/L		07/01/16 08:52	07/05/16 13:29	1
PCB-1262	0.10	U	0.57	0.10	ug/L		07/01/16 08:52	07/05/16 13:29	1
PCB-1268	0.10	U	0.57	0.10	ug/L		07/01/16 08:52	07/05/16 13:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*93*		*10 - 150*	*07/01/16 08:52*	*07/05/16 13:29*	*1*
Decachlorobiphenyl	*82*		*10 - 150*	*07/01/16 08:52*	*07/05/16 13:29*	*1*

Method: 6020 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	1.1	U	5.0	1.1	ug/L		07/01/16 08:29	07/01/16 15:16	1
Barium, Dissolved	**290**		5.0	0.81	ug/L		07/01/16 08:29	07/01/16 15:16	1
Cadmium, Dissolved	0.85	U	2.0	0.85	ug/L		07/01/16 08:29	07/01/16 15:16	1
Chromium, Dissolved	**1.4**	**J**	5.0	1.4	ug/L		07/01/16 08:29	07/01/16 15:16	1
Lead, Dissolved	0.73	U	5.0	0.73	ug/L		07/01/16 08:29	07/01/16 15:16	1
Nickel, Dissolved	2.2	U	5.0	2.2	ug/L		07/01/16 08:29	07/01/16 15:16	1
Selenium, Dissolved	**12**		5.0	1.1	ug/L		07/01/16 08:29	07/01/16 15:16	1
Silver, Dissolved	0.94	U	5.0	0.94	ug/L		07/01/16 08:29	07/01/16 15:16	1
Zinc, Dissolved	**17**	**J**	25	3.6	ug/L		07/01/16 08:29	07/01/16 15:16	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.00013	U	0.0020	0.00013	mg/L		07/01/16 14:48	07/01/16 15:24	1

Client Sample Results

Client: ENTACT, LLC
Project/Site: E8077-Sheridan Superfund Site

TestAmerica Job ID: 560-62406-1

Client Sample ID: DUP

Lab Sample ID: 560-62406-5

Date Collected: 06/28/16 00:00
Date Received: 06/30/16 10:00

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.0	U	10	5.0	ug/L			06/30/16 17:34	1
Benzene	0.33	U	1.0	0.33	ug/L			06/30/16 17:34	1
Bromodichloromethane	0.18	U	1.0	0.18	ug/L			06/30/16 17:34	1
Bromoform	0.50	U	5.0	0.50	ug/L			06/30/16 17:34	1
Bromomethane	0.39	U	5.0	0.39	ug/L			06/30/16 17:34	1
2-Butanone (MEK)	1.0	U	10	1.0	ug/L			06/30/16 17:34	1
Carbon disulfide	0.50	U	5.0	0.50	ug/L			06/30/16 17:34	1
Carbon tetrachloride	0.25	U	1.0	0.25	ug/L			06/30/16 17:34	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/30/16 17:34	1
Chlorodibromomethane	0.22	U	2.0	0.22	ug/L			06/30/16 17:34	1
Chloroethane	0.40	U	5.0	0.40	ug/L			06/30/16 17:34	1
Chloroform	0.17	U	1.0	0.17	ug/L			06/30/16 17:34	1
Chloromethane	0.39	U	5.0	0.39	ug/L			06/30/16 17:34	1
cis-1,3-Dichloropropene	0.15	U	1.0	0.15	ug/L			06/30/16 17:34	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/30/16 17:34	1
1,1-Dichloroethene	0.30	U	1.0	0.30	ug/L			06/30/16 17:34	1
1,2-Dichloropropane	0.17	U	1.0	0.17	ug/L			06/30/16 17:34	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			06/30/16 17:34	1
2-Hexanone	0.50	U	5.0	0.50	ug/L			06/30/16 17:34	1
Methylene Chloride	2.0	U	10	2.0	ug/L			06/30/16 17:34	1
4-Methyl-2-pentanone (MIBK)	0.51	U	5.0	0.51	ug/L			06/30/16 17:34	1
Styrene	0.20	U	1.0	0.20	ug/L			06/30/16 17:34	1
1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19	ug/L			06/30/16 17:34	1
Tetrachloroethene	0.19	U	1.0	0.19	ug/L			06/30/16 17:34	1
Toluene	0.50	U	1.0	0.50	ug/L			06/30/16 17:34	1
trans-1,2-Dichloroethene	0.20	U	1.0	0.20	ug/L			06/30/16 17:34	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			06/30/16 17:34	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			06/30/16 17:34	1
1,1,2-Trichloroethane	0.17	U	1.0	0.17	ug/L			06/30/16 17:34	1
Trichloroethene	0.32	U	1.0	0.32	ug/L			06/30/16 17:34	1
Vinyl acetate	0.50	U	5.0	0.50	ug/L			06/30/16 17:34	1
Vinyl chloride	0.30	U	1.0	0.30	ug/L			06/30/16 17:34	1
Xylenes, Total	0.20	U	2.0	0.20	ug/L			06/30/16 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*		*06/30/16 17:34*	*1*
Dibromofluoromethane (Surr)	*98*		*69 - 130*		*06/30/16 17:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 140*		*06/30/16 17:34*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*06/30/16 17:34*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.46	U	10	0.46	ug/L		07/05/16 13:37	07/06/16 12:45	1
Acenaphthylene	0.45	U	10	0.45	ug/L		07/05/16 13:37	07/06/16 12:45	1
Anthracene	0.70	U	10	0.70	ug/L		07/05/16 13:37	07/06/16 12:45	1
Benzo[a]anthracene	0.65	U	10	0.65	ug/L		07/05/16 13:37	07/06/16 12:45	1
Benzo[b]fluoranthene	0.91	U	10	0.91	ug/L		07/05/16 13:37	07/06/16 12:45	1
Benzo[k]fluoranthene	1.5	U	10	1.5	ug/L		07/05/16 13:37	07/06/16 12:45	1
Benzo[g,h,i]perylene	1.1	U	10	1.1	ug/L		07/05/16 13:37	07/06/16 12:45	1
Benzo[a]pyrene	0.74	U	10	0.74	ug/L		07/05/16 13:37	07/06/16 12:45	1

Client Sample ID: DUP

Lab Sample ID: 560-62406-5

Date Collected: 06/28/16 00:00
Date Received: 06/30/16 10:00

Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl alcohol	0.83	U	10	0.83	ug/L		07/05/16 13:37	07/06/16 12:45	1
Butyl benzyl phthalate	0.82	U	10	0.82	ug/L		07/05/16 13:37	07/06/16 12:45	1
Bis(2-chloroethoxy)methane	0.44	U	10	0.44	ug/L		07/05/16 13:37	07/06/16 12:45	1
Bis(2-chloroethyl)ether	1.6	U	10	1.6	ug/L		07/05/16 13:37	07/06/16 12:45	1
Bis(2-ethylhexyl) phthalate	5.0	U	20	5.0	ug/L		07/05/16 13:37	07/06/16 12:45	1
4-Bromophenyl phenyl ether	0.81	U	10	0.81	ug/L		07/05/16 13:37	07/06/16 12:45	1
p-Chloroaniline	0.55	U	10	0.55	ug/L		07/05/16 13:37	07/06/16 12:45	1
2-Chloronaphthalene	0.60	U	10	0.60	ug/L		07/05/16 13:37	07/06/16 12:45	1
4-Chlorophenyl phenyl ether	0.53	U	10	0.53	ug/L		07/05/16 13:37	07/06/16 12:45	1
Chrysene	0.49	U	10	0.49	ug/L		07/05/16 13:37	07/06/16 12:45	1
Dibenz(a,h)anthracene	0.87	U	10	0.87	ug/L		07/05/16 13:37	07/06/16 12:45	1
1,2-Dichlorobenzene	0.78	U	10	0.78	ug/L		07/05/16 13:37	07/06/16 12:45	1
1,3-Dichlorobenzene	0.49	U	10	0.49	ug/L		07/05/16 13:37	07/06/16 12:45	1
1,4-Dichlorobenzene	0.82	U	10	0.82	ug/L		07/05/16 13:37	07/06/16 12:45	1
3,3'-Dichlorobenzidine	0.79	U	10	0.79	ug/L		07/05/16 13:37	07/06/16 12:45	1
Diethyl phthalate	0.67	U	10	0.67	ug/L		07/05/16 13:37	07/06/16 12:45	1
Dimethyl phthalate	0.59	U	10	0.59	ug/L		07/05/16 13:37	07/06/16 12:45	1
Di-n-butyl phthalate	**1.5**	**J**	10	0.71	ug/L		07/05/16 13:37	07/06/16 12:45	1
Di-n-octyl phthalate	1.1	U	10	1.1	ug/L		07/05/16 13:37	07/06/16 12:45	1
2,4-Dinitrotoluene	0.51	U	20	0.51	ug/L		07/05/16 13:37	07/06/16 12:45	1
2,6-Dinitrotoluene	0.76	U	10	0.76	ug/L		07/05/16 13:37	07/06/16 12:45	1
Fluoranthene	0.50	U	10	0.50	ug/L		07/05/16 13:37	07/06/16 12:45	1
Fluorene	0.42	U	10	0.42	ug/L		07/05/16 13:37	07/06/16 12:45	1
Hexachlorobenzene	0.60	U	10	0.60	ug/L		07/05/16 13:37	07/06/16 12:45	1
Hexachlorobutadiene	0.72	U	10	0.72	ug/L		07/05/16 13:37	07/06/16 12:45	1
Hexachlorocyclopentadiene	0.84	U	10	0.84	ug/L		07/05/16 13:37	07/06/16 12:45	1
Hexachloroethane	0.59	U	10	0.59	ug/L		07/05/16 13:37	07/06/16 12:45	1
Indeno[1,2,3-cd]pyrene	0.92	U	10	0.92	ug/L		07/05/16 13:37	07/06/16 12:45	1
2-Methylnaphthalene	0.70	U	10	0.70	ug/L		07/05/16 13:37	07/06/16 12:45	1
2-Nitroaniline	0.77	U	10	0.77	ug/L		07/05/16 13:37	07/06/16 12:45	1
3-Nitroaniline	0.51	U	10	0.51	ug/L		07/05/16 13:37	07/06/16 12:45	1
4-Nitroaniline	0.82	U	10	0.82	ug/L		07/05/16 13:37	07/06/16 12:45	1
Naphthalene	0.79	U	10	0.79	ug/L		07/05/16 13:37	07/06/16 12:45	1
Nitrobenzene	0.59	U	10	0.59	ug/L		07/05/16 13:37	07/06/16 12:45	1
N-Nitrosodimethylamine	1.4	U	10	1.4	ug/L		07/05/16 13:37	07/06/16 12:45	1
N-Nitrosodi-n-propylamine	0.62	U	10	0.62	ug/L		07/05/16 13:37	07/06/16 12:45	1
N-Nitrosodiphenylamine	1.0	U	10	1.0	ug/L		07/05/16 13:37	07/06/16 12:45	1
Phenanthrene	0.59	U	10	0.59	ug/L		07/05/16 13:37	07/06/16 12:45	1
Pyrene	0.44	U	10	0.44	ug/L		07/05/16 13:37	07/06/16 12:45	1
1,2,4-Trichlorobenzene	0.65	U	10	0.65	ug/L		07/05/16 13:37	07/06/16 12:45	1
Benzoic acid	0.83	U	50	0.83	ug/L		07/05/16 13:37	07/06/16 12:45	1
p-Chloro-m-cresol	0.59	U	10	0.59	ug/L		07/05/16 13:37	07/06/16 12:45	1
2-Chlorophenol	0.73	U	10	0.73	ug/L		07/05/16 13:37	07/06/16 12:45	1
2,4-Dichlorophenol	0.70	U	10	0.70	ug/L		07/05/16 13:37	07/06/16 12:45	1
2,4-Dimethylphenol	0.59	U	10	0.59	ug/L		07/05/16 13:37	07/06/16 12:45	1
2,4-Dinitrophenol	2.7	U	20	2.7	ug/L		07/05/16 13:37	07/06/16 12:45	1
4,6-Dinitro-2-methylphenol	0.96	U	10	0.96	ug/L		07/05/16 13:37	07/06/16 12:45	1
m & p - Cresol	0.76	U	20	0.76	ug/L		07/05/16 13:37	07/06/16 12:45	1
2-Nitrophenol	0.81	U	10	0.81	ug/L		07/05/16 13:37	07/06/16 12:45	1

Client Sample Results

Client: ENTACT, LLC
Project/Site: E8077-Sheridan Superfund Site

TestAmerica Job ID: 560-62406-1

Client Sample ID: DUP

Lab Sample ID: 560-62406-5

Date Collected: 06/28/16 00:00
Date Received: 06/30/16 10:00

Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	1.7	U	10	1.7	ug/L		07/05/16 13:37	07/06/16 12:45	1
Pentachlorophenol	1.3	U	20	1.3	ug/L		07/05/16 13:37	07/06/16 12:45	1
Phenol	0.77	U	10	0.77	ug/L		07/05/16 13:37	07/06/16 12:45	1
2,4,6-Trichlorophenol	0.66	U	10	0.66	ug/L		07/05/16 13:37	07/06/16 12:45	1
2,4,5-Trichlorophenol	0.86	U	10	0.86	ug/L		07/05/16 13:37	07/06/16 12:45	1
bis (2-chloroisopropyl) ether	0.50	U	10	0.50	ug/L		07/05/16 13:37	07/06/16 12:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*70*		*27 - 130*	*07/05/16 13:37*	*07/06/16 12:45*	*1*
2-Fluorobiphenyl	*72*		*23 - 130*	*07/05/16 13:37*	*07/06/16 12:45*	*1*
Terphenyl-d14	*39*		*10 - 141*	*07/05/16 13:37*	*07/06/16 12:45*	*1*
Phenol-d5	*74*		*10 - 130*	*07/05/16 13:37*	*07/06/16 12:45*	*1*
2-Fluorophenol	*71*		*10 - 130*	*07/05/16 13:37*	*07/06/16 12:45*	*1*
2,4,6-Tribromophenol	*82*		*18 - 130*	*07/05/16 13:37*	*07/06/16 12:45*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0047	U	0.056	0.0047	ug/L		07/01/16 08:52	07/05/16 17:09	1
4,4'-DDE	0.0047	U	0.056	0.0047	ug/L		07/01/16 08:52	07/05/16 17:09	1
4,4'-DDT	0.0076	U	0.056	0.0076	ug/L		07/01/16 08:52	07/05/16 17:09	1
Aldrin	0.0047	U	0.056	0.0047	ug/L		07/01/16 08:52	07/05/16 17:09	1
alpha-BHC	0.0049	U	0.056	0.0049	ug/L		07/01/16 08:52	07/05/16 17:09	1
beta-BHC	0.0047	U	0.056	0.0047	ug/L		07/01/16 08:52	07/05/16 17:09	1
Chlordane (technical)	0.14	U	0.56	0.14	ug/L		07/01/16 08:52	07/05/16 17:09	1
delta-BHC	0.0047	U	0.056	0.0047	ug/L		07/01/16 08:52	07/05/16 17:09	1
Dieldrin	0.012	U	0.056	0.012	ug/L		07/01/16 08:52	07/05/16 17:09	1
Endosulfan I	0.0047	U	0.056	0.0047	ug/L		07/01/16 08:52	07/05/16 17:09	1
Endosulfan II	0.0080	U	0.056	0.0080	ug/L		07/01/16 08:52	07/05/16 17:09	1
Endosulfan sulfate	0.0082	U	0.056	0.0082	ug/L		07/01/16 08:52	07/05/16 17:09	1
Endrin	0.0072	U	0.056	0.0072	ug/L		07/01/16 08:52	07/05/16 17:09	1
Endrin aldehyde	0.0047	U	0.056	0.0047	ug/L		07/01/16 08:52	07/05/16 17:09	1
gamma-BHC (Lindane)	0.0042	U	0.056	0.0042	ug/L		07/01/16 08:52	07/05/16 17:09	1
Heptachlor	0.0061	U	0.056	0.0061	ug/L		07/01/16 08:52	07/05/16 17:09	1
Heptachlor epoxide	0.0049	U	0.056	0.0049	ug/L		07/01/16 08:52	07/05/16 17:09	1
Methoxychlor	0.0094	U	0.056	0.0094	ug/L		07/01/16 08:52	07/05/16 17:09	1
Toxaphene	0.64	U	5.6	0.64	ug/L		07/01/16 08:52	07/05/16 17:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*56*		*10 - 152*	*07/01/16 08:52*	*07/05/16 17:09*	*1*
Tetrachloro-m-xylene	*84*		*57 - 127*	*07/01/16 08:52*	*07/05/16 17:09*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.10	U	0.56	0.10	ug/L		07/01/16 08:52	07/05/16 13:47	1
PCB-1221	0.10	U	0.56	0.10	ug/L		07/01/16 08:52	07/05/16 13:47	1
PCB-1232	0.41	U	0.75	0.41	ug/L		07/01/16 08:52	07/05/16 13:47	1
PCB-1242	0.10	U	0.56	0.10	ug/L		07/01/16 08:52	07/05/16 13:47	1
PCB-1248	0.10	U	0.56	0.10	ug/L		07/01/16 08:52	07/05/16 13:47	1
PCB-1254	0.10	U	0.56	0.10	ug/L		07/01/16 08:52	07/05/16 13:47	1
PCB-1260	0.10	U	0.56	0.10	ug/L		07/01/16 08:52	07/05/16 13:47	1

Client Sample ID: DUP

Lab Sample ID: 560-62406-5

Date Collected: 06/28/16 00:00

Matrix: Water

Date Received: 06/30/16 10:00

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	0.10	U	0.56	0.10	ug/L		07/01/16 08:52	07/05/16 13:47	1
PCB-1268	0.10	U	0.56	0.10	ug/L		07/01/16 08:52	07/05/16 13:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*98*		*10 - 150*	*07/01/16 08:52*	*07/05/16 13:47*	*1*
Decachlorobiphenyl	*86*		*10 - 150*	*07/01/16 08:52*	*07/05/16 13:47*	*1*

Method: 6020 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	1.1	U	5.0	1.1	ug/L		07/01/16 08:29	07/01/16 15:21	1
Barium, Dissolved	**300**		5.0	0.81	ug/L		07/01/16 08:29	07/01/16 15:21	1
Cadmium, Dissolved	0.85	U	2.0	0.85	ug/L		07/01/16 08:29	07/01/16 15:21	1
Chromium, Dissolved	1.4	U	5.0	1.4	ug/L		07/01/16 08:29	07/01/16 15:21	1
Lead, Dissolved	0.73	U	5.0	0.73	ug/L		07/01/16 08:29	07/01/16 15:21	1
Nickel, Dissolved	2.2	U	5.0	2.2	ug/L		07/01/16 08:29	07/01/16 15:21	1
Selenium, Dissolved	**14**		5.0	1.1	ug/L		07/01/16 08:29	07/01/16 15:21	1
Silver, Dissolved	0.94	U	5.0	0.94	ug/L		07/01/16 08:29	07/01/16 15:21	1
Zinc, Dissolved	**18**	**J**	25	3.6	ug/L		07/01/16 08:29	07/01/16 15:21	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.00013	U	0.0020	0.00013	mg/L		07/01/16 14:48	07/01/16 15:26	1

Client Sample ID: MW-35

Lab Sample ID: 560-62406-6

Date Collected: 06/28/16 17:02

Matrix: Water

Date Received: 06/30/16 10:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**7.5**	**J**	10	5.0	ug/L			06/30/16 17:59	1
Benzene	0.33	U	1.0	0.33	ug/L			06/30/16 17:59	1
Bromodichloromethane	0.18	U	1.0	0.18	ug/L			06/30/16 17:59	1
Bromoform	0.50	U	5.0	0.50	ug/L			06/30/16 17:59	1
Bromomethane	0.39	U	5.0	0.39	ug/L			06/30/16 17:59	1
2-Butanone (MEK)	1.0	U	10	1.0	ug/L			06/30/16 17:59	1
Carbon disulfide	0.50	U	5.0	0.50	ug/L			06/30/16 17:59	1
Carbon tetrachloride	0.25	U	1.0	0.25	ug/L			06/30/16 17:59	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/30/16 17:59	1
Chlorodibromomethane	0.22	U	2.0	0.22	ug/L			06/30/16 17:59	1
Chloroethane	0.40	U	5.0	0.40	ug/L			06/30/16 17:59	1
Chloroform	0.17	U	1.0	0.17	ug/L			06/30/16 17:59	1
Chloromethane	0.39	U	5.0	0.39	ug/L			06/30/16 17:59	1
cis-1,3-Dichloropropene	0.15	U	1.0	0.15	ug/L			06/30/16 17:59	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/30/16 17:59	1
1,1-Dichloroethene	0.30	U	1.0	0.30	ug/L			06/30/16 17:59	1
1,2-Dichloropropane	0.17	U	1.0	0.17	ug/L			06/30/16 17:59	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			06/30/16 17:59	1
2-Hexanone	0.50	U	5.0	0.50	ug/L			06/30/16 17:59	1
Methylene Chloride	2.0	U	10	2.0	ug/L			06/30/16 17:59	1
4-Methyl-2-pentanone (MIBK)	0.51	U	5.0	0.51	ug/L			06/30/16 17:59	1

Client Sample ID: MW-35
Date Collected: 06/28/16 17:02
Date Received: 06/30/16 10:00

Lab Sample ID: 560-62406-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.20	U	1.0	0.20	ug/L			06/30/16 17:59	1
1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19	ug/L			06/30/16 17:59	1
Tetrachloroethene	0.19	U	1.0	0.19	ug/L			06/30/16 17:59	1
Toluene	0.50	U	1.0	0.50	ug/L			06/30/16 17:59	1
trans-1,2-Dichloroethene	0.20	U	1.0	0.20	ug/L			06/30/16 17:59	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			06/30/16 17:59	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			06/30/16 17:59	1
1,1,2-Trichloroethane	0.17	U	1.0	0.17	ug/L			06/30/16 17:59	1
Trichloroethene	0.32	U	1.0	0.32	ug/L			06/30/16 17:59	1
Vinyl acetate	0.50	U	5.0	0.50	ug/L			06/30/16 17:59	1
Vinyl chloride	0.30	U	1.0	0.30	ug/L			06/30/16 17:59	1
Xylenes, Total	0.20	U	2.0	0.20	ug/L			06/30/16 17:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*		*06/30/16 17:59*	*1*
Dibromofluoromethane (Surr)	*102*		*69 - 130*		*06/30/16 17:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 140*		*06/30/16 17:59*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*06/30/16 17:59*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.46	U	10	0.46	ug/L		07/05/16 13:37	07/06/16 13:10	1
Acenaphthylene	0.45	U	10	0.45	ug/L		07/05/16 13:37	07/06/16 13:10	1
Anthracene	0.70	U	10	0.70	ug/L		07/05/16 13:37	07/06/16 13:10	1
Benzo[a]anthracene	0.65	U	10	0.65	ug/L		07/05/16 13:37	07/06/16 13:10	1
Benzo[b]fluoranthene	0.91	U	10	0.91	ug/L		07/05/16 13:37	07/06/16 13:10	1
Benzo[k]fluoranthene	1.5	U	10	1.5	ug/L		07/05/16 13:37	07/06/16 13:10	1
Benzo[g,h,i]perylene	1.1	U	10	1.1	ug/L		07/05/16 13:37	07/06/16 13:10	1
Benzo[a]pyrene	0.74	U	10	0.74	ug/L		07/05/16 13:37	07/06/16 13:10	1
Benzyl alcohol	0.83	U	10	0.83	ug/L		07/05/16 13:37	07/06/16 13:10	1
Butyl benzyl phthalate	0.82	U	10	0.82	ug/L		07/05/16 13:37	07/06/16 13:10	1
Bis(2-chloroethoxy)methane	0.44	U	10	0.44	ug/L		07/05/16 13:37	07/06/16 13:10	1
Bis(2-chloroethyl)ether	1.6	U	10	1.6	ug/L		07/05/16 13:37	07/06/16 13:10	1
Bis(2-ethylhexyl) phthalate	5.0	U	20	5.0	ug/L		07/05/16 13:37	07/06/16 13:10	1
4-Bromophenyl phenyl ether	0.81	U	10	0.81	ug/L		07/05/16 13:37	07/06/16 13:10	1
p-Chloroaniline	0.55	U	10	0.55	ug/L		07/05/16 13:37	07/06/16 13:10	1
2-Chloronaphthalene	0.60	U	10	0.60	ug/L		07/05/16 13:37	07/06/16 13:10	1
4-Chlorophenyl phenyl ether	0.53	U	10	0.53	ug/L		07/05/16 13:37	07/06/16 13:10	1
Chrysene	0.49	U	10	0.49	ug/L		07/05/16 13:37	07/06/16 13:10	1
Dibenz(a,h)anthracene	0.87	U	10	0.87	ug/L		07/05/16 13:37	07/06/16 13:10	1
1,2-Dichlorobenzene	0.78	U	10	0.78	ug/L		07/05/16 13:37	07/06/16 13:10	1
1,3-Dichlorobenzene	0.49	U	10	0.49	ug/L		07/05/16 13:37	07/06/16 13:10	1
1,4-Dichlorobenzene	0.82	U	10	0.82	ug/L		07/05/16 13:37	07/06/16 13:10	1
3,3'-Dichlorobenzidine	0.79	U	10	0.79	ug/L		07/05/16 13:37	07/06/16 13:10	1
Diethyl phthalate	0.67	U	10	0.67	ug/L		07/05/16 13:37	07/06/16 13:10	1
Dimethyl phthalate	0.59	U	10	0.59	ug/L		07/05/16 13:37	07/06/16 13:10	1
Di-n-butyl phthalate	0.71	U	10	0.71	ug/L		07/05/16 13:37	07/06/16 13:10	1
Di-n-octyl phthalate	1.1	U	10	1.1	ug/L		07/05/16 13:37	07/06/16 13:10	1
2,4-Dinitrotoluene	0.51	U	20	0.51	ug/L		07/05/16 13:37	07/06/16 13:10	1
2,6-Dinitrotoluene	0.76	U	10	0.76	ug/L		07/05/16 13:37	07/06/16 13:10	1

Client Sample ID: MW-35
Date Collected: 06/28/16 17:02
Date Received: 06/30/16 10:00

Lab Sample ID: 560-62406-6
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	0.50	U	10	0.50	ug/L		07/05/16 13:37	07/06/16 13:10	1
Fluorene	0.42	U	10	0.42	ug/L		07/05/16 13:37	07/06/16 13:10	1
Hexachlorobenzene	0.60	U	10	0.60	ug/L		07/05/16 13:37	07/06/16 13:10	1
Hexachlorobutadiene	0.72	U	10	0.72	ug/L		07/05/16 13:37	07/06/16 13:10	1
Hexachlorocyclopentadiene	0.84	U	10	0.84	ug/L		07/05/16 13:37	07/06/16 13:10	1
Hexachloroethane	0.59	U	10	0.59	ug/L		07/05/16 13:37	07/06/16 13:10	1
Indeno[1,2,3-cd]pyrene	0.92	U	10	0.92	ug/L		07/05/16 13:37	07/06/16 13:10	1
2-Methylnaphthalene	0.70	U	10	0.70	ug/L		07/05/16 13:37	07/06/16 13:10	1
2-Nitroaniline	0.77	U	10	0.77	ug/L		07/05/16 13:37	07/06/16 13:10	1
3-Nitroaniline	0.51	U	10	0.51	ug/L		07/05/16 13:37	07/06/16 13:10	1
4-Nitroaniline	0.82	U	10	0.82	ug/L		07/05/16 13:37	07/06/16 13:10	1
Naphthalene	0.79	U	10	0.79	ug/L		07/05/16 13:37	07/06/16 13:10	1
Nitrobenzene	0.59	U	10	0.59	ug/L		07/05/16 13:37	07/06/16 13:10	1
N-Nitrosodimethylamine	1.4	U	10	1.4	ug/L		07/05/16 13:37	07/06/16 13:10	1
N-Nitrosodi-n-propylamine	0.62	U	10	0.62	ug/L		07/05/16 13:37	07/06/16 13:10	1
N-Nitrosodiphenylamine	1.0	U	10	1.0	ug/L		07/05/16 13:37	07/06/16 13:10	1
Phenanthrene	0.59	U	10	0.59	ug/L		07/05/16 13:37	07/06/16 13:10	1
Pyrene	0.44	U	10	0.44	ug/L		07/05/16 13:37	07/06/16 13:10	1
1,2,4-Trichlorobenzene	0.65	U	10	0.65	ug/L		07/05/16 13:37	07/06/16 13:10	1
Benzoic acid	0.83	U	50	0.83	ug/L		07/05/16 13:37	07/06/16 13:10	1
p-Chloro-m-cresol	0.59	U	10	0.59	ug/L		07/05/16 13:37	07/06/16 13:10	1
2-Chlorophenol	0.73	U	10	0.73	ug/L		07/05/16 13:37	07/06/16 13:10	1
2,4-Dichlorophenol	0.70	U	10	0.70	ug/L		07/05/16 13:37	07/06/16 13:10	1
2,4-Dimethylphenol	0.59	U	10	0.59	ug/L		07/05/16 13:37	07/06/16 13:10	1
2,4-Dinitrophenol	2.7	U	20	2.7	ug/L		07/05/16 13:37	07/06/16 13:10	1
4,6-Dinitro-2-methylphenol	0.96	U	10	0.96	ug/L		07/05/16 13:37	07/06/16 13:10	1
m & p - Cresol	0.76	U	20	0.76	ug/L		07/05/16 13:37	07/06/16 13:10	1
2-Nitrophenol	0.81	U	10	0.81	ug/L		07/05/16 13:37	07/06/16 13:10	1
4-Nitrophenol	1.7	U	10	1.7	ug/L		07/05/16 13:37	07/06/16 13:10	1
Pentachlorophenol	1.3	U	20	1.3	ug/L		07/05/16 13:37	07/06/16 13:10	1
Phenol	0.77	U	10	0.77	ug/L		07/05/16 13:37	07/06/16 13:10	1
2,4,6-Trichlorophenol	0.66	U	10	0.66	ug/L		07/05/16 13:37	07/06/16 13:10	1
2,4,5-Trichlorophenol	0.86	U	10	0.86	ug/L		07/05/16 13:37	07/06/16 13:10	1
bis (2-chloroisopropyl) ether	0.50	U	10	0.50	ug/L		07/05/16 13:37	07/06/16 13:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*63*		*27 - 130*	*07/05/16 13:37*	*07/06/16 13:10*	*1*
2-Fluorobiphenyl	*65*		*23 - 130*	*07/05/16 13:37*	*07/06/16 13:10*	*1*
Terphenyl-d14	*73*		*10 - 141*	*07/05/16 13:37*	*07/06/16 13:10*	*1*
Phenol-d5	*67*		*10 - 130*	*07/05/16 13:37*	*07/06/16 13:10*	*1*
2-Fluorophenol	*64*		*10 - 130*	*07/05/16 13:37*	*07/06/16 13:10*	*1*
2,4,6-Tribromophenol	*76*		*18 - 130*	*07/05/16 13:37*	*07/06/16 13:10*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0046	U	0.056	0.0046	ug/L		07/01/16 08:52	07/05/16 17:34	1
4,4'-DDE	0.0046	U	0.056	0.0046	ug/L		07/01/16 08:52	07/05/16 17:34	1
4,4'-DDT	0.0075	U	0.056	0.0075	ug/L		07/01/16 08:52	07/05/16 17:34	1
Aldrin	0.0046	U	0.056	0.0046	ug/L		07/01/16 08:52	07/05/16 17:34	1
alpha-BHC	0.0048	U	0.056	0.0048	ug/L		07/01/16 08:52	07/05/16 17:34	1

Client Sample Results

Client: ENTACT, LLC
Project/Site: E8077-Sheridan Superfund Site

TestAmerica Job ID: 560-62406-1

Client Sample ID: MW-35
Date Collected: 06/28/16 17:02
Date Received: 06/30/16 10:00

Lab Sample ID: 560-62406-6
Matrix: Water

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	0.0046	U	0.056	0.0046	ug/L		07/01/16 08:52	07/05/16 17:34	1
Chlordane (technical)	0.14	U	0.56	0.14	ug/L		07/01/16 08:52	07/05/16 17:34	1
delta-BHC	0.0046	U	0.056	0.0046	ug/L		07/01/16 08:52	07/05/16 17:34	1
Dieldrin	0.012	U	0.056	0.012	ug/L		07/01/16 08:52	07/05/16 17:34	1
Endosulfan I	0.0046	U	0.056	0.0046	ug/L		07/01/16 08:52	07/05/16 17:34	1
Endosulfan II	0.0080	U	0.056	0.0080	ug/L		07/01/16 08:52	07/05/16 17:34	1
Endosulfan sulfate	0.0082	U	0.056	0.0082	ug/L		07/01/16 08:52	07/05/16 17:34	1
Endrin	0.0071	U	0.056	0.0071	ug/L		07/01/16 08:52	07/05/16 17:34	1
Endrin aldehyde	0.0046	U	0.056	0.0046	ug/L		07/01/16 08:52	07/05/16 17:34	1
gamma-BHC (Lindane)	0.0042	U	0.056	0.0042	ug/L		07/01/16 08:52	07/05/16 17:34	1
Heptachlor	0.0060	U	0.056	0.0060	ug/L		07/01/16 08:52	07/05/16 17:34	1
Heptachlor epoxide	0.0048	U	0.056	0.0048	ug/L		07/01/16 08:52	07/05/16 17:34	1
Methoxychlor	0.0093	U	0.056	0.0093	ug/L		07/01/16 08:52	07/05/16 17:34	1
Toxaphene	0.63	U	5.6	0.63	ug/L		07/01/16 08:52	07/05/16 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*58*		*10 - 152*	*07/01/16 08:52*	*07/05/16 17:34*	*1*
Tetrachloro-m-xylene	*84*		*57 - 127*	*07/01/16 08:52*	*07/05/16 17:34*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.10	U	0.56	0.10	ug/L		07/01/16 08:52	07/05/16 14:04	1
PCB-1221	0.10	U	0.56	0.10	ug/L		07/01/16 08:52	07/05/16 14:04	1
PCB-1232	0.41	U	0.74	0.41	ug/L		07/01/16 08:52	07/05/16 14:04	1
PCB-1242	0.10	U	0.56	0.10	ug/L		07/01/16 08:52	07/05/16 14:04	1
PCB-1248	0.10	U	0.56	0.10	ug/L		07/01/16 08:52	07/05/16 14:04	1
PCB-1254	0.10	U	0.56	0.10	ug/L		07/01/16 08:52	07/05/16 14:04	1
PCB-1260	0.10	U	0.56	0.10	ug/L		07/01/16 08:52	07/05/16 14:04	1
PCB-1262	0.10	U	0.56	0.10	ug/L		07/01/16 08:52	07/05/16 14:04	1
PCB-1268	0.10	U	0.56	0.10	ug/L		07/01/16 08:52	07/05/16 14:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*94*		*10 - 150*	*07/01/16 08:52*	*07/05/16 14:04*	*1*
Decachlorobiphenyl	*81*		*10 - 150*	*07/01/16 08:52*	*07/05/16 14:04*	*1*

Method: 6020 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	1.1	U	5.0	1.1	ug/L		07/01/16 08:29	07/01/16 15:26	1
Barium, Dissolved	**87**		5.0	0.81	ug/L		07/01/16 08:29	07/01/16 15:26	1
Cadmium, Dissolved	0.85	U	2.0	0.85	ug/L		07/01/16 08:29	07/01/16 15:26	1
Chromium, Dissolved	1.4	U	5.0	1.4	ug/L		07/01/16 08:29	07/01/16 15:26	1
Lead, Dissolved	0.73	U	5.0	0.73	ug/L		07/01/16 08:29	07/01/16 15:26	1
Nickel, Dissolved	2.2	U	5.0	2.2	ug/L		07/01/16 08:29	07/01/16 15:26	1
Selenium, Dissolved	1.1	U	5.0	1.1	ug/L		07/01/16 08:29	07/01/16 15:26	1
Silver, Dissolved	0.94	U	5.0	0.94	ug/L		07/01/16 08:29	07/01/16 15:26	1
Zinc, Dissolved	3.6	U	25	3.6	ug/L		07/01/16 08:29	07/01/16 15:26	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.00013	U	0.0020	0.00013	mg/L		07/01/16 14:48	07/01/16 15:29	1

Client Sample Results

Client: ENTACT, LLC
Project/Site: E8077-Sheridan Superfund Site

TestAmerica Job ID: 560-62406-1

Client Sample ID: MW-37

Date Collected: 06/28/16 18:18
Date Received: 06/30/16 10:00

Lab Sample ID: 560-62406-7
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.0	U	10	5.0	ug/L			06/30/16 18:24	1
Benzene	0.33	U	1.0	0.33	ug/L			06/30/16 18:24	1
Bromodichloromethane	0.18	U	1.0	0.18	ug/L			06/30/16 18:24	1
Bromoform	0.50	U	5.0	0.50	ug/L			06/30/16 18:24	1
Bromomethane	0.39	U	5.0	0.39	ug/L			06/30/16 18:24	1
2-Butanone (MEK)	1.0	U	10	1.0	ug/L			06/30/16 18:24	1
Carbon disulfide	0.50	U	5.0	0.50	ug/L			06/30/16 18:24	1
Carbon tetrachloride	0.25	U	1.0	0.25	ug/L			06/30/16 18:24	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/30/16 18:24	1
Chlorodibromomethane	0.22	U	2.0	0.22	ug/L			06/30/16 18:24	1
Chloroethane	0.40	U	5.0	0.40	ug/L			06/30/16 18:24	1
Chloroform	0.17	U	1.0	0.17	ug/L			06/30/16 18:24	1
Chloromethane	0.39	U	5.0	0.39	ug/L			06/30/16 18:24	1
cis-1,3-Dichloropropene	0.15	U	1.0	0.15	ug/L			06/30/16 18:24	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/30/16 18:24	1
1,1-Dichloroethene	0.30	U	1.0	0.30	ug/L			06/30/16 18:24	1
1,2-Dichloropropane	0.17	U	1.0	0.17	ug/L			06/30/16 18:24	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			06/30/16 18:24	1
2-Hexanone	0.50	U	5.0	0.50	ug/L			06/30/16 18:24	1
Methylene Chloride	2.0	U	10	2.0	ug/L			06/30/16 18:24	1
4-Methyl-2-pentanone (MIBK)	0.51	U	5.0	0.51	ug/L			06/30/16 18:24	1
Styrene	0.20	U	1.0	0.20	ug/L			06/30/16 18:24	1
1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19	ug/L			06/30/16 18:24	1
Tetrachloroethene	**13**		1.0	0.19	ug/L			06/30/16 18:24	1
Toluene	0.50	U	1.0	0.50	ug/L			06/30/16 18:24	1
trans-1,2-Dichloroethene	**11**		1.0	0.20	ug/L			06/30/16 18:24	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			06/30/16 18:24	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			06/30/16 18:24	1
1,1,2-Trichloroethane	0.17	U	1.0	0.17	ug/L			06/30/16 18:24	1
Trichloroethene	**44**		1.0	0.32	ug/L			06/30/16 18:24	1
Vinyl acetate	0.50	U	5.0	0.50	ug/L			06/30/16 18:24	1
Vinyl chloride	**3.0**		1.0	0.30	ug/L			06/30/16 18:24	1
Xylenes, Total	0.20	U	2.0	0.20	ug/L			06/30/16 18:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*06/30/16 18:24*	*1*
Dibromofluoromethane (Surr)	*97*		*69 - 130*		*06/30/16 18:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 140*		*06/30/16 18:24*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*06/30/16 18:24*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.46	U	10	0.46	ug/L		07/05/16 13:37	07/06/16 13:36	1
Acenaphthylene	0.45	U	10	0.45	ug/L		07/05/16 13:37	07/06/16 13:36	1
Anthracene	0.70	U	10	0.70	ug/L		07/05/16 13:37	07/06/16 13:36	1
Benzo[a]anthracene	0.65	U	10	0.65	ug/L		07/05/16 13:37	07/06/16 13:36	1
Benzo[b]fluoranthene	0.91	U	10	0.91	ug/L		07/05/16 13:37	07/06/16 13:36	1
Benzo[k]fluoranthene	1.5	U	10	1.5	ug/L		07/05/16 13:37	07/06/16 13:36	1
Benzo[g,h,i]perylene	1.1	U	10	1.1	ug/L		07/05/16 13:37	07/06/16 13:36	1
Benzo[a]pyrene	0.74	U	10	0.74	ug/L		07/05/16 13:37	07/06/16 13:36	1

Client Sample ID: MW-37
Date Collected: 06/28/16 18:18
Date Received: 06/30/16 10:00

Lab Sample ID: 560-62406-7
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl alcohol	0.83	U	10	0.83	ug/L		07/05/16 13:37	07/06/16 13:36	1
Butyl benzyl phthalate	0.82	U	10	0.82	ug/L		07/05/16 13:37	07/06/16 13:36	1
Bis(2-chloroethoxy)methane	0.44	U	10	0.44	ug/L		07/05/16 13:37	07/06/16 13:36	1
Bis(2-chloroethyl)ether	1.6	U	10	1.6	ug/L		07/05/16 13:37	07/06/16 13:36	1
Bis(2-ethylhexyl) phthalate	5.0	U	20	5.0	ug/L		07/05/16 13:37	07/06/16 13:36	1
4-Bromophenyl phenyl ether	0.81	U	10	0.81	ug/L		07/05/16 13:37	07/06/16 13:36	1
p-Chloroaniline	0.55	U	10	0.55	ug/L		07/05/16 13:37	07/06/16 13:36	1
2-Chloronaphthalene	0.60	U	10	0.60	ug/L		07/05/16 13:37	07/06/16 13:36	1
4-Chlorophenyl phenyl ether	0.53	U	10	0.53	ug/L		07/05/16 13:37	07/06/16 13:36	1
Chrysene	0.49	U	10	0.49	ug/L		07/05/16 13:37	07/06/16 13:36	1
Dibenz(a,h)anthracene	0.87	U	10	0.87	ug/L		07/05/16 13:37	07/06/16 13:36	1
1,2-Dichlorobenzene	0.78	U	10	0.78	ug/L		07/05/16 13:37	07/06/16 13:36	1
1,3-Dichlorobenzene	0.49	U	10	0.49	ug/L		07/05/16 13:37	07/06/16 13:36	1
1,4-Dichlorobenzene	0.82	U	10	0.82	ug/L		07/05/16 13:37	07/06/16 13:36	1
3,3'-Dichlorobenzidine	0.79	U	10	0.79	ug/L		07/05/16 13:37	07/06/16 13:36	1
Diethyl phthalate	0.67	U	10	0.67	ug/L		07/05/16 13:37	07/06/16 13:36	1
Dimethyl phthalate	0.59	U	10	0.59	ug/L		07/05/16 13:37	07/06/16 13:36	1
Di-n-butyl phthalate	0.71	U	10	0.71	ug/L		07/05/16 13:37	07/06/16 13:36	1
Di-n-octyl phthalate	1.1	U	10	1.1	ug/L		07/05/16 13:37	07/06/16 13:36	1
2,4-Dinitrotoluene	0.51	U	20	0.51	ug/L		07/05/16 13:37	07/06/16 13:36	1
2,6-Dinitrotoluene	0.76	U	10	0.76	ug/L		07/05/16 13:37	07/06/16 13:36	1
Fluoranthene	0.50	U	10	0.50	ug/L		07/05/16 13:37	07/06/16 13:36	1
Fluorene	0.42	U	10	0.42	ug/L		07/05/16 13:37	07/06/16 13:36	1
Hexachlorobenzene	0.60	U	10	0.60	ug/L		07/05/16 13:37	07/06/16 13:36	1
Hexachlorobutadiene	0.72	U	10	0.72	ug/L		07/05/16 13:37	07/06/16 13:36	1
Hexachlorocyclopentadiene	0.84	U	10	0.84	ug/L		07/05/16 13:37	07/06/16 13:36	1
Hexachloroethane	0.59	U	10	0.59	ug/L		07/05/16 13:37	07/06/16 13:36	1
Indeno[1,2,3-cd]pyrene	0.92	U	10	0.92	ug/L		07/05/16 13:37	07/06/16 13:36	1
2-Methylnaphthalene	0.70	U	10	0.70	ug/L		07/05/16 13:37	07/06/16 13:36	1
2-Nitroaniline	0.77	U	10	0.77	ug/L		07/05/16 13:37	07/06/16 13:36	1
3-Nitroaniline	0.51	U	10	0.51	ug/L		07/05/16 13:37	07/06/16 13:36	1
4-Nitroaniline	0.82	U	10	0.82	ug/L		07/05/16 13:37	07/06/16 13:36	1
Naphthalene	0.79	U	10	0.79	ug/L		07/05/16 13:37	07/06/16 13:36	1
Nitrobenzene	0.59	U	10	0.59	ug/L		07/05/16 13:37	07/06/16 13:36	1
N-Nitrosodimethylamine	1.4	U	10	1.4	ug/L		07/05/16 13:37	07/06/16 13:36	1
N-Nitrosodi-n-propylamine	0.62	U	10	0.62	ug/L		07/05/16 13:37	07/06/16 13:36	1
N-Nitrosodiphenylamine	1.0	U	10	1.0	ug/L		07/05/16 13:37	07/06/16 13:36	1
Phenanthrene	0.59	U	10	0.59	ug/L		07/05/16 13:37	07/06/16 13:36	1
Pyrene	0.44	U	10	0.44	ug/L		07/05/16 13:37	07/06/16 13:36	1
1,2,4-Trichlorobenzene	0.65	U	10	0.65	ug/L		07/05/16 13:37	07/06/16 13:36	1
Benzoic acid	0.83	U	50	0.83	ug/L		07/05/16 13:37	07/06/16 13:36	1
p-Chloro-m-cresol	0.59	U	10	0.59	ug/L		07/05/16 13:37	07/06/16 13:36	1
2-Chlorophenol	0.73	U	10	0.73	ug/L		07/05/16 13:37	07/06/16 13:36	1
2,4-Dichlorophenol	0.70	U	10	0.70	ug/L		07/05/16 13:37	07/06/16 13:36	1
2,4-Dimethylphenol	0.59	U	10	0.59	ug/L		07/05/16 13:37	07/06/16 13:36	1
2,4-Dinitrophenol	2.7	U	20	2.7	ug/L		07/05/16 13:37	07/06/16 13:36	1
4,6-Dinitro-2-methylphenol	0.96	U	10	0.96	ug/L		07/05/16 13:37	07/06/16 13:36	1
m & p - Cresol	0.76	U	20	0.76	ug/L		07/05/16 13:37	07/06/16 13:36	1
2-Nitrophenol	0.81	U	10	0.81	ug/L		07/05/16 13:37	07/06/16 13:36	1

Client Sample Results

Client: ENTACT, LLC
Project/Site: E8077-Sheridan Superfund Site

TestAmerica Job ID: 560-62406-1

Client Sample ID: MW-37

Date Collected: 06/28/16 18:18
Date Received: 06/30/16 10:00

Lab Sample ID: 560-62406-7
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	1.7	U	10	1.7	ug/L		07/05/16 13:37	07/06/16 13:36	1
Pentachlorophenol	1.3	U	20	1.3	ug/L		07/05/16 13:37	07/06/16 13:36	1
Phenol	0.77	U	10	0.77	ug/L		07/05/16 13:37	07/06/16 13:36	1
2,4,6-Trichlorophenol	0.66	U	10	0.66	ug/L		07/05/16 13:37	07/06/16 13:36	1
2,4,5-Trichlorophenol	0.86	U	10	0.86	ug/L		07/05/16 13:37	07/06/16 13:36	1
bis (2-chloroisopropyl) ether	0.50	U	10	0.50	ug/L		07/05/16 13:37	07/06/16 13:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*67*		*27 - 130*	*07/05/16 13:37*	*07/06/16 13:36*	*1*
2-Fluorobiphenyl	*70*		*23 - 130*	*07/05/16 13:37*	*07/06/16 13:36*	*1*
Terphenyl-d14	*44*		*10 - 141*	*07/05/16 13:37*	*07/06/16 13:36*	*1*
Phenol-d5	*70*		*10 - 130*	*07/05/16 13:37*	*07/06/16 13:36*	*1*
2-Fluorophenol	*67*		*10 - 130*	*07/05/16 13:37*	*07/06/16 13:36*	*1*
2,4,6-Tribromophenol	*80*		*18 - 130*	*07/05/16 13:37*	*07/06/16 13:36*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0047	U	0.056	0.0047	ug/L		07/01/16 08:52	07/05/16 18:00	1
4,4'-DDE	0.0047	U	0.056	0.0047	ug/L		07/01/16 08:52	07/05/16 18:00	1
4,4'-DDT	0.0076	U	0.056	0.0076	ug/L		07/01/16 08:52	07/05/16 18:00	1
Aldrin	0.0047	U	0.056	0.0047	ug/L		07/01/16 08:52	07/05/16 18:00	1
alpha-BHC	0.0049	U	0.056	0.0049	ug/L		07/01/16 08:52	07/05/16 18:00	1
beta-BHC	0.0047	U	0.056	0.0047	ug/L		07/01/16 08:52	07/05/16 18:00	1
Chlordane (technical)	0.14	U	0.56	0.14	ug/L		07/01/16 08:52	07/05/16 18:00	1
delta-BHC	0.0047	U	0.056	0.0047	ug/L		07/01/16 08:52	07/05/16 18:00	1
Dieldrin	0.012	U	0.056	0.012	ug/L		07/01/16 08:52	07/05/16 18:00	1
Endosulfan I	0.0047	U	0.056	0.0047	ug/L		07/01/16 08:52	07/05/16 18:00	1
Endosulfan II	0.0080	U	0.056	0.0080	ug/L		07/01/16 08:52	07/05/16 18:00	1
Endosulfan sulfate	0.0082	U	0.056	0.0082	ug/L		07/01/16 08:52	07/05/16 18:00	1
Endrin	0.0072	U	0.056	0.0072	ug/L		07/01/16 08:52	07/05/16 18:00	1
Endrin aldehyde	0.0047	U	0.056	0.0047	ug/L		07/01/16 08:52	07/05/16 18:00	1
gamma-BHC (Lindane)	0.0042	U	0.056	0.0042	ug/L		07/01/16 08:52	07/05/16 18:00	1
Heptachlor	0.0061	U	0.056	0.0061	ug/L		07/01/16 08:52	07/05/16 18:00	1
Heptachlor epoxide	0.0049	U	0.056	0.0049	ug/L		07/01/16 08:52	07/05/16 18:00	1
Methoxychlor	0.0094	U	0.056	0.0094	ug/L		07/01/16 08:52	07/05/16 18:00	1
Toxaphene	0.64	U	5.6	0.64	ug/L		07/01/16 08:52	07/05/16 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*49*		*10 - 152*	*07/01/16 08:52*	*07/05/16 18:00*	*1*
Tetrachloro-m-xylene	*81*		*57 - 127*	*07/01/16 08:52*	*07/05/16 18:00*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.10	U	0.56	0.10	ug/L		07/01/16 08:52	07/05/16 14:22	1
PCB-1221	0.10	U	0.56	0.10	ug/L		07/01/16 08:52	07/05/16 14:22	1
PCB-1232	0.41	U	0.75	0.41	ug/L		07/01/16 08:52	07/05/16 14:22	1
PCB-1242	0.10	U	0.56	0.10	ug/L		07/01/16 08:52	07/05/16 14:22	1
PCB-1248	0.10	U	0.56	0.10	ug/L		07/01/16 08:52	07/05/16 14:22	1
PCB-1254	0.10	U	0.56	0.10	ug/L		07/01/16 08:52	07/05/16 14:22	1
PCB-1260	0.10	U	0.56	0.10	ug/L		07/01/16 08:52	07/05/16 14:22	1

Client Sample ID: MW-37

Lab Sample ID: 560-62406-7

Date Collected: 06/28/16 18:18

Matrix: Water

Date Received: 06/30/16 10:00

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	0.10	U	0.56	0.10	ug/L		07/01/16 08:52	07/05/16 14:22	1
PCB-1268	0.10	U	0.56	0.10	ug/L		07/01/16 08:52	07/05/16 14:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*124*		*10 - 150*	*07/01/16 08:52*	*07/05/16 14:22*	*1*
Decachlorobiphenyl	*70*		*10 - 150*	*07/01/16 08:52*	*07/05/16 14:22*	*1*

Method: 6020 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**1.2**	**J**	5.0	1.1	ug/L		07/01/16 08:29	07/01/16 15:32	1
Barium, Dissolved	**500**		5.0	0.81	ug/L		07/01/16 08:29	07/01/16 15:32	1
Cadmium, Dissolved	0.85	U	2.0	0.85	ug/L		07/01/16 08:29	07/01/16 15:32	1
Chromium, Dissolved	1.4	U	5.0	1.4	ug/L		07/01/16 08:29	07/01/16 15:32	1
Lead, Dissolved	0.73	U	5.0	0.73	ug/L		07/01/16 08:29	07/01/16 15:32	1
Nickel, Dissolved	2.2	U	5.0	2.2	ug/L		07/01/16 08:29	07/01/16 15:32	1
Selenium, Dissolved	**22**		5.0	1.1	ug/L		07/01/16 08:29	07/01/16 15:32	1
Silver, Dissolved	0.94	U	5.0	0.94	ug/L		07/01/16 08:29	07/01/16 15:32	1
Zinc, Dissolved	**27**		25	3.6	ug/L		07/01/16 08:29	07/01/16 15:32	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.00013	U	0.0020	0.00013	mg/L		07/01/16 14:48	07/01/16 15:31	1

Client Sample ID: TRIP BLANK

Lab Sample ID: 560-62406-8

Date Collected: 06/28/16 00:00

Matrix: Water

Date Received: 06/30/16 10:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.0	U	10	5.0	ug/L			06/30/16 15:53	1
Benzene	0.33	U	1.0	0.33	ug/L			06/30/16 15:53	1
Bromodichloromethane	0.18	U	1.0	0.18	ug/L			06/30/16 15:53	1
Bromoform	0.50	U	5.0	0.50	ug/L			06/30/16 15:53	1
Bromomethane	0.39	U	5.0	0.39	ug/L			06/30/16 15:53	1
2-Butanone (MEK)	1.0	U	10	1.0	ug/L			06/30/16 15:53	1
Carbon disulfide	0.50	U	5.0	0.50	ug/L			06/30/16 15:53	1
Carbon tetrachloride	0.25	U	1.0	0.25	ug/L			06/30/16 15:53	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/30/16 15:53	1
Chlorodibromomethane	0.22	U	2.0	0.22	ug/L			06/30/16 15:53	1
Chloroethane	0.40	U	5.0	0.40	ug/L			06/30/16 15:53	1
Chloroform	0.17	U	1.0	0.17	ug/L			06/30/16 15:53	1
Chloromethane	0.39	U	5.0	0.39	ug/L			06/30/16 15:53	1
cis-1,3-Dichloropropene	0.15	U	1.0	0.15	ug/L			06/30/16 15:53	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/30/16 15:53	1
1,1-Dichloroethene	0.30	U	1.0	0.30	ug/L			06/30/16 15:53	1
1,2-Dichloropropane	0.17	U	1.0	0.17	ug/L			06/30/16 15:53	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			06/30/16 15:53	1
2-Hexanone	0.50	U	5.0	0.50	ug/L			06/30/16 15:53	1
Methylene Chloride	2.0	U	10	2.0	ug/L			06/30/16 15:53	1
4-Methyl-2-pentanone (MIBK)	0.51	U	5.0	0.51	ug/L			06/30/16 15:53	1

Client Sample Results

Client: ENTACT, LLC
Project/Site: E8077-Sheridan Superfund Site

TestAmerica Job ID: 560-62406-1

Client Sample ID: TRIP BLANK
Date Collected: 06/28/16 00:00
Date Received: 06/30/16 10:00

Lab Sample ID: 560-62406-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.20	U	1.0	0.20	ug/L			06/30/16 15:53	1
1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19	ug/L			06/30/16 15:53	1
Tetrachloroethene	0.19	U	1.0	0.19	ug/L			06/30/16 15:53	1
Toluene	0.50	U	1.0	0.50	ug/L			06/30/16 15:53	1
trans-1,2-Dichloroethene	0.20	U	1.0	0.20	ug/L			06/30/16 15:53	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			06/30/16 15:53	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			06/30/16 15:53	1
1,1,2-Trichloroethane	0.17	U	1.0	0.17	ug/L			06/30/16 15:53	1
Trichloroethene	0.32	U	1.0	0.32	ug/L			06/30/16 15:53	1
Vinyl acetate	0.50	U	5.0	0.50	ug/L			06/30/16 15:53	1
Vinyl chloride	0.30	U	1.0	0.30	ug/L			06/30/16 15:53	1
Xylenes, Total	0.20	U	2.0	0.20	ug/L			06/30/16 15:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*		*06/30/16 15:53*	*1*
Dibromofluoromethane (Surr)	*102*		*69 - 130*		*06/30/16 15:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 140*		*06/30/16 15:53*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*06/30/16 15:53*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 560-129464/6
Matrix: Water
Analysis Batch: 129464

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.0	U	10	5.0	ug/L			06/30/16 14:37	1
Benzene	0.33	U	1.0	0.33	ug/L			06/30/16 14:37	1
Bromodichloromethane	0.18	U	1.0	0.18	ug/L			06/30/16 14:37	1
Bromoform	0.50	U	5.0	0.50	ug/L			06/30/16 14:37	1
Bromomethane	0.39	U	5.0	0.39	ug/L			06/30/16 14:37	1
2-Butanone (MEK)	1.0	U	10	1.0	ug/L			06/30/16 14:37	1
Carbon disulfide	0.50	U	5.0	0.50	ug/L			06/30/16 14:37	1
Carbon tetrachloride	0.25	U	1.0	0.25	ug/L			06/30/16 14:37	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/30/16 14:37	1
Chlorodibromomethane	0.22	U	2.0	0.22	ug/L			06/30/16 14:37	1
Chloroethane	0.40	U	5.0	0.40	ug/L			06/30/16 14:37	1
Chloroform	0.17	U	1.0	0.17	ug/L			06/30/16 14:37	1
Chloromethane	0.39	U	5.0	0.39	ug/L			06/30/16 14:37	1
cis-1,3-Dichloropropene	0.15	U	1.0	0.15	ug/L			06/30/16 14:37	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/30/16 14:37	1
1,1-Dichloroethene	0.30	U	1.0	0.30	ug/L			06/30/16 14:37	1
1,2-Dichloropropane	0.17	U	1.0	0.17	ug/L			06/30/16 14:37	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			06/30/16 14:37	1
2-Hexanone	0.50	U	5.0	0.50	ug/L			06/30/16 14:37	1
Methylene Chloride	2.0	U	10	2.0	ug/L			06/30/16 14:37	1
4-Methyl-2-pentanone (MIBK)	0.51	U	5.0	0.51	ug/L			06/30/16 14:37	1
Styrene	0.20	U	1.0	0.20	ug/L			06/30/16 14:37	1
1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19	ug/L			06/30/16 14:37	1
Tetrachloroethene	0.19	U	1.0	0.19	ug/L			06/30/16 14:37	1
Toluene	0.50	U	1.0	0.50	ug/L			06/30/16 14:37	1
trans-1,2-Dichloroethene	0.20	U	1.0	0.20	ug/L			06/30/16 14:37	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			06/30/16 14:37	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			06/30/16 14:37	1
1,1,2-Trichloroethane	0.17	U	1.0	0.17	ug/L			06/30/16 14:37	1
Trichloroethene	0.32	U	1.0	0.32	ug/L			06/30/16 14:37	1
Vinyl acetate	0.50	U	5.0	0.50	ug/L			06/30/16 14:37	1
Vinyl chloride	0.30	U	1.0	0.30	ug/L			06/30/16 14:37	1
Xylenes, Total	0.20	U	2.0	0.20	ug/L			06/30/16 14:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*		*06/30/16 14:37*	*1*
Dibromofluoromethane (Surr)	*98*		*69 - 130*		*06/30/16 14:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 140*		*06/30/16 14:37*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*06/30/16 14:37*	*1*

Lab Sample ID: LCS 560-129464/3
Matrix: Water
Analysis Batch: 129464

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	25.0	21.0		ug/L		84	60 - 150
Benzene	25.0	25.5		ug/L		102	70 - 130
Bromodichloromethane	25.0	27.7		ug/L		111	70 - 130

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

Lab Sample ID: LCS 560-129464/3
Matrix: Water
Analysis Batch: 129464

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromoform	25.0	27.4		ug/L		110	63 - 145
Bromomethane	25.0	24.5		ug/L		98	50 - 146
2-Butanone (MEK)	25.0	23.0		ug/L		92	68 - 144
Carbon disulfide	25.0	27.0		ug/L		108	52 - 156
Carbon tetrachloride	25.0	28.9		ug/L		116	70 - 138
Chlorobenzene	25.0	24.1		ug/L		96	70 - 130
Chlorodibromomethane	25.0	26.4		ug/L		106	70 - 137
Chloroethane	25.0	25.4		ug/L		101	54 - 141
Chloroform	25.0	25.9		ug/L		104	70 - 130
Chloromethane	25.0	23.2		ug/L		93	46 - 142
cis-1,3-Dichloropropene	25.0	29.5		ug/L		118	70 - 138
1,1-Dichloroethane	25.0	25.7		ug/L		103	70 - 130
1,1-Dichloroethene	25.0	25.1		ug/L		101	70 - 139
1,2-Dichloropropane	25.0	27.6		ug/L		110	70 - 130
Ethylbenzene	25.0	25.7		ug/L		103	70 - 130
2-Hexanone	25.0	29.7		ug/L		119	70 - 138
Methylene Chloride	25.0	24.6		ug/L		98	70 - 130
4-Methyl-2-pentanone (MIBK)	25.0	27.4		ug/L		110	70 - 138
Styrene	25.0	25.2		ug/L		101	70 - 130
1,1,2,2-Tetrachloroethane	25.0	25.5		ug/L		102	70 - 130
Tetrachloroethene	25.0	22.8		ug/L		91	70 - 135
Toluene	25.0	25.0		ug/L		100	70 - 130
trans-1,2-Dichloroethene	25.0	26.9		ug/L		108	70 - 134
trans-1,3-Dichloropropene	25.0	27.8		ug/L		111	70 - 143
1,1,1-Trichloroethane	25.0	27.6		ug/L		110	70 - 130
1,1,2-Trichloroethane	25.0	25.2		ug/L		101	70 - 130
Trichloroethene	25.0	25.8		ug/L		103	70 - 130
Vinyl acetate	50.0	49.6		ug/L		99	18 - 200
Vinyl chloride	25.0	24.0		ug/L		96	49 - 140
Xylenes, Total	50.0	51.2		ug/L		102	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
Dibromofluoromethane (Surr)	*106*		*69 - 130*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 140*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: 560-62406-1 MS
Matrix: Water
Analysis Batch: 129464

Client Sample ID: MW-39
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	5.0	U	25.0	32.7		ug/L		131	32 - 157
Benzene	0.33	U	25.0	27.9		ug/L		112	70 - 130
Bromodichloromethane	0.18	U	25.0	29.4		ug/L		118	70 - 130
Bromoform	0.50	U	25.0	27.1		ug/L		109	57 - 145
Bromomethane	0.39	U	25.0	29.3		ug/L		117	56 - 141
2-Butanone (MEK)	1.0	U	25.0	31.0		ug/L		124	42 - 142

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

Lab Sample ID: 560-62406-1 MS
Matrix: Water
Analysis Batch: 129464

Client Sample ID: MW-39
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon disulfide	0.50	U	25.0	25.6		ug/L		102	59 - 164
Carbon tetrachloride	0.25	U	25.0	29.6		ug/L		119	70 - 138
Chlorobenzene	0.14	U	25.0	26.5		ug/L		106	70 - 130
Chlorodibromomethane	0.22	U	25.0	28.2		ug/L		113	62 - 145
Chloroethane	0.40	U	25.0	30.3		ug/L		121	62 - 142
Chloroform	0.17	U	25.0	28.1		ug/L		112	70 - 130
Chloromethane	0.39	U F1	25.0	37.8	F1	ug/L		151	57 - 148
cis-1,3-Dichloropropene	0.15	U	25.0	30.7		ug/L		123	46 - 136
1,1-Dichloroethane	0.17	U	25.0	28.2		ug/L		113	70 - 130
1,1-Dichloroethene	0.30	U	25.0	25.8		ug/L		103	67 - 143
1,2-Dichloropropane	0.17	U	25.0	29.9		ug/L		119	70 - 130
Ethylbenzene	0.20	U	25.0	28.0		ug/L		112	70 - 130
2-Hexanone	0.50	U F1	25.0	33.2	F1	ug/L		133	56 - 130
Methylene Chloride	2.0	U	25.0	26.3		ug/L		105	70 - 130
4-Methyl-2-pentanone (MIBK)	0.51	U	25.0	30.5		ug/L		122	54 - 130
Styrene	0.20	U	25.0	26.8		ug/L		107	28 - 150
1,1,2,2-Tetrachloroethane	0.19	U	25.0	26.3		ug/L		105	66 - 130
Tetrachloroethene	0.19	U	25.0	25.0		ug/L		100	69 - 130
Toluene	0.50	U	25.0	27.2		ug/L		109	70 - 130
trans-1,2-Dichloroethene	0.20	U	25.0	28.3		ug/L		113	57 - 148
trans-1,3-Dichloropropene	0.20	U	25.0	29.9		ug/L		120	44 - 139
1,1,1-Trichloroethane	0.30	U	25.0	29.2		ug/L		117	70 - 133
1,1,2-Trichloroethane	0.17	U	25.0	28.3		ug/L		113	70 - 130
Trichloroethene	0.32	U	25.0	29.2		ug/L		117	70 - 130
Vinyl acetate	0.50	U	50.0	54.0		ug/L		108	36 - 171
Vinyl chloride	0.30	U	25.0	33.7		ug/L		135	49 - 158
Xylenes, Total	0.20	U	50.0	55.9		ug/L		112	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
Dibromofluoromethane (Surr)	*101*		*69 - 130*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 140*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: 560-62406-1 MSD
Matrix: Water
Analysis Batch: 129464

Client Sample ID: MW-39
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	5.0	U	25.0	28.9		ug/L		116	32 - 157	12	20
Benzene	0.33	U	25.0	28.0		ug/L		112	70 - 130	0	20
Bromodichloromethane	0.18	U	25.0	30.1		ug/L		121	70 - 130	2	20
Bromoform	0.50	U	25.0	27.0		ug/L		108	57 - 145	1	20
Bromomethane	0.39	U	25.0	30.4		ug/L		121	56 - 141	4	20
2-Butanone (MEK)	1.0	U	25.0	28.9		ug/L		116	42 - 142	7	20
Carbon disulfide	0.50	U	25.0	25.6		ug/L		102	59 - 164	0	20
Carbon tetrachloride	0.25	U	25.0	30.2		ug/L		121	70 - 138	2	20
Chlorobenzene	0.14	U	25.0	26.3		ug/L		105	70 - 130	1	20

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

Lab Sample ID: 560-62406-1 MSD
Matrix: Water
Analysis Batch: 129464

Client Sample ID: MW-39
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorodibromomethane	0.22	U	25.0	28.5		ug/L		114	62 - 145	1	20
Chloroethane	0.40	U	25.0	30.5		ug/L		122	62 - 142	1	20
Chloroform	0.17	U	25.0	28.1		ug/L		113	70 - 130	0	20
Chloromethane	0.39	U F1	25.0	36.8		ug/L		147	57 - 148	3	20
cis-1,3-Dichloropropene	0.15	U	25.0	31.0		ug/L		124	46 - 136	1	20
1,1-Dichloroethane	0.17	U	25.0	28.2		ug/L		113	70 - 130	0	20
1,1-Dichloroethene	0.30	U	25.0	25.4		ug/L		101	67 - 143	2	20
1,2-Dichloropropane	0.17	U	25.0	29.8		ug/L		119	70 - 130	0	20
Ethylbenzene	0.20	U	25.0	27.9		ug/L		112	70 - 130	0	20
2-Hexanone	0.50	U F1	25.0	32.1		ug/L		128	56 - 130	4	20
Methylene Chloride	2.0	U	25.0	26.0		ug/L		104	70 - 130	1	20
4-Methyl-2-pentanone (MIBK)	0.51	U	25.0	30.0		ug/L		120	54 - 130	2	20
Styrene	0.20	U	25.0	26.5		ug/L		106	28 - 150	1	20
1,1,2,2-Tetrachloroethane	0.19	U	25.0	26.6		ug/L		107	66 - 130	1	20
Tetrachloroethene	0.19	U	25.0	24.7		ug/L		99	69 - 130	1	20
Toluene	0.50	U	25.0	26.9		ug/L		108	70 - 130	1	20
trans-1,2-Dichloroethene	0.20	U	25.0	28.2		ug/L		113	57 - 148	0	20
trans-1,3-Dichloropropene	0.20	U	25.0	29.7		ug/L		119	44 - 139	1	20
1,1,1-Trichloroethane	0.30	U	25.0	29.8		ug/L		119	70 - 133	2	20
1,1,2-Trichloroethane	0.17	U	25.0	27.6		ug/L		111	70 - 130	2	20
Trichloroethene	0.32	U	25.0	29.1		ug/L		117	70 - 130	0	20
Vinyl acetate	0.50	U	50.0	53.4		ug/L		107	36 - 171	1	20
Vinyl chloride	0.30	U	25.0	33.3		ug/L		133	49 - 158	1	20
Xylenes, Total	0.20	U	50.0	56.2		ug/L		112	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
Dibromofluoromethane (Surr)	*101*		*69 - 130*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 140*
Toluene-d8 (Surr)	*98*		*70 - 130*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 560-129548/1-A
Matrix: Water
Analysis Batch: 129559

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 129548

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.46	U	10	0.46	ug/L		07/05/16 13:37	07/06/16 08:52	1
Acenaphthylene	0.45	U	10	0.45	ug/L		07/05/16 13:37	07/06/16 08:52	1
Anthracene	0.70	U	10	0.70	ug/L		07/05/16 13:37	07/06/16 08:52	1
Benzo[a]anthracene	0.65	U	10	0.65	ug/L		07/05/16 13:37	07/06/16 08:52	1
Benzo[b]fluoranthene	0.91	U	10	0.91	ug/L		07/05/16 13:37	07/06/16 08:52	1
Benzo[k]fluoranthene	1.5	U	10	1.5	ug/L		07/05/16 13:37	07/06/16 08:52	1
Benzo[g,h,i]perylene	1.1	U	10	1.1	ug/L		07/05/16 13:37	07/06/16 08:52	1
Benzo[a]pyrene	0.74	U	10	0.74	ug/L		07/05/16 13:37	07/06/16 08:52	1
Benzyl alcohol	0.83	U	10	0.83	ug/L		07/05/16 13:37	07/06/16 08:52	1
Butyl benzyl phthalate	0.82	U	10	0.82	ug/L		07/05/16 13:37	07/06/16 08:52	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 560-129548/1-A
Matrix: Water
Analysis Batch: 129559

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 129548

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	0.44	U	10	0.44	ug/L		07/05/16 13:37	07/06/16 08:52	1
Bis(2-chloroethyl)ether	1.6	U	10	1.6	ug/L		07/05/16 13:37	07/06/16 08:52	1
Bis(2-ethylhexyl) phthalate	5.0	U	20	5.0	ug/L		07/05/16 13:37	07/06/16 08:52	1
4-Bromophenyl phenyl ether	0.81	U	10	0.81	ug/L		07/05/16 13:37	07/06/16 08:52	1
p-Chloroaniline	0.55	U	10	0.55	ug/L		07/05/16 13:37	07/06/16 08:52	1
2-Chloronaphthalene	0.60	U	10	0.60	ug/L		07/05/16 13:37	07/06/16 08:52	1
4-Chlorophenyl phenyl ether	0.53	U	10	0.53	ug/L		07/05/16 13:37	07/06/16 08:52	1
Chrysene	0.49	U	10	0.49	ug/L		07/05/16 13:37	07/06/16 08:52	1
Dibenz(a,h)anthracene	0.87	U	10	0.87	ug/L		07/05/16 13:37	07/06/16 08:52	1
1,2-Dichlorobenzene	0.78	U	10	0.78	ug/L		07/05/16 13:37	07/06/16 08:52	1
1,3-Dichlorobenzene	0.49	U	10	0.49	ug/L		07/05/16 13:37	07/06/16 08:52	1
1,4-Dichlorobenzene	0.82	U	10	0.82	ug/L		07/05/16 13:37	07/06/16 08:52	1
3,3'-Dichlorobenzidine	0.79	U	10	0.79	ug/L		07/05/16 13:37	07/06/16 08:52	1
Diethyl phthalate	0.67	U	10	0.67	ug/L		07/05/16 13:37	07/06/16 08:52	1
Dimethyl phthalate	0.59	U	10	0.59	ug/L		07/05/16 13:37	07/06/16 08:52	1
Di-n-butyl phthalate	0.71	U	10	0.71	ug/L		07/05/16 13:37	07/06/16 08:52	1
Di-n-octyl phthalate	1.1	U	10	1.1	ug/L		07/05/16 13:37	07/06/16 08:52	1
2,4-Dinitrotoluene	0.51	U	20	0.51	ug/L		07/05/16 13:37	07/06/16 08:52	1
2,6-Dinitrotoluene	0.76	U	10	0.76	ug/L		07/05/16 13:37	07/06/16 08:52	1
Fluoranthene	0.50	U	10	0.50	ug/L		07/05/16 13:37	07/06/16 08:52	1
Fluorene	0.42	U	10	0.42	ug/L		07/05/16 13:37	07/06/16 08:52	1
Hexachlorobenzene	0.60	U	10	0.60	ug/L		07/05/16 13:37	07/06/16 08:52	1
Hexachlorobutadiene	0.72	U	10	0.72	ug/L		07/05/16 13:37	07/06/16 08:52	1
Hexachlorocyclopentadiene	0.84	U	10	0.84	ug/L		07/05/16 13:37	07/06/16 08:52	1
Hexachloroethane	0.59	U	10	0.59	ug/L		07/05/16 13:37	07/06/16 08:52	1
Indeno[1,2,3-cd]pyrene	0.92	U	10	0.92	ug/L		07/05/16 13:37	07/06/16 08:52	1
2-Methylnaphthalene	0.70	U	10	0.70	ug/L		07/05/16 13:37	07/06/16 08:52	1
2-Nitroaniline	0.77	U	10	0.77	ug/L		07/05/16 13:37	07/06/16 08:52	1
3-Nitroaniline	0.51	U	10	0.51	ug/L		07/05/16 13:37	07/06/16 08:52	1
4-Nitroaniline	0.82	U	10	0.82	ug/L		07/05/16 13:37	07/06/16 08:52	1
Naphthalene	0.79	U	10	0.79	ug/L		07/05/16 13:37	07/06/16 08:52	1
Nitrobenzene	0.59	U	10	0.59	ug/L		07/05/16 13:37	07/06/16 08:52	1
N-Nitrosodimethylamine	1.4	U	10	1.4	ug/L		07/05/16 13:37	07/06/16 08:52	1
N-Nitrosodi-n-propylamine	0.62	U	10	0.62	ug/L		07/05/16 13:37	07/06/16 08:52	1
N-Nitrosodiphenylamine	1.0	U	10	1.0	ug/L		07/05/16 13:37	07/06/16 08:52	1
Phenanthrene	0.59	U	10	0.59	ug/L		07/05/16 13:37	07/06/16 08:52	1
Pyrene	0.44	U	10	0.44	ug/L		07/05/16 13:37	07/06/16 08:52	1
1,2,4-Trichlorobenzene	0.65	U	10	0.65	ug/L		07/05/16 13:37	07/06/16 08:52	1
Benzoic acid	0.83	U	50	0.83	ug/L		07/05/16 13:37	07/06/16 08:52	1
p-Chloro-m-cresol	0.59	U	10	0.59	ug/L		07/05/16 13:37	07/06/16 08:52	1
2-Chlorophenol	0.73	U	10	0.73	ug/L		07/05/16 13:37	07/06/16 08:52	1
2,4-Dichlorophenol	0.70	U	10	0.70	ug/L		07/05/16 13:37	07/06/16 08:52	1
2,4-Dimethylphenol	0.59	U	10	0.59	ug/L		07/05/16 13:37	07/06/16 08:52	1
2,4-Dinitrophenol	2.7	U	20	2.7	ug/L		07/05/16 13:37	07/06/16 08:52	1
4,6-Dinitro-2-methylphenol	0.96	U	10	0.96	ug/L		07/05/16 13:37	07/06/16 08:52	1
m & p - Cresol	0.76	U	20	0.76	ug/L		07/05/16 13:37	07/06/16 08:52	1
2-Nitrophenol	0.81	U	10	0.81	ug/L		07/05/16 13:37	07/06/16 08:52	1
4-Nitrophenol	1.7	U	10	1.7	ug/L		07/05/16 13:37	07/06/16 08:52	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 560-129548/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 129559 — **Prep Batch: 129548**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	1.3	U	20	1.3	ug/L		07/05/16 13:37	07/06/16 08:52	1
Phenol	0.77	U	10	0.77	ug/L		07/05/16 13:37	07/06/16 08:52	1
2,4,6-Trichlorophenol	0.66	U	10	0.66	ug/L		07/05/16 13:37	07/06/16 08:52	1
2,4,5-Trichlorophenol	0.86	U	10	0.86	ug/L		07/05/16 13:37	07/06/16 08:52	1
bis (2-chloroisopropyl) ether	0.50	U	10	0.50	ug/L		07/05/16 13:37	07/06/16 08:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*77*		*27 - 130*	*07/05/16 13:37*	*07/06/16 08:52*	*1*
2-Fluorobiphenyl	*74*		*23 - 130*	*07/05/16 13:37*	*07/06/16 08:52*	*1*
Terphenyl-d14	*85*		*10 - 141*	*07/05/16 13:37*	*07/06/16 08:52*	*1*
Phenol-d5	*82*		*10 - 130*	*07/05/16 13:37*	*07/06/16 08:52*	*1*
2-Fluorophenol	*80*		*10 - 130*	*07/05/16 13:37*	*07/06/16 08:52*	*1*
2,4,6-Tribromophenol	*86*		*18 - 130*	*07/05/16 13:37*	*07/06/16 08:52*	*1*

Lab Sample ID: LCS 560-129548/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 129559 — **Prep Batch: 129548**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	200	169		ug/L		84	54 - 130
Acenaphthylene	200	149		ug/L		74	54 - 130
Anthracene	200	168		ug/L		84	67 - 130
Benzo[a]anthracene	200	175		ug/L		87	70 - 130
Benzo[b]fluoranthene	200	186		ug/L		93	69 - 130
Benzo[k]fluoranthene	200	169		ug/L		84	68 - 130
Benzo[g,h,i]perylene	200	187		ug/L		94	62 - 130
Benzo[a]pyrene	200	165		ug/L		83	70 - 130
Benzyl alcohol	200	167		ug/L		83	52 - 130
Butyl benzyl phthalate	200	180		ug/L		90	68 - 130
Bis(2-chloroethoxy)methane	200	181		ug/L		90	55 - 130
Bis(2-chloroethyl)ether	200	176		ug/L		88	52 - 130
Bis(2-ethylhexyl) phthalate	200	164		ug/L		82	68 - 130
4-Bromophenyl phenyl ether	200	186		ug/L		93	69 - 130
p-Chloroaniline	200	119		ug/L		60	30 - 130
2-Chloronaphthalene	200	176		ug/L		88	51 - 130
4-Chlorophenyl phenyl ether	200	179		ug/L		90	59 - 130
Chrysene	200	179		ug/L		90	70 - 130
Dibenz(a,h)anthracene	200	173		ug/L		86	65 - 130
1,2-Dichlorobenzene	200	153		ug/L		77	43 - 130
1,3-Dichlorobenzene	200	147		ug/L		74	40 - 130
1,4-Dichlorobenzene	200	149		ug/L		74	42 - 130
3,3'-Dichlorobenzidine	200	139		ug/L		70	61 - 130
Diethyl phthalate	200	186		ug/L		93	59 - 130
Dimethyl phthalate	200	179		ug/L		89	63 - 130
Di-n-butyl phthalate	200	166		ug/L		83	67 - 130
Di-n-octyl phthalate	200	166		ug/L		83	70 - 130
2,4-Dinitrotoluene	200	178		ug/L		89	67 - 130
2,6-Dinitrotoluene	200	176		ug/L		88	64 - 130

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 560-129548/2-A
Matrix: Water
Analysis Batch: 129559

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 129548

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoranthene	200	167		ug/L		83	65 - 130
Fluorene	200	170		ug/L		85	59 - 130
Hexachlorobenzene	200	179		ug/L		90	67 - 130
Hexachlorobutadiene	200	162		ug/L		81	44 - 130
Hexachlorocyclopentadiene	200	29.9		ug/L		15	10 - 130
Hexachloroethane	200	147		ug/L		74	38 - 130
Indeno[1,2,3-cd]pyrene	200	168		ug/L		84	66 - 130
2-Methylnaphthalene	200	156		ug/L		78	54 - 130
2-Nitroaniline	200	171		ug/L		85	60 - 130
3-Nitroaniline	200	168		ug/L		84	57 - 130
4-Nitroaniline	200	181		ug/L		91	55 - 130
Naphthalene	200	157		ug/L		78	51 - 130
Nitrobenzene	200	173		ug/L		86	54 - 130
N-Nitrosodimethylamine	200	160		ug/L		80	54 - 130
N-Nitrosodi-n-propylamine	200	185		ug/L		92	45 - 130
N-Nitrosodiphenylamine	200	154		ug/L		77	51 - 130
Phenanthrene	200	165		ug/L		83	67 - 130
Pyrene	200	179		ug/L		90	66 - 130
1,2,4-Trichlorobenzene	200	165		ug/L		82	49 - 130
Benzoic acid	200	137		ug/L		68	10 - 137
p-Chloro-m-cresol	200	175		ug/L		88	52 - 130
2-Chlorophenol	200	177		ug/L		89	51 - 130
2,4-Dichlorophenol	200	186		ug/L		93	51 - 130
2,4-Dimethylphenol	200	161		ug/L		80	51 - 130
2,4-Dinitrophenol	400	326		ug/L		81	47 - 130
4,6-Dinitro-2-methylphenol	400	338		ug/L		85	63 - 130
m & p - Cresol	200	196		ug/L		98	41 - 130
2-Nitrophenol	200	161		ug/L		81	54 - 130
4-Nitrophenol	400	339		ug/L		85	34 - 138
Pentachlorophenol	400	316		ug/L		79	55 - 130
Phenol	200	173		ug/L		86	47 - 130
2,4,6-Trichlorophenol	200	176		ug/L		88	53 - 130
2,4,5-Trichlorophenol	200	172		ug/L		86	55 - 130
bis (2-chloroisopropyl) ether	200	162		ug/L		81	44 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5	*72*		*27 - 130*
2-Fluorobiphenyl	*69*		*23 - 130*
Terphenyl-d14	*77*		*10 - 141*
Phenol-d5	*77*		*10 - 130*
2-Fluorophenol	*71*		*10 - 130*
2,4,6-Tribromophenol	*84*		*18 - 130*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 560-129492/1-A
Matrix: Water
Analysis Batch: 129532

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 129492

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0047	U	0.056	0.0047	ug/L		07/01/16 08:52	07/05/16 12:30	1
4,4'-DDE	0.0047	U	0.056	0.0047	ug/L		07/01/16 08:52	07/05/16 12:30	1
4,4'-DDT	0.0076	U	0.056	0.0076	ug/L		07/01/16 08:52	07/05/16 12:30	1
Aldrin	0.0047	U	0.056	0.0047	ug/L		07/01/16 08:52	07/05/16 12:30	1
alpha-BHC	0.0049	U	0.056	0.0049	ug/L		07/01/16 08:52	07/05/16 12:30	1
beta-BHC	0.0047	U	0.056	0.0047	ug/L		07/01/16 08:52	07/05/16 12:30	1
Chlordane (technical)	0.14	U	0.56	0.14	ug/L		07/01/16 08:52	07/05/16 12:30	1
delta-BHC	0.0047	U	0.056	0.0047	ug/L		07/01/16 08:52	07/05/16 12:30	1
Dieldrin	0.012	U	0.056	0.012	ug/L		07/01/16 08:52	07/05/16 12:30	1
Endosulfan I	0.0047	U	0.056	0.0047	ug/L		07/01/16 08:52	07/05/16 12:30	1
Endosulfan II	0.0081	U	0.056	0.0081	ug/L		07/01/16 08:52	07/05/16 12:30	1
Endosulfan sulfate	0.0083	U	0.056	0.0083	ug/L		07/01/16 08:52	07/05/16 12:30	1
Endrin	0.0072	U	0.056	0.0072	ug/L		07/01/16 08:52	07/05/16 12:30	1
Endrin aldehyde	0.0047	U	0.056	0.0047	ug/L		07/01/16 08:52	07/05/16 12:30	1
gamma-BHC (Lindane)	0.0042	U	0.056	0.0042	ug/L		07/01/16 08:52	07/05/16 12:30	1
Heptachlor	0.0061	U	0.056	0.0061	ug/L		07/01/16 08:52	07/05/16 12:30	1
Heptachlor epoxide	0.0049	U	0.056	0.0049	ug/L		07/01/16 08:52	07/05/16 12:30	1
Methoxychlor	0.0094	U	0.056	0.0094	ug/L		07/01/16 08:52	07/05/16 12:30	1
Toxaphene	0.64	U	5.6	0.64	ug/L		07/01/16 08:52	07/05/16 12:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*59*		*10 - 152*	*07/01/16 08:52*	*07/05/16 12:30*	*1*
Tetrachloro-m-xylene	*83*		*57 - 127*	*07/01/16 08:52*	*07/05/16 12:30*	*1*

Lab Sample ID: LCS 560-129492/3-A
Matrix: Water
Analysis Batch: 129532

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 129492

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.545	0.468		ug/L		86	56 - 130
4,4'-DDE	0.545	0.462		ug/L		85	53 - 130
4,4'-DDT	0.545	0.475		ug/L		87	50 - 130
Aldrin	0.545	0.460		ug/L		84	54 - 130
alpha-BHC	0.545	0.465		ug/L		85	59 - 130
beta-BHC	0.545	0.445		ug/L		82	56 - 130
delta-BHC	0.545	0.469		ug/L		86	56 - 130
Dieldrin	0.545	0.472		ug/L		87	58 - 130
Endosulfan I	0.545	0.472		ug/L		87	39 - 130
Endosulfan II	0.545	0.406		ug/L		74	44 - 130
Endosulfan sulfate	0.545	0.415		ug/L		76	52 - 130
Endrin	0.545	0.474		ug/L		87	62 - 130
Endrin aldehyde	0.545	0.425		ug/L		78	52 - 130
gamma-BHC (Lindane)	0.545	0.469		ug/L		86	56 - 130
Heptachlor	0.545	0.469		ug/L		86	57 - 130
Heptachlor epoxide	0.545	0.398		ug/L		73	53 - 130
Methoxychlor	0.545	0.480		ug/L		88	57 - 130

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 560-129492/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 129532 — **Prep Batch: 129492**

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*62*		*10 - 152*
Tetrachloro-m-xylene	*87*		*57 - 127*

Lab Sample ID: LCS 560-129492/4-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 129532 — **Prep Batch: 129492**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlordane (technical)	5.46	5.11		ug/L		94	41 - 134

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*57*		*10 - 152*
Tetrachloro-m-xylene	*79*		*57 - 127*

Lab Sample ID: LCS 560-129492/5-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 129532 — **Prep Batch: 129492**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Toxaphene	10.9	10.5		ug/L		97	51 - 139

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*63*		*10 - 152*
Tetrachloro-m-xylene	*83*		*57 - 127*

Lab Sample ID: 560-62406-1 MS — **Client Sample ID: MW-39**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 129532 — **Prep Batch: 129492**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.0047	U	0.538	0.522		ug/L		97	56 - 130
4,4'-DDE	0.0047	U	0.538	0.517		ug/L		96	53 - 130
4,4'-DDT	0.0077	U	0.538	0.526		ug/L		98	50 - 130
Aldrin	0.0047	U	0.538	0.509		ug/L		95	54 - 130
alpha-BHC	0.0049	U	0.538	0.526		ug/L		98	59 - 130
beta-BHC	0.0047	U	0.538	0.499		ug/L		93	56 - 130
delta-BHC	0.0047	U	0.538	0.531		ug/L		99	56 - 130
Dieldrin	0.012	U	0.538	0.526		ug/L		98	58 - 130
Endosulfan I	0.0047	U	0.538	0.520		ug/L		97	39 - 130
Endosulfan II	0.0081	U	0.538	0.429		ug/L		80	44 - 130
Endosulfan sulfate	0.0083	U	0.538	0.438		ug/L		82	52 - 130
Endrin	0.0073	U	0.538	0.529		ug/L		98	62 - 130
Endrin aldehyde	0.0047	U	0.538	0.476		ug/L		89	52 - 130
gamma-BHC (Lindane)	0.0043	U	0.538	0.524		ug/L		98	56 - 130
Heptachlor	0.0061	U	0.538	0.526		ug/L		98	57 - 130
Heptachlor epoxide	0.0049	U	0.538	0.482		ug/L		90	53 - 130
Methoxychlor	0.0095	U	0.538	0.532		ug/L		99	57 - 130

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 560-62406-1 MS
Matrix: Water
Analysis Batch: 129532

Client Sample ID: MW-39
Prep Type: Total/NA
Prep Batch: 129492

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*63*		*10 - 152*
Tetrachloro-m-xylene	*90*		*57 - 127*

Lab Sample ID: 560-62406-1 MSD
Matrix: Water
Analysis Batch: 129532

Client Sample ID: MW-39
Prep Type: Total/NA
Prep Batch: 129492

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	0.0047	U	0.541	0.458		ug/L		85	56 - 130	13	30
4,4'-DDE	0.0047	U	0.541	0.449		ug/L		83	53 - 130	14	30
4,4'-DDT	0.0077	U	0.541	0.462		ug/L		86	50 - 130	13	30
Aldrin	0.0047	U	0.541	0.444		ug/L		82	54 - 130	14	30
alpha-BHC	0.0049	U	0.541	0.466		ug/L		86	59 - 130	12	30
beta-BHC	0.0047	U	0.541	0.445		ug/L		82	56 - 130	11	30
delta-BHC	0.0047	U	0.541	0.473		ug/L		87	56 - 130	12	30
Dieldrin	0.012	U	0.541	0.462		ug/L		85	58 - 130	13	30
Endosulfan I	0.0047	U	0.541	0.451		ug/L		83	39 - 130	14	30
Endosulfan II	0.0081	U	0.541	0.378		ug/L		70	44 - 130	13	30
Endosulfan sulfate	0.0083	U	0.541	0.387		ug/L		72	52 - 130	13	30
Endrin	0.0073	U	0.541	0.469		ug/L		87	62 - 130	12	30
Endrin aldehyde	0.0047	U	0.541	0.421		ug/L		78	52 - 130	12	30
gamma-BHC (Lindane)	0.0043	U	0.541	0.465		ug/L		86	56 - 130	12	30
Heptachlor	0.0061	U	0.541	0.463		ug/L		86	57 - 130	13	30
Heptachlor epoxide	0.0049	U	0.541	0.427		ug/L		79	53 - 130	12	30
Methoxychlor	0.0095	U	0.541	0.468		ug/L		87	57 - 130	13	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*56*		*10 - 152*
Tetrachloro-m-xylene	*82*		*57 - 127*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 560-129492/1-A
Matrix: Water
Analysis Batch: 129533

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 129492

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.10	U	0.56	0.10	ug/L		07/01/16 08:52	07/05/16 11:26	1
PCB-1221	0.10	U	0.56	0.10	ug/L		07/01/16 08:52	07/05/16 11:26	1
PCB-1232	0.41	U	0.75	0.41	ug/L		07/01/16 08:52	07/05/16 11:26	1
PCB-1242	0.10	U	0.56	0.10	ug/L		07/01/16 08:52	07/05/16 11:26	1
PCB-1248	0.10	U	0.56	0.10	ug/L		07/01/16 08:52	07/05/16 11:26	1
PCB-1254	0.10	U	0.56	0.10	ug/L		07/01/16 08:52	07/05/16 11:26	1
PCB-1260	0.10	U	0.56	0.10	ug/L		07/01/16 08:52	07/05/16 11:26	1
PCB-1262	0.10	U	0.56	0.10	ug/L		07/01/16 08:52	07/05/16 11:26	1
PCB-1268	0.10	U	0.56	0.10	ug/L		07/01/16 08:52	07/05/16 11:26	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 560-129492/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 129533 — **Prep Batch: 129492**

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	104		10 - 150	07/01/16 08:52	07/05/16 11:26	1
Decachlorobiphenyl	97		10 - 150	07/01/16 08:52	07/05/16 11:26	1

Lab Sample ID: LCS 560-129492/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 129533 — **Prep Batch: 129492**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	10.8	11.7		ug/L		109	50 - 135
PCB-1260	10.8	11.7		ug/L		108	50 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	103		10 - 150
Decachlorobiphenyl	98		10 - 150

Lab Sample ID: 560-62406-1 MS — **Client Sample ID: MW-39**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 129533 — **Prep Batch: 129492**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	0.10	U	10.6	10.6		ug/L		100	50 - 135
PCB-1260	0.10	U	10.6	10.8		ug/L		102	50 - 135

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene	96		10 - 150
Decachlorobiphenyl	89		10 - 150

Lab Sample ID: 560-62406-1 MSD — **Client Sample ID: MW-39**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 129533 — **Prep Batch: 129492**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	0.10	U	10.8	10.7		ug/L		100	50 - 135	1	30
PCB-1260	0.10	U	10.8	11.0		ug/L		102	50 - 135	1	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Tetrachloro-m-xylene	92		10 - 150
Decachlorobiphenyl	87		10 - 150

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 560-129498/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 129530 — **Prep Batch: 129498**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	1.1	U	5.0	1.1	ug/L		07/01/16 08:29	07/01/16 13:46	1

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 560-129498/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 129530 — **Prep Batch: 129498**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	0.81	U	5.0	0.81	ug/L		07/01/16 08:29	07/01/16 13:46	1
Cadmium, Dissolved	0.85	U	2.0	0.85	ug/L		07/01/16 08:29	07/01/16 13:46	1
Chromium, Dissolved	1.4	U	5.0	1.4	ug/L		07/01/16 08:29	07/01/16 13:46	1
Lead, Dissolved	0.73	U	5.0	0.73	ug/L		07/01/16 08:29	07/01/16 13:46	1
Nickel, Dissolved	2.2	U	5.0	2.2	ug/L		07/01/16 08:29	07/01/16 13:46	1
Selenium, Dissolved	1.1	U	5.0	1.1	ug/L		07/01/16 08:29	07/01/16 13:46	1
Silver, Dissolved	0.94	U	5.0	0.94	ug/L		07/01/16 08:29	07/01/16 13:46	1
Zinc, Dissolved	3.6	U	25	3.6	ug/L		07/01/16 08:29	07/01/16 13:46	1

Lab Sample ID: LCS 560-129498/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 129530 — **Prep Batch: 129498**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic, Dissolved	250	235		ug/L		94	80 - 120
Barium, Dissolved	250	240		ug/L		96	80 - 120
Cadmium, Dissolved	250	234		ug/L		94	80 - 120
Chromium, Dissolved	250	234		ug/L		93	80 - 120
Lead, Dissolved	250	236		ug/L		94	80 - 120
Nickel, Dissolved	250	230		ug/L		92	80 - 120
Selenium, Dissolved	250	229		ug/L		91	80 - 120
Silver, Dissolved	250	247		ug/L		99	80 - 120
Zinc, Dissolved	250	224		ug/L		89	80 - 120

Lab Sample ID: 560-62406-1 MS — **Client Sample ID: MW-39**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 129530 — **Prep Batch: 129498**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic, Dissolved	3.3	J	250	243		ug/L		96	80 - 120
Barium, Dissolved	340		250	582		ug/L		98	80 - 120
Cadmium, Dissolved	0.85	U	250	236		ug/L		94	80 - 120
Chromium, Dissolved	1.4	U	250	232		ug/L		93	80 - 120
Lead, Dissolved	0.73	U	250	231		ug/L		92	80 - 120
Nickel, Dissolved	2.2	U	250	225		ug/L		90	80 - 120
Selenium, Dissolved	3.9	J	250	231		ug/L		91	80 - 120
Silver, Dissolved	0.94	U	250	249		ug/L		100	80 - 120
Zinc, Dissolved	9.8	J	250	229		ug/L		88	80 - 120

Lab Sample ID: 560-62406-1 MSD — **Client Sample ID: MW-39**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 129530 — **Prep Batch: 129498**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic, Dissolved	3.3	J	250	238		ug/L		94	80 - 120	2	20
Barium, Dissolved	340		250	593		ug/L		102	80 - 120	2	20
Cadmium, Dissolved	0.85	U	250	235		ug/L		94	80 - 120	0	20
Chromium, Dissolved	1.4	U	250	227		ug/L		91	80 - 120	2	20
Lead, Dissolved	0.73	U	250	228		ug/L		91	80 - 120	1	20

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: 560-62406-1 MSD — **Client Sample ID: MW-39**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 129530 — **Prep Batch: 129498**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nickel, Dissolved	2.2	U	250	219		ug/L		88	80 - 120	3	20
Selenium, Dissolved	3.9	J	250	228		ug/L		90	80 - 120	1	20
Silver, Dissolved	0.94	U	250	249		ug/L		100	80 - 120	0	20
Zinc, Dissolved	9.8	J	250	223		ug/L		85	80 - 120	3	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 560-129513/4-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 129514 — **Prep Batch: 129513**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.00013	U	0.0020	0.00013	mg/L		07/01/16 14:48	07/01/16 15:11	1

Lab Sample ID: LCS 560-129513/5-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 129514 — **Prep Batch: 129513**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury, Dissolved	0.00500	0.00464		mg/L		93	80 - 120

Lab Sample ID: 560-62406-1 MS — **Client Sample ID: MW-39**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 129514 — **Prep Batch: 129513**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury, Dissolved	0.00013	U	0.00500	0.00434		mg/L		87	80 - 120

Lab Sample ID: 560-62406-1 MSD — **Client Sample ID: MW-39**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 129514 — **Prep Batch: 129513**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury, Dissolved	0.00013	U	0.00500	0.00453		mg/L		91	80 - 120	4	20

Certification Summary

Client: ENTACT, LLC
Project/Site: E8077-Sheridan Superfund Site

TestAmerica Job ID: 560-62406-1

Laboratory: TestAmerica Corpus Christi

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Texas	NELAP	6	T104704210-16-18	03-31-17

The following analytes are included in this report, but are not certified under this certification:

Analysis Method	Prep Method	Matrix	Analyte
8270C	3520C	Water	bis (2-chloroisopropyl) ether

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8081B	3511	Water	4,4'-DDD
8082A	3511	Water	PCB-1262
8082A	3511	Water	PCB-1268

Method Summary

Client: ENTACT, LLC
Project/Site: E8077-Sheridan Superfund Site

TestAmerica Job ID: 560-62406-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CC
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CC
8081B	Organochlorine Pesticides (GC)	SW846	TAL CC
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CC
6020	Metals (ICP/MS)	SW846	TAL CC
7470A	Mercury (CVAA)	SW846	TAL CC

Protocol References:

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

Laboratory References:

TAL CC = TestAmerica Corpus Christi, 1733 N. Padre Island Drive, Corpus Christi, TX 78408, TEL (361)289-2673

Sample Summary

Client: ENTACT, LLC
Project/Site: E8077-Sheridan Superfund Site

TestAmerica Job ID: 560-62406-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
560-62406-1	MW-39	Water	06/28/16 11:21	06/30/16 10:00
560-62406-2	MW-6	Water	06/28/16 12:44	06/30/16 10:00
560-62406-3	MW-31	Water	06/28/16 14:21	06/30/16 10:00
560-62406-4	MW-34	Water	06/28/16 15:40	06/30/16 10:00
560-62406-5	DUP	Water	06/28/16 00:00	06/30/16 10:00
560-62406-6	MW-35	Water	06/28/16 17:02	06/30/16 10:00
560-62406-7	MW-37	Water	06/28/16 18:18	06/30/16 10:00
560-62406-8	TRIP BLANK	Water	06/28/16 00:00	06/30/16 10:00

TestAmerica Corpus Christi
1733 N. Padre Island Drive
Corpus Christi, TX 78408
Phone (361) 289-2673 Fax (361) 289-2471

Chain of Custody Record

TestAmerica

Loc: 560
62406

Client Information	Sampler: Jenny Self / M. Cox	Lab PM: Boyken, Nicole M	Carrier Tracking No(s): 6025 5770 1236, 6025 5770 1247, 6025 5770 1258	COC No: 560-20627-404
Client Contact: Mrs. Jenny Self	Phone:	E-Mail: nicole.boyken@testamericainc.com		Page: Page 1 of 1
Company: ENTACT, LLC				Job #:
Address: 3129 Bass Pro Drive	Due Date Requested:			
City: Grapevine	TAT Requested (days): std			
State, Zip: TX, 76051				
Phone: 214-415-3627(Tel)	PO #: E8077-001			
Email: jself@entact.com	WO #:			
Project Name: ~~E7434~~ Sheridan Superfund Site E8077	Project #: 56001250			
Site:	SSOW#:			

Analysis Requested

Dallas . Ft Worth
560501

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, ST=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - VOCs (Routine Compound List)	6020, 7470A - RCRA 8 + Zn, Ni (Field Filtered)	8270C - SVOCs (Routine Compound List)	8082A - PCBS	8081B - Organochlorine Pest	8260B - 8260B - VOCs (TRIP BLANK)	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	A	D	N	N	N	A	X	
MW-39	062816	1121	G	Water	X		X	X	X	X	X			
MW-6	062816	1244	G	Water	Y		X	X	X	X	X			
MW-31	062816	1421	G	Water	Y		X	X	X	X	X			
MW-34	062816	1540	G	Water	Y		X	X	X	X	X			
Dup	062816		G	Water	Y		X	X	X	X	X			
MW-35	062816	1702	G	Water	Y		X	X	X	X	X			
MW-37	062816	1818	G	Water	Y		X	X	X	X	X			
Trip blank	062816		G	Water								X		
				Water										
				Water										
				Water										

560-62406 Chain of Custody

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) L2

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Jenny Self	062916 1400	ENTACT	[signature]	6-30-16 1010	TAC

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
	obs. 0.9/cor. 1.0	obs. 2.0/cor. 2.1 obs. 1.7/cor. 1.8 IR11

10

7/7/2016

Login Sample Receipt Checklist

Client: ENTACT, LLC

Job Number: 560-62406-1

Login Number: 62406
List Number: 1
Creator: Etter, Corey M

List Source: TestAmerica Corpus Christi

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.	True	
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	
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").	False	Refer to Job Narrative for details.
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX B

Appendix B

ENTACT®
environmental services

APPENDIX B

WEATHER DATA

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service

Monthly Climatological Summary
(2015)
Generated on 07/21/2016

National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Elev: 246 ft. Lat: 30.230° N Lon: 96.136° W
Station: **HEMPSTEAD 10.0 NNW, TX US GHCND:US1TXWA0003**

Date	Temperature (F)											Precipitation (in.)						
Elem->	MMXT	MMNT	MNTM	HTDD	CLDD	EMXT	EMNT	DT90	DX32	DT32	DT00	TPCP	EMXP	TSNW	MXSD	DP01	DP05	DP10
Month	Mean Max.	Mean Min.	Mean	Heating Degree Days	Cooling Degree Days	Highest	Lowest	Number Of Days				Total	Greatest Observed	Snow, Sleet, Hail		Number Of Days		
								Max>=90	Max<=32	Min<=32	Min<=0			Total Fall	Max Depth	>=.10	>=.50	>=1.0
1												3.37	1.23	0.0		8	2	1
2												0.79	0.23	0.0		3	0	0
3												9.21	2.93	0.0		9	5	3
4												5.75	1.24	0.0		9	5	2
5												17.87	4.50	0.0		12	9	6
6												11.88	4.19	0.0		8	5	4
7												0.38	0.20	0.0		1	0	0
8												3.96	1.50	0.0		4	3	2
9												2.08	0.54	0.0		6	1	0
10												7.52	5.39	0.0		4	3	1
11												5.52	1.83	0.0		10	4	2
12												4.89	2.74	0.0		3	2	2
Summary												73.22	5.39	0.0		77	39	23

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service

Monthly Climatological Summary
(2016)
Generated on 07/01/2016

National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Elev: 246 ft. Lat: 30.230° N Lon: 96.136° W
Station: **HEMPSTEAD 10.0 NNW, TX US GHCND:US1TXWA0003**

Date	Temperature (F)											Precipitation (in.)						
Elem->	MMXT	MMNT	MNTM	HTDD	CLDD	EMXT	EMNT	DT90	DX32	DT32	DT00	TPCP	EMXP	TSNW	MXSD	DP01	DP05	DP10
Month	Mean Max.	Mean Min.	Mean	Heating Degree Days	Cooling Degree Days	Highest	Lowest	Number Of Days				Total	Greatest Observed	Snow, Sleet, Hail		Number Of Days		
								Max>=90	Max<=32	Min<=32	Min<=0			Total Fall	Max Depth	>=.10	>=.50	>=1.0
1												0.90	0.47	0.0		3	0	0
2												3.19	1.49	0.0		3	2	2
3												5.57	4.40	0.0		6	2	1
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
Summary												9.66	4.40	0.0		12	4	3

Climate Brenham - Texas

°C | °F

	Jan	Feb	Mar	Apr	May	Jun
Average high in °F:	60	64	71	78	85	91
Average low in °F:	39	42	48	56	65	71
Av. precipitation in inch:	3.46	3.07	3.43	2.87	4.65	4.88
Days with precipitation:	-	-	-	-	-	-
Hours of sunshine:	-	-	-	-	-	-

	Jul	Aug	Sep	Oct	Nov	Dec
Average high in °F:	94	96	90	81	70	62
Average low in °F:	73	73	68	58	48	40
Av. precipitation in inch:	2.56	2.91	4.45	5.08	4.29	3.43
Days with precipitation:	-	-	-	-	-	-
Hours of sunshine:	-	-	-	-	-	-

Climate data for brenham, Longitude: -96.3972, Latitude: 30.1591
Average weather Brenham, TX - 77833 - 1981-2010 normals

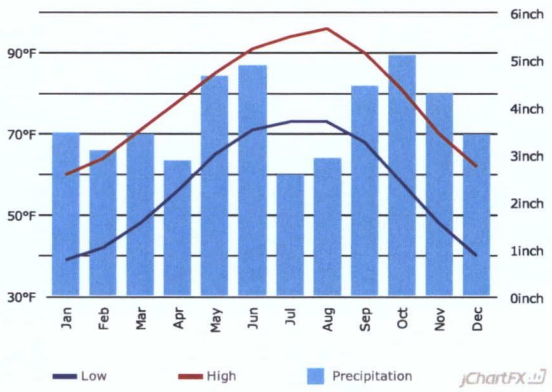
Jan: January, Feb: February, Mar: March, Apr: April, May: May, Jun: June, Jul: July, Aug: August, Sep: September, Oct: October, Nov: November, Dec: December

Brenham weather averages

Annual high temperature:	78.5°F
Annual low temperature:	56.8°F
Average temperature:	67.65°F
Average annual precipitation - rainfall:	45.08 inch
Days per year with precipitation - rainfall:	-
Annual hours of sunshine:	-
Av. annual snowfall:	-

G+1 0

Brenham Climate Graph - Texas Climate Chart



Climograph of Brenham on your website

USGS Home
Contact USGS
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National Water Information System: Web Interface

USGS Water Resources

Data Category: Current Conditions ▼ Geographic Area: Texas ▼ GO

Click to hideNews Bulletins

- June 20, 2016
- **Changes coming this summer** to some water-data formats on this website. The changes are minor for most end users. Learn More
- Use our Mobile-friendly water data site from your mobile device!
- Full News

Click to hide state-specific text

USGS 08111500 Brazos Rv nr Hempstead, TX

PROVISIONAL DATA SUBJECT TO REVISION

Available data for this site Time-series: Current/Historical Observations ▼ GO

Click to hidestation-specific text

Funding for this site is provided by the cooperators / programs below:

Brazos River Authority

Corps of Engineers, Fort Worth District

Cooperative Water Program

Rainfall Disclaimer

Advanced Hydrologic Prediction Service

Retransmission, forecasts and summary by the National Weather Service

This station managed by the Houston Field Unit.

Available Parameters	Available Period
☑ All 3 Available Parameters for this site	
☑ 00060 Discharge	2007-10-01 2016-07-21
☑ 00065 Gage height	2007-10-01 2016-07-21
☑ 00045 Precipitation	2016-03-23 2016-07-21

Output format

- ○ Graph
- ◉ Graph w/ stats
- ○ Graph w/o stats
- ○ Graph w/ (up to 3) parms
- ○ Table
- ○ Tab-separated

Days (386) **Summary of all available data for this site** GO

Instantaneous-data availability statement

-- or --

Begin date

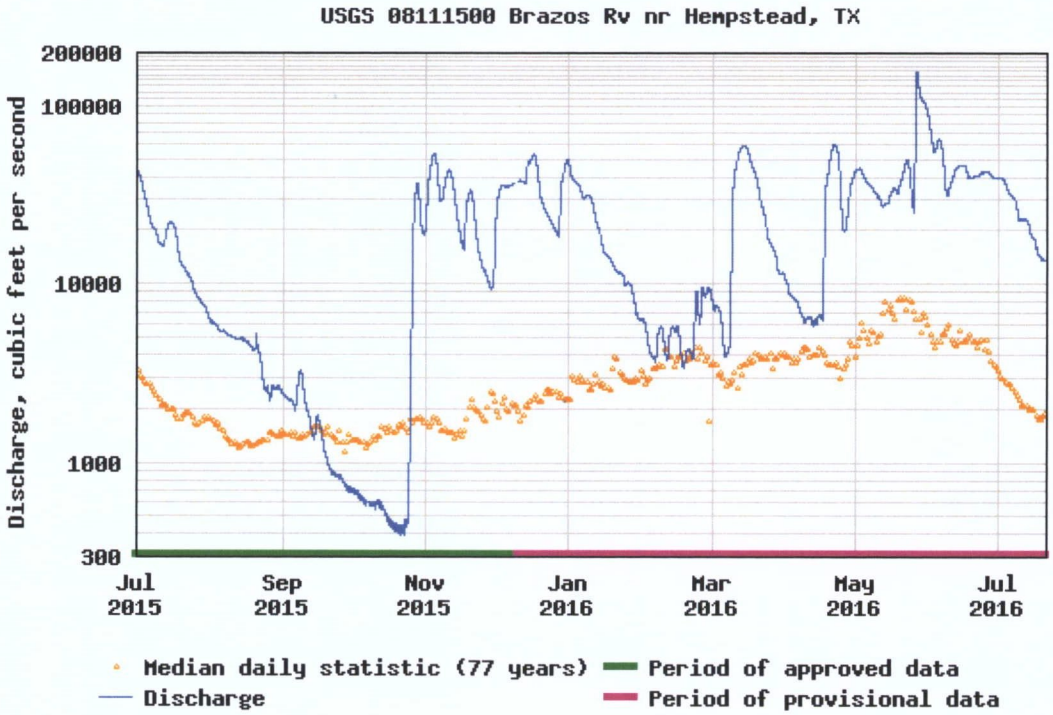
2015-07-01

End date

2016-07-21

Discharge, cubic feet per second

Most recent instantaneous value: 13,500 07-21-2016 15:15 CDT



Add up to 2 more sites and replot for "Discharge, cubic feet per second"

?

Add site numbers

Note

Enter up to 2 site numbers separated by a comma. A site number consists of 8 to 15 digits

GO

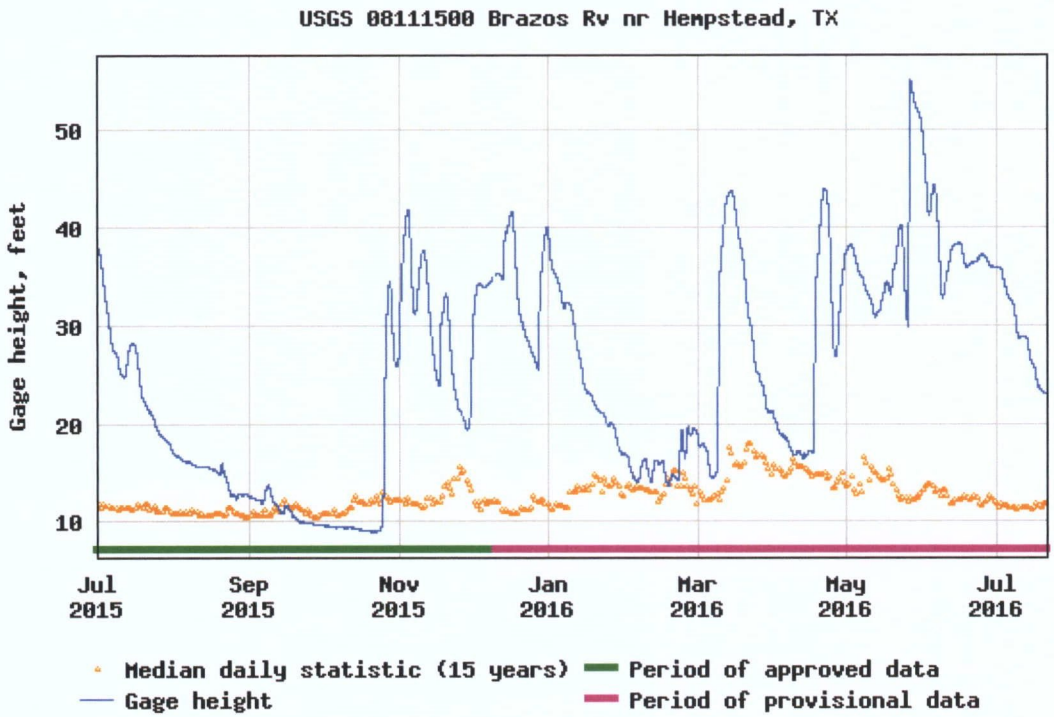
Create presentation-quality / stand-alone graph. Subscribe to ? WaterAlert

Share this graph |

Daily discharge, cubic feet per second -- statistics for Jul 21 based on 77 years of record more

Min (1996)	25th percen-tile	Median	Mean	75th percen-tile	Most Recent Instantaneous Value Jul 21	Max (2007)
660	1260	1900	4210	4600	13500	51600

Gage height, feet
Most recent instantaneous value: 23.02 07-21-2016 15:15 CDT



Add up to 2 more sites and replot for "Gage height, feet"

?
Add site numbers
Note

Enter up to 2 site numbers separated by a comma. A site number consists of 8 to 15 digits

GO

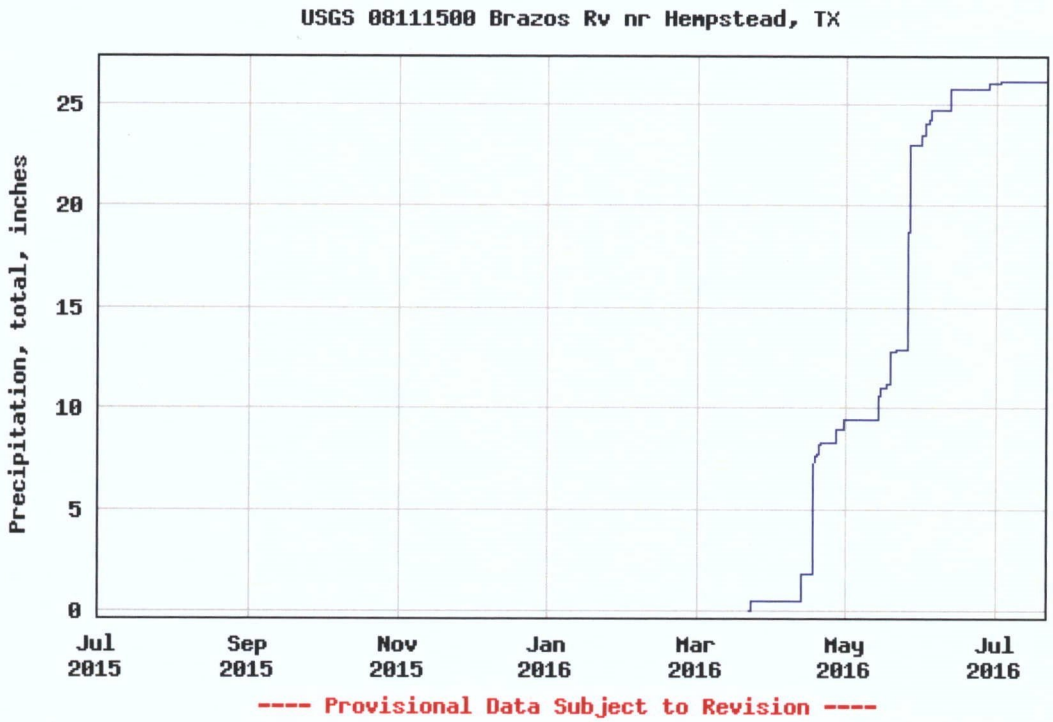
Create presentation-quality / stand-alone graph. Subscribe to
?
WaterAlert

Share this graph |

Daily gage height, feet -- statistics for Jul 21 based on 17 years of record more

Min (2000)	25th percen-tile	Median	75th percen-tile	Mean	Most Recent Instantaneous Value Jul 21	Max (2007)
10.61	11.10	11.80	14.23	14.50	23.02	38.23

Precipitation, total, inches
Most recent instantaneous value: 0.00 07-21-2016 15:15 CDT



Add up to 2 more sites and replot for "Precipitation, total, inches"

?
Add site numbers
Note

Enter up to 2 site numbers separated by a comma. A site number consists of 8 to 15 digits

GO

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U.S. Department of the Interior | U.S. Geological Survey

USA.gov

Title: USGS Current Conditions for Texas
URL: http://nwis.waterdata.usgs.gov/tx/nwis/uv?

Page Contact Information: Texas Water Data Support Team
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