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February 11, 2019

Ms. Rosemary Manty
UST Corrective Action Section
Alabama Department of Environmental Management
1400 Coliseum Blvd.
Montgomery, Alabama 36110-2059

Subject: Additional Corrective Action Plan (CP-56)
Former Chevron Facility #45480
U.S. Highway 231 and Alabama Highway 249, Ozark, AL
ADEM Facility ID No.: 10950-045-005241;
Incident No. UST93-05-33

Dear Ms. Manty:

On behalf of Chevron Environmental Management Company (Chevron), AECOM is pleased to submit this Additional Corrective Action Plan (CP-56) for Former Chevron Facility #45480, located in Ozark, Alabama.

Please contact me at 404-965-7070 if you have any questions regarding the enclosed document.

Regards,

Mary Grace
Project Manager

Atch: Chevron 45480 Additional Corrective Action Plan (CP-56)

AECOM Environment

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Corrective Action Report
Chevron Facility #45480
101 US Highway 321 South
Ozark, Alabama
ADEM Facility ID No.: 10950-045-005241
Incident No.: UST93-05-33

February 11, 2019

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1.0 Introduction

AECOM Technical Services, Inc. (AECOM) was retained by Chevron Environmental Management Company (CEMC) to perform corrective action activities at the former Chevron Facility #45480 located at 101 U.S. Highway 231 South in Ozark, Alabama (the Site). The Site Plan is shown on **Figure 1**.

The Alabama Department of Environmental Management (ADEM) approved a Corrective Action Plan (CAP) for Remediation by Natural Attenuation (RNA) augmented with mobile enhanced multi-phase extraction (MEME) remediation events to reduce hydrocarbons to concentrations less than risk-based Alternate Corrective Action Limits (ACALs). Subsequently, ADEM approved an optimization plan to include short-term episodic air sparge (AS) events in conjunction with the MEME events. In a correspondence dated March 7, 2018, ADEM requested an optimization plan be prepared for the site. On April 5, 2018, AECOM prepared and submitted an optimization plan for the installation of oxygen release compound (ORC) socks in select wells and conducting monthly 8-hour MEME events. Based on review of the optimization plan, in correspondence dated April 13, 2018, ADEM requested an Additional Corrective Action Plan (Add CAP) for the site. AECOM submitted an Add CAP for the Site on October 9, 2018. The Add Cap proposed the installation ORC socks in the wells identified with groundwater impacts, specifically monitoring well MW-6, and recovery wells RW-1 and RW-2. The Add CAP was approved by ADEM in a correspondence dated October 18, 2018.

ADEM approved the scope of work conducted during this period on May 11, 2018, in accordance with cost proposal CP-56. The work performed during this reporting period (September 11, 2018 through January 11, 2019) as part of the Add CAP included:

- Conduct tri-annual groundwater monitoring event on December 11 and 12, 2018.

The groundwater monitoring well network at the Site consists of nine monitoring wells (MW-5D, MW-6, MW-7, MW-8, MW-10, and MW-12 through MW-15), two recovery wells (RW-1 and RW-2), and two sparge wells (AS-1 and AS-2).

A limited groundwater monitoring event was conducted at the Site during the current reporting period in accordance with the ADEM approved optimization plan and Add CAP. Remediation goals include reduction of dissolved-phase hydrocarbon concentrations to less than Groundwater Resource Protection (GRP) Site-Specific Target Levels (SSTLs) developed using an Alabama Risk-Based Corrective Action (ARBCA) evaluation. Tri-annual groundwater sampling data are compared to the SSTLs to evaluate remediation effectiveness. A summary of the GRP SSTLs is included in **Table 2** for comparison with groundwater concentrations. Dissolved benzene concentrations remain above SSTLs in three of the wells associated with the Site. In accordance with the ADEM approved Add CAP, and pending receipt of the signed Underground Injection Control (UIC) permit, ORC socks will be installed in select wells and monthly 8-hour MEME events will be conducted at the Site. Prior to installation of the ORC socks, a comprehensive baseline monitoring event will be conducted at the Site, followed by monthly monitoring to evaluate the effects of the ORC at target wells MW-6, RW-1 and RW-2.

1.1 Well Gauging

Groundwater is monitored at the Site on a tri-annual basis. During the December 11 and 12, 2018 tri-annual groundwater monitoring event, each of the 13 wells currently associated with the Site were gauged for depth to water and for the presence of phase-separated hydrocarbons (PSH). Groundwater level data records are provided as **Appendix A** and are summarized in **Table 1**.

1.2 Well Sampling

As approved in the ADEM cost proposal CP # 56 dated May 10, 2018, groundwater samples were collected from three of the 13 wells associated with the Site as part of the December 11 and 12, 2018 tri-annual groundwater monitoring event, specifically MW-6, RW-1, and RW-2 . A duplicate groundwater sample was collected from monitoring well MW-6 during the December 2018 groundwater monitoring event.

Prior to sampling, the volume of water within each monitoring well was calculated using the well diameter and the water column height within the casing. At each well, groundwater was purged until groundwater geochemistry field monitoring parameters stabilized or a volume of groundwater equivalent to three well volumes was purged using a low-flow pump with new, disposable, polyethylene tubing. During purging activities, groundwater quality parameters (pH, specific conductance, dissolved oxygen [DO], oxidation-reduction potential [ORP], temperature, and turbidity) were monitored at specific intervals. Upon completion of purging activities, the groundwater samples were collected into laboratory-supplied, pre-preserved sample bottles and placed on ice prior to being submitted to TestAmerica Laboratories, Inc. (TestAmerica) in Pensacola, Florida under sample chain of custody documentation. Groundwater samples were analyzed for benzene, toluene, ethyl benzene, and xylene (BTEX), methyl tert-butyl ether (MTBE), and naphthalene using Environmental Protection Agency (EPA) Method 8260B. Laboratory analytical results are provided in **Appendix B** and summarized in **Table 2**. The ADEM Natural Attenuation Monitoring Report is presented as **Appendix C**. Purge water generated during the December 2018 tri-annual groundwater monitoring event was transferred into 55-gallon drums for temporary on-site storage. Purge water generated during the December 2018 tri-annual groundwater monitoring event will be transported for disposal off-site by Environmental Products & Services of Vermont, Inc. (EPS). Disposal documentation for purge water will be presented in the next tri-annual monitoring report.

The laboratory analytical results report indicated that the laboratory's internal quality control (QC) for recovery was within the required ADEM and/or laboratory established limits. Similarly, the trip blank results indicated that the reported BTEX results were not affected or compromised by the storage or handling of the sampling containers during the December 2018 sampling event.

1.3 Remediation Activities

As proposed in the Add CAP, approved by ADEM in correspondence dated October 18, 2018, pending receipt of the signed UIC permit, ORC socks will be installed in select wells identified with groundwater impacts, specifically monitoring well MW-6, and recovery wells RW-1 and RW-2. The

ORC socks are a localized treatment approach to remediating dissolved phase hydrocarbons by promoting the biodegradation of compounds of concern (COCs) through the uptake of oxygen. The ORC socks will be suspended into the wells within the groundwater column. ORC socks produce controlled release molecular oxygen that is utilized as a “food source” of attenuation of COCs, and has an approximate effective life of 9 to 12 months.

As part of the target application plan, monthly 8-hour MEME events will be conducted at MW-6 and RW-1 (approximately 4 hours) and MW-6 and RW-2 (approximately 4-hours). The MEME events will impart a positive head within the target application area and facilitate mixing impacted groundwater with the ORC zones of influence. During the MEME events the ORC socks will be removed from the wells. Following completion of the MEME event, the ORC socks will be replaced in the wells.

The target application area wells, MW-6, RW-1 and RW-2, as well as other monitoring wells associated with the site will be utilized to monitor the effectiveness of the ORC application and MEME events. An ORC Target Application Area Map showing the treatment area is included as **Figure 4**.

A summary of current and historical MEME event recovery data is provided in **Table 3**.

2.0 PSH Recurrence

Historical PSH levels in the wells associated with the Site are summarized in **Table 1**. Historically, measureable PSH has been observed in monitoring well MW-6 at thicknesses ranging from 0.02 foot to 0.34 foot. PSH was last detected at the Site in monitoring well MW-6 with a thickness of 0.02 foot during the November 8, 2004 gauging event. No PSH was observed in the 13 wells gauged during the December 2018 tri-annual groundwater monitoring event.

3.0 Groundwater Results

3.1 Well Gauging for Groundwater Elevation

Groundwater is monitored at the Site on a tri-annual basis. On December 11, 2018, the 13 wells currently associated with the Site were gauged for depth to water and presence of PSH. Depth to groundwater at the Site ranged from 17.19 feet below top of casing (btoc) in monitoring well MW-12 to 30.30 feet btoc in deep monitoring well MW-5D. No measurable PSH was observed in the 13 wells gauged during the December 2018 tri-annual groundwater monitoring event.

The gauging information and calculated water level purge volumes are shown in **Appendix A**. Liquid level measurements and groundwater elevations are presented in **Table 1**. A potentiometric surface map for the December 2018, groundwater monitoring event is provided as **Figure 2**.

Groundwater at the Site generally flows to the south as shown on **Figure 2.** The lateral hydraulic groundwater gradient (MW-8 to MW-10) is approximately 0.031 feet per foot (ft/ft). The inferred groundwater flow direction and calculated gradient are generally consistent with previous data.

3.2 Monitoring Well Sampling

Tri-annual groundwater gauging and sampling activities were conducted at the site on December 11 and 12, 2018. As approved in the ADEM correspondence dated May 14, 2018, three of 13 monitoring/recovery wells associated with the Site (MW-6, RW-1, and RW-2) were sampled as part of the December 2018 tri-annual groundwater monitoring event. Samples collected during the December 2018 tri-annual groundwater monitoring event were analyzed for BTEX, MTBE, and Naphthalene using EPA method 8260B. Groundwater analytical data from the December 2018 tri-annual groundwater monitoring event and SSTLs for the wells at the Site are summarized in **Table 2**. Constituents of Concern isoconcentration maps for the December 11 and 12, 2018 tri-annual groundwater monitoring event, and for the two previous tri-annual groundwater monitoring events conducted at the Site in September 2018 and January 2018, are provided as **Figures 3A** through **3C**, respectively. A copy of the analytical laboratory data report is presented in **Appendix B**. Purge water generated during the December 2018 tri-annual groundwater monitoring event was transferred into 55-gallon drums for temporary on-site storage. Purge water generated during the December 11 and 12, 2018 tri-annual groundwater monitoring event will be transported off site for disposal.

3.2.1 Groundwater Sample Analytical Results

On December 11 and 12, 2018, groundwater samples were collected from three wells currently associated with the Site (MW-6, RW-1, and RW-2). Dissolved benzene was detected in groundwater samples collected from MW-6, RW-1, and RW-2 at concentrations of 0.56 milligrams per liter (mg/L), 2.5 mg/L, and 3.9 mg/L, respectively. These reported concentrations were above the groundwater resource protection (GRP) site specific target level (SSTL) of 0.430 mg/L. No other constituents of concern were detected at concentrations in excess of their respective GRP SSTLs.

3.3 Hydrocarbon Plume Maps

The configuration of the dissolved hydrocarbon plume at the Site is radially elongated along an axis roughly parallel to the groundwater flow direction as shown on **Figure 3A**. Historical groundwater analytical results indicate that the concentrations of dissolved hydrocarbons at the site have generally decreased or remained stable with time (**Table 2**).

3.4 Waste Disposal

Purge water generated during the December 2018 tri-annual groundwater monitoring event will be transported for disposal off-site by Environmental Products & Services of Vermont, Inc. (EPS). A copy of the waste disposal manifest for the purge water will be included in the next tri-annual monitoring report.

4.0 Conclusions and Recommendations

4.1 Conclusions

After review of the data collected during the current reporting period, AECOM concludes the following:

- Measureable PSH was not observed in the wells associated with the Site during the current reporting period.

- Based on groundwater gauging data collected during the December 2018 tri-annual groundwater monitoring event, groundwater at the Site flows in a southernly direction from the source area.

- Benzene was detected at concentrations in excess of the applicable GRP SSTL of 0.43 mg/L in monitor wells MW-6, RW-1, and RW-2 at concentrations of 0.56 mg/L, 2.5 mg/L, and 3.9 mg/L, respectively. No other constituents of concern were detected at concentrations in excess of their respective GRP SSTLs.

- To date, a total of 51 MEME events have been conducted at the Site. The MEME events and natural attenuation have been effective at reducing dissolved concentrations in the wells that contain benzene concentrations above the GRP SSTLs, MW-6, RW-1 and RW-2. The concentrations of COCs in wells MW-6, RW-1 and RW-2 indicate a general decreasing or stabilizing trend over time.

An ADEM Groundwater Monitoring Report form and Certification Page are included as **Appendix D**.

4.2 Recommendations

The recommended scope of work for the reporting period February through June 2018 includes the following:

- As part of the approved October 2018 Add CAP, and subsequent to receipt of the UIC permit, AECOM proposed to install ORC socks in the wells identified with groundwater impacts, specifically monitoring well MW-6, and recovery wells RW-1 and RW-2. Additionally, as part of the target application plan, AECOM will perform monthly 8-hour MEME events at MW-6 and RW-1 and MW-6 and RW-2. A comprehensive baseline monitoring event, followed by monthly monitoring will be implemented to evaluate the effects of the ORC at target wells MW-6, RW-1 and RW-2.

- Pending receipt of the approved UIC permit application, tri-annual monitoring will continue at the site. The next tri-annual groundwater monitoring event will be conducted in April 2019.

- During the April 2019 tri-annual groundwater monitoring event, depth to water and depth to PSH (if present) measurements will be collected from each of the monitoring and recovery wells associated with the Site. Following completion of gauging activities, groundwater samples will be collected from each of the 13 monitoring/recovery wells (MW-5D, MW-6, MW-7, MW-8, MW-10, and MW-12 through MW-15, RW-1, RW-2, AS-1, and AS-2) associated with the Site during the April 2019 tri-annual monitoring event. Data from the April 2019 tri-annual groundwater monitoring event will be utilized to establish a baseline to evaluate the effects of the ORC at the Site.

Tables

Table 1
Current and Historical Groundwater Elevations
Former Chevron Facility #45480
Ozark, Alabama

Well ID	Date Measured	Top of Casing Elevation (ft)	Depth to PSH (ft-btoc)	Depth to GW (ft-btoc)	PSH Thickness (ft)	Potentiometric Elevation (ft)
MW-5D	02/12/98	389.01	ND	29.88	0.00	359.13
	07/01/98		ND	29.87	0.00	359.14
	03/09/00		ND	31.49	0.00	357.52
	06/12/02		ND	31.18	0.00	357.83
	08/28/02		ND	31.61	0.00	357.40
	12/02/02		ND	31.79	0.00	357.22
	11/08/04		ND	31.89	0.00	357.12
	04/08/05		ND	28.73	0.00	360.28
	07/13/05		ND	28.96	0.00	360.05
	11/10/05		ND	29.53	0.00	359.48
	03/08/06		ND	29.48	0.00	359.53
	07/10/06		ND	30.73	0.00	358.28
	11/07/06		ND	30.88	0.00	358.13
	06/12/07		ND	30.90	0.00	358.11
	10/11/07		ND	31.60	0.00	357.41
	02/13/08		ND	30.40	0.00	358.61
	07/09/08		ND	30.75	0.00	358.26
	10/01/08		ND	30.98	0.00	358.03
	01/16/09		ND	30.40	0.00	358.61
	04/23/09		ND	28.40	0.00	360.61
	02/09/10		ND	27.10	0.00	361.91
	10/21/10		ND	27.20	0.00	361.81
	05/31/11		ND	31.32	0.00	357.69
	08/31/11		ND	31.80	0.00	357.21
	04/03/12		ND	32.17	0.00	356.84
	06/07/12		ND	32.27	0.00	356.74
	06/12/12		ND	32.25	0.00	356.76
	10/04/12		ND	31.88	0.00	357.13
	12/04/12		ND	31.71	0.00	357.30
	02/05/13		ND	31.75	0.00	357.26
	02/07/13		ND	31.77	0.00	357.24
	03/28/14		ND	28.89	0.00	360.12
	07/03/14		ND	28.18	0.00	360.83
	08/28/14		ND	29.20	0.00	359.81
	09/05/14		ND	29.39	0.00	359.62
	10/09/14		ND	29.82	0.00	359.19
	12/11/14		ND	30.31	0.00	358.70
	01/26/15		ND	30.28	0.00	358.73

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Well ID	Date Measured	Top of Casing Elevation (ft)	Depth to PSH (ft-btoc)	Depth to GW (ft-btoc)	PSH Thickness (ft)	Potentiometric Elevation (ft)
MW-5D (cont)	04/03/15	389.01	ND	29.30	0.00	359.71
	05/05/15		ND	29.90	0.00	359.11
	07/15/15		ND	30.03	0.00	358.98
	09/16/15		ND	30.80	0.00	358.21
	09/29/15		ND	30.15	0.00	358.86
	11/18/15		ND	32.55	0.00	356.46
	02/01/16		ND	31.07	0.00	357.94
	02/02/16		ND	26.72	0.00	362.29
	05/11/16		ND	28.68	0.00	360.33
	09/13/16		ND	29.89	0.00	359.12
	05/15/17		ND	29.78	0.00	359.23
	09/26/17		ND	28.91	0.00	360.10
	01/18/18		ND	30.86	0.00	358.15
	09/05/18		ND	30.15	0.00	358.86
	12/11/18		ND	30.30	0.00	358.71
MW-6	02/12/98	390.79	ND	21.53	0.00	369.26
	07/01/98		ND	21.51	0.00	369.28
	03/09/00		22.95	22.97	0.02	367.84
	06/12/02		22.40	22.74	0.34	368.31
	08/28/02		22.67	23.01	0.34	368.04
	12/02/02		22.61	22.94	0.33	368.10
	11/08/04		22.25	22.27	0.02	368.54
	04/08/05		ND	21.66	0.00	369.13
	07/13/05		ND	21.21	0.00	369.58
	11/10/05		ND	21.59	0.00	369.20
	03/08/06		ND	22.65	0.00	368.14
	07/10/06		ND	22.17	0.00	368.62
	11/07/06		ND	22.00	0.00	368.79
	06/12/07		ND	22.54	0.00	368.25
	10/11/07		ND	22.30	0.00	368.49
	02/13/08		ND	22.12	0.00	368.67
	07/09/08		ND	22.28	0.00	368.51
	10/01/08		ND	22.28	0.00	368.51
	01/16/09		ND	23.71	0.00	367.08
	04/23/09		ND	21.73	0.00	369.06
	02/09/10		ND	20.36	0.00	370.43
	10/21/10		ND	21.82	0.00	368.97

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Well ID	Date Measured	Top of Casing Elevation (ft)	Depth to PSH (ft-btoc)	Depth to GW (ft-btoc)	PSH Thickness (ft)	Potentiometric Elevation (ft)
MW-6 (cont)	05/31/11	390.79	ND	22.51	0.00	368.28
	08/31/11		ND	22.90	0.00	367.89
	04/03/12		ND	23.37	0.00	367.42
	06/07/12		ND	23.09	0.00	367.70
	06/12/12		ND	23.15	0.00	367.64
	08/01/12		ND	22.73	0.00	368.06
	10/02/12		ND	22.07	0.00	368.72
	10/04/12		ND	22.19	0.00	368.60
	12/04/12		ND	22.42	0.00	368.37
	02/05/13		ND	22.91	0.00	367.88
	02/07/13		ND	22.95	0.00	367.84
	03/28/14		ND	21.28	0.00	369.51
	07/03/14		ND	20.59	0.00	370.20
	08/28/14		ND	21.17	0.00	369.62
	09/05/14		ND	21.30	0.00	369.49
	10/09/14		ND	21.47	0.00	369.32
	01/26/15		ND	22.15	0.00	368.64
	04/03/15		ND	21.97	0.00	368.82
	05/05/15		ND	21.68	0.00	369.11
	05/20/15		ND	21.59	0.00	369.20
	07/15/15		ND	21.52	0.00	369.27
	09/16/15		ND	21.93	0.00	368.86
	09/29/15		ND	22.05	0.00	368.74
	11/18/15		ND	22.09	0.00	368.70
	02/01/16		ND	20.83	0.00	369.96
	09/13/16		ND	29.89	0.00	360.90
	02/02/16		ND	20.74	0.00	370.05
	05/11/16		ND	20.80	0.00	369.99
	09/13/16		ND	21.46	0.00	369.33
	05/15/17		ND	21.50	0.00	369.29
	09/26/17		ND	20.55	0.00	370.24
	01/18/18		ND	21.82	0.00	368.97
	09/05/18		ND	21.52	0.00	369.27
	12/12/18		ND	21.46	0.00	369.33
MW-7	02/12/98	387.95	ND	18.02	0.00	369.93
	07/01/98		ND	18.25	0.00	369.70
	03/09/00		ND	19.76	0.00	368.19

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Ozark, Alabama

Well ID	Date Measured	Top of Casing Elevation (ft)	Depth to PSH (ft-btoc)	Depth to GW (ft-btoc)	PSH Thickness (ft)	Potentiometric Elevation (ft)
MW-7 (cont)	06/12/02	387.95	ND	19.18	0.00	368.77
	08/28/02		ND	19.13	0.00	368.82
	12/02/02		ND	19.15	0.00	368.80
	11/08/04		ND	18.58	0.00	369.37
	04/08/05		ND	18.22	0.00	369.73
	07/13/05		ND	17.65	0.00	370.30
	11/10/05		ND	18.28	0.00	369.67
	03/08/06		ND	18.59	0.00	369.36
	07/10/06		ND	19.05	0.00	368.90
	11/07/06		ND	18.71	0.00	369.24
	06/12/07		ND	19.09	0.00	368.86
	10/11/07		ND	18.93	0.00	369.02
	02/13/08		ND	18.70	0.00	369.25
	07/09/08		ND	18.95	0.00	369.00
	10/01/08		ND	18.72	0.00	369.23
	01/16/09		ND	18.56	0.00	369.39
	04/23/09		ND	17.22	0.00	370.73
	10/21/10		ND	16.51	0.00	371.44
	05/31/11		ND	19.20	0.00	368.75
	08/31/11		ND	19.68	0.00	368.27
	04/03/12		ND	20.10	0.00	367.85
	06/07/12		ND	19.77	0.00	368.18
	06/12/12		ND	19.82	0.00	368.13
	10/04/12		ND	18.70	0.00	369.25
	12/04/12		ND	19.09	0.00	368.86
	02/05/13		ND	19.82	0.00	368.13
	03/28/14		ND	17.90	0.00	370.05
	07/03/14		ND	17.31	0.00	370.64
	08/28/14		ND	17.94	0.00	370.01
	09/05/14		ND	18.01	0.00	369.94
	10/09/14		ND	18.25	0.00	369.70
	12/11/14		ND	18.70	0.00	369.25
	01/26/15		ND	18.83	0.00	369.12
	04/03/15		ND	18.52	0.00	369.43
	05/05/15		ND	18.21	0.00	369.74
	05/20/15		ND	18.09	0.00	369.86
	07/15/15		ND	18.05	0.00	369.90
	09/16/15		ND	18.58	0.00	369.37

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Well ID	Date Measured	Top of Casing Elevation (ft)	Depth to PSH (ft-btoc)	Depth to GW (ft-btoc)	PSH Thickness (ft)	Potentiometric Elevation (ft)
MW-7 (cont)	09/29/15	387.95	ND	18.65	0.00	369.30
	11/18/15		ND	18.73	0.00	369.22
	02/01/16		ND	18.01	0.00	369.94
	02/02/16		ND	16.90	0.00	371.05
	05/11/16		ND	17.26	0.00	370.69
	09/13/16		ND	19.16	0.00	368.79
	05/15/17		ND	18.03	0.00	369.92
	09/26/17		ND	16.88	0.00	371.07
	01/18/18		ND	18.40	0.00	369.55
	09/05/18		ND	18.05	0.00	369.90
	12/11/18		ND	17.88	0.00	370.07
MW-8	02/12/98	389.35	ND	19.79	0.00	369.56
	07/01/98		ND	19.93	0.00	369.42
	03/09/00		ND	21.40	0.00	367.95
	06/12/02		ND	20.59	0.00	368.76
	08/28/02		ND	20.61	0.00	368.74
	12/02/02		ND	21.04	0.00	368.31
	11/08/04		ND	24.45	0.00	364.90
	04/08/05		ND	19.97	0.00	369.38
	07/13/05		ND	19.44	0.00	369.91
	11/10/05		ND	19.95	0.00	369.40
	03/08/06		ND	20.28	0.00	369.07
	07/10/06		ND	20.63	0.00	368.72
	11/07/06		ND	20.45	0.00	368.90
	06/12/07		ND	20.81	0.00	368.54
	10/11/07		ND	20.60	0.00	368.75
	02/13/08		ND	20.45	0.00	368.90
	07/09/08		ND	20.60	0.00	368.75
	10/01/08		ND	20.45	0.00	368.90
	01/16/09		ND	20.47	0.00	368.88
	04/23/09		ND	20.01	0.00	369.34
	02/09/10		ND	18.54	0.00	370.81
	10/21/10		ND	18.87	0.00	370.48
	05/31/11		ND	20.87	0.00	368.48
	08/31/11		ND	21.32	0.00	368.03
	04/03/12		ND	21.77	0.00	367.58
	06/07/12		ND	21.50	0.00	367.85

Table 1
Current and Historical Groundwater Elevations
Former Chevron Facility #45480
Ozark, Alabama

Well ID	Date Measured	Top of Casing Elevation (ft)	Depth to PSH (ft-btoc)	Depth to GW (ft-btoc)	PSH Thickness (ft)	Potentiometric Elevation (ft)
MW-8 (cont)	06/12/12	389.35	ND	21.60	0.00	367.75
	10/04/12		ND	20.45	0.00	368.90
	12/04/12		ND	20.79	0.00	368.56
	02/05/13		ND	21.36	0.00	367.99
	02/07/13		ND	21.35	0.00	368.00
	03/28/14		ND	19.60	0.00	369.75
	07/03/14		ND	19.02	0.00	370.33
	08/28/14		ND	19.60	0.00	369.75
	09/05/14		ND	19.69	0.00	369.66
	10/09/14		ND	19.92	0.00	369.43
	01/26/15		ND	20.54	0.00	368.81
	04/03/15		ND	20.29	0.00	369.06
	05/20/15		ND	19.84	0.00	369.51
	07/15/15		ND	19.90	0.00	369.45
	09/16/15		ND	20.31	0.00	369.04
	09/29/15		ND	21.34	0.00	368.01
	11/18/15		ND	20.54	0.00	368.81
	02/01/16		ND	19.73	0.00	369.62
	02/02/16		ND	18.73	0.00	370.62
	05/11/16		ND	19.03	0.00	370.32
	09/13/16		ND	19.88	0.00	369.47
	05/15/17		ND	19.78	0.00	369.57
	09/26/17		ND	18.70	0.00	370.65
	01/18/18		ND	20.13	0.00	369.22
	09/05/18		ND	19.80	0.00	369.55
	12/11/18		ND	19.62	0.00	369.73
MW-10	02/12/98	388.99	ND	23.58	0.00	365.41
	07/01/98		ND	27.52	0.00	361.47
	03/09/00		ND	29.37	0.00	359.62
	06/12/02		ND	NM	NA	NM
	08/28/02		ND	NM	NA	NM
	12/02/02		ND	29.26	0.00	359.73
	11/08/04		ND	29.36	0.00	359.63
	04/08/05		ND	23.04	0.00	365.95
	07/13/05		ND	26.66	0.00	362.33
	11/10/05		ND	28.10	0.00	360.89
	03/08/06		ND	27.05	0.00	361.94

Table 1
Current and Historical Groundwater Elevations
Former Chevron Facility #45480
Ozark, Alabama

Well ID	Date Measured	Top of Casing Elevation (ft)	Depth to PSH (ft-btoc)	Depth to GW (ft-btoc)	PSH Thickness (ft)	Potentiometric Elevation (ft)
MW-10 (cont)	07/10/06	388.99	ND	Dry	Dry	Dry
	11/07/06		ND	29.66	0.00	359.33
	06/12/07		ND	29.66	0.00	359.33
	10/11/07		ND	30.28	0.00	358.71
	02/13/08		ND	25.54	0.00	363.45
	07/09/08		ND	29.72	0.00	359.27
	10/01/08		ND	30.23	0.00	358.76
	01/16/09		ND	27.53	0.00	361.46
	04/23/09		ND	26.32	0.00	362.67
	02/09/10		ND	29.20	0.00	359.79
	10/21/10		ND	26.78	0.00	362.21
	05/31/11		ND	Dry	Dry	Dry
	08/31/11		ND	Dry	Dry	Dry
	10/04/12		ND	Dry	Dry	Dry
	02/07/13		ND	30.18	0.00	358.81
	07/03/14		ND	25.50	0.00	363.49
	08/28/14		ND	27.45	0.00	361.54
	09/05/14		ND	27.60	0.00	361.39
	12/11/14		ND	28.26	0.00	360.73
	10/09/14		ND	27.85	0.00	361.14
	01/26/15		ND	28.66	0.00	360.33
	04/03/15		ND	28.59	0.00	360.40
	05/05/15		ND	26.61	0.00	362.38
	05/20/15		ND	27.40	0.00	361.59
	07/15/15		ND	28.80	0.00	360.19
	09/16/15		ND	30.30	0.00	358.69
	09/29/15		ND	24.20	0.00	364.79
	11/18/15		ND	29.34	0.00	359.65
	02/01/16		ND	28.27	0.00	360.72
	02/02/16		ND	19.38	0.00	369.61
	05/11/16		ND	25.38	0.00	363.61
	09/13/16		ND	29.00	0.00	359.99
	05/15/17		ND	28.17	0.00	360.82
	09/26/17		ND	27.27	0.00	361.72
	01/18/18		ND	29.69	0.00	359.30
	09/05/18		ND	29.67	0.00	359.32
	12/11/18		ND	28.44	0.00	360.55

Table 1
Current and Historical Groundwater Elevations
Former Chevron Facility #45480
Ozark, Alabama

Well ID	Date Measured	Top of Casing Elevation (ft)	Depth to PSH (ft-btoc)	Depth to GW (ft-btoc)	PSH Thickness (ft)	Potentiometric Elevation (ft)
MW-11	02/12/98	390.04	ND	22.48	0.00	367.56
	07/01/98		ND	22.42	0.00	367.62
	03/09/00		ND	23.95	0.00	366.09
	06/12/02		ND	23.50	0.00	366.54
	08/28/02		ND	23.75	0.00	366.29
	12/02/02		ND	23.80	0.00	366.24
	11/08/04		Unable to Locate - Well Paved Over			
	07/13/05		Unable to Locate - Well Paved Over			
	11/10/05		Unable to Locate - Well Paved Over			
	03/08/06		Unable to Locate - Well Paved Over			
	07/10/06		Unable to Locate - Well Paved Over			
	11/07/06		Unable to Locate - Well Paved Over			
	06/12/07		Unable to Locate - Well Paved Over			
	10/21/10		Unable to Locate - Well Paved Over			
	05/31/11		Unable to Locate - Well Paved Over			
	08/31/11		Unable to Locate - Well Paved Over			
	04/03/12		Well Destroyed			
MW-12	03/09/00	387.87	ND	28.35	0.00	359.52
	06/12/02		ND	NM	NA	NM
	08/28/02		ND	28.48	0.00	359.39
	12/02/02		ND	28.46	0.00	359.41
	11/08/04		ND	26.78	0.00	361.09
	04/08/05		ND	24.65	0.00	363.22
	07/13/05		ND	23.01	0.00	364.86
	11/10/05		ND	21.96	0.00	365.91
	03/08/06		ND	23.15	0.00	364.72
	07/10/06		ND	23.86	0.00	364.01
	11/07/06		ND	21.73	0.00	366.14
	06/12/07		ND	23.28	0.00	364.59
	10/11/07		ND	22.22	0.00	365.65
	02/13/08		ND	19.35	0.00	368.52
	07/09/08		ND	19.00	0.00	368.87
	10/01/08		ND	18.58	0.00	369.29
	01/16/09		ND	18.47	0.00	369.40
	04/23/09		ND	17.96	0.00	369.91
	02/09/10		ND	16.35	0.00	371.52
	10/21/10		ND	17.87	0.00	370.00

Table 1
Current and Historical Groundwater Elevations
Former Chevron Facility #45480
Ozark, Alabama

Well ID	Date Measured	Top of Casing Elevation (ft)	Depth to PSH (ft-btoc)	Depth to GW (ft-btoc)	PSH Thickness (ft)	Potentiometric Elevation (ft)
MW-12 (cont)	05/31/11	387.87	ND	18.73	0.00	369.14
	08/31/11		ND	19.12	0.00	368.75
	06/12/12		ND	19.50	0.00	368.37
	10/04/12		ND	18.30	0.00	369.57
	02/07/13		ND	17.79	0.00	370.08
	07/03/14		ND	16.56	0.00	371.31
	08/28/14		ND	17.13	0.00	370.74
	09/05/14		ND	17.20	0.00	370.67
	12/11/14		ND	17.92	0.00	369.95
	01/26/15		ND	17.88	0.00	369.99
	05/20/15		ND	17.20	0.00	370.67
	07/15/15		ND	17.12	0.00	370.75
	09/16/15		ND	17.75	0.00	370.12
	09/29/15		ND	17.63	0.00	370.24
	11/18/15		ND	17.56	0.00	370.31
	02/01/16		ND	16.01	0.00	371.86
	02/02/16		ND	16.81	0.00	371.06
	05/11/16		ND	16.79	0.00	371.08
	09/13/16		ND	14.73	0.00	373.14
	05/15/17		ND	17.40	0.00	370.47
	09/26/17		ND	16.31	0.00	371.56
	01/18/18		ND	17.85	0.00	370.02
	09/05/18		ND	17.37	0.00	370.50
	12/12/18		ND	17.19	0.00	370.68
MW-13	03/09/00	388.68	ND	22.52	0.00	366.16
	06/12/02		ND	19.73	0.00	368.95
	08/28/02		ND	19.72	0.00	368.96
	12/02/02		ND	20.17	0.00	368.51
	11/08/04		ND	20.45	0.00	368.23
	04/08/05		ND	19.17	0.00	369.51
	07/13/05		ND	18.59	0.00	370.09
	11/10/05		ND	19.15	0.00	369.53
	03/08/06		ND	19.79	0.00	368.89
	07/10/06		ND	19.95	0.00	368.73
	11/07/06		ND	19.63	0.00	369.05
	06/12/07		ND	20.00	0.00	368.68
	10/11/07		ND	19.74	0.00	368.94

Table 1
Current and Historical Groundwater Elevations
Former Chevron Facility #45480
Ozark, Alabama

Well ID	Date Measured	Top of Casing Elevation (ft)	Depth to PSH (ft-btoc)	Depth to GW (ft-btoc)	PSH Thickness (ft)	Potentiometric Elevation (ft)
MW-13 (cont)	02/13/08	388.68	ND	19.50	0.00	369.18
	07/09/08		ND	19.89	0.00	368.79
	10/01/08		ND	19.55	0.00	369.13
	01/16/09		ND	19.41	0.00	369.27
	04/23/09		ND	19.06	0.00	369.62
	02/09/10		ND	17.55	0.00	371.13
	10/21/10		ND	19.00	0.00	369.68
	05/31/11		ND	20.26	0.00	368.42
	08/31/11		ND	19.60	0.00	369.08
	04/03/12		ND	20.98	0.00	367.70
	06/07/12		ND	20.68	0.00	368.00
	06/12/12		ND	20.69	0.00	367.99
	10/04/12		ND	19.51	0.00	369.17
	12/04/12		ND	19.95	0.00	368.73
	02/05/13		ND	20.47	0.00	368.21
	02/07/13		ND	20.49	0.00	368.19
	03/28/14		ND	18.67	0.00	370.01
	07/03/14		ND	18.13	0.00	370.55
	08/28/14		ND	18.80	0.00	369.88
	09/05/14		ND	18.88	0.00	369.80
	10/09/14		ND	19.13	0.00	369.55
	12/11/14		ND	19.54	0.00	369.14
	01/26/15		ND	19.59	0.00	369.09
	04/03/15		ND	19.31	0.00	369.37
	05/05/15		ND	18.93	0.00	369.75
	05/30/15		ND	18.05	0.00	370.63
	07/15/15		ND	18.87	0.00	369.81
	09/16/15		ND	19.41	0.00	369.27
	09/29/15		ND	19.90	0.00	368.78
	11/18/15		ND	19.54	0.00	369.14
	02/01/16		ND	18.90	0.00	369.78
	02/02/16		ND	17.60	0.00	371.08
	05/11/16		ND	18.10	0.00	370.58
	09/13/16		ND	19.01	0.00	369.67
	05/15/17		ND	18.90	0.00	369.78
	09/26/17		ND	17.62	0.00	371.06
	01/18/18		ND	19.27	0.00	369.41
	09/05/18		Not Gauged - Well Not Found			
	12/11/18		ND	18.66	0.00	370.02

Table 1
Current and Historical Groundwater Elevations
Former Chevron Facility #45480
Ozark, Alabama

Well ID	Date Measured	Top of Casing Elevation (ft)	Depth to PSH (ft-btoc)	Depth to GW (ft-btoc)	PSH Thickness (ft)	Potentiometric Elevation (ft)
MW-14	03/09/00	388.72	ND	21.48	0.00	367.24
	06/12/02		ND	21.34	0.00	367.38
	08/28/02		ND	21.49	0.00	367.23
	12/02/02		ND	21.71	0.00	367.01
	11/08/04		ND	21.71	0.00	367.01
	04/08/05		ND	20.52	0.00	368.20
	07/13/05		ND	20.19	0.00	368.53
	11/10/05		ND	20.91	0.00	367.81
	03/08/06		ND	21.25	0.00	367.47
	07/10/06		ND	21.49	0.00	367.23
	11/07/06		ND	21.42	0.00	367.30
	06/12/07		ND	21.70	0.00	367.02
	10/11/07		ND	21.60	0.00	367.12
	02/13/08		ND	21.26	0.00	367.46
	07/09/08		ND	21.38	0.00	367.34
	10/01/08		ND	21.03	0.00	367.69
	01/16/09		ND	21.11	0.00	367.61
	04/23/09		ND	19.18	0.00	369.54
	02/09/10		ND	20.10	0.00	368.62
	10/21/10		ND	20.20	0.00	368.52
	05/31/11		ND	23.30	0.00	365.42
	08/31/11		ND	22.02	0.00	366.70
	06/07/12		ND	22.06	0.00	366.66
	06/12/12		ND	21.72	0.00	367.00
	10/04/12		ND	18.41	0.00	370.31
	12/04/12		ND	21.72	0.00	367.00
	02/05/13		ND	21.98	0.00	366.74
	02/07/13		ND	21.55	0.00	367.17
	07/03/14		ND	20.24	0.00	368.48
	08/28/14		ND	20.43	0.00	368.29
	09/05/14		ND	20.65	0.00	368.07
	10/09/14		ND	20.75	0.00	367.97
	12/11/14		ND	20.21	0.00	368.51
	01/26/15		ND	21.32	0.00	367.40
	04/03/15		ND	21.32	0.00	367.40
	05/05/15		ND	20.94	0.00	367.78
	05/20/15		ND	20.83	0.00	367.89
	07/15/15		ND	20.81	0.00	367.91

Table 1
Current and Historical Groundwater Elevations
Former Chevron Facility #45480
Ozark, Alabama

Well ID	Date Measured	Top of Casing Elevation (ft)	Depth to PSH (ft-btoc)	Depth to GW (ft-btoc)	PSH Thickness (ft)	Potentiometric Elevation (ft)
MW-14 (cont)	09/16/15	388.72	ND	20.90	0.00	367.82
	09/29/15		ND	19.52	0.00	369.20
	11/18/15		ND	21.09	0.00	367.63
	02/01/16		ND	20.04	0.00	368.68
	02/02/16		ND	20.20	0.00	368.52
	05/11/16		ND	21.37	0.00	367.35
	09/13/16		ND	20.78	0.00	367.94
	05/15/17		ND	20.83	0.00	367.89
	09/26/17		ND	20.32	0.00	368.40
	01/18/18		ND	21.14	0.00	367.58
	09/05/18		ND	20.87	0.00	367.85
	12/11/18		ND	20.75	0.00	367.97
MW-15	03/09/00	388.43	ND	30.24	0.00	358.19
	06/12/02		ND	30.85	0.00	357.58
	08/28/02		ND	32.12	0.00	356.31
	12/02/02		ND	31.42	0.00	357.01
	11/08/04		ND	30.88	0.00	357.55
	04/08/05		ND	24.92	0.00	363.51
	07/13/05		ND	27.67	0.00	360.76
	11/10/05		ND	29.72	0.00	358.71
	03/08/06		ND	27.95	0.00	360.48
	07/10/06		ND	30.79	0.00	357.64
	11/07/06		ND	31.04	0.00	357.39
	06/12/07		ND	30.55	0.00	357.88
	10/11/07		ND	31.65	0.00	356.78
	02/13/08		ND	28.20	0.00	360.23
	07/09/08		ND	30.45	0.00	357.98
	10/01/08		ND	31.02	0.00	357.41
	01/16/09		ND	28.95	0.00	359.48
	04/23/09		ND	27.27	0.00	361.16
	02/09/10		ND	28.73	0.00	359.70
	10/21/10		ND	27.38	0.00	361.05
	05/31/11		ND	31.09	0.00	357.34
	08/31/11		ND	31.08	0.00	357.35
	06/12/12		ND	31.70	0.00	356.73
	10/04/12		ND	30.22	0.00	358.21
	02/07/13		ND	31.10	0.00	357.33

Table 1
Current and Historical Groundwater Elevations
Former Chevron Facility #45480
Ozark, Alabama

Well ID	Date Measured	Top of Casing Elevation (ft)	Depth to PSH (ft-btoc)	Depth to GW (ft-btoc)	PSH Thickness (ft)	Potentiometric Elevation (ft)
MW-15 (cont)	07/03/14	388.43	ND	27.35	0.00	361.08
	08/28/14		ND	28.85	0.00	359.58
	09/05/14		ND	29.09	0.00	359.34
	10/09/14		ND	29.60	0.00	358.83
	12/11/14		ND	30.37	0.00	358.06
	01/26/15		ND	29.91	0.00	358.52
	04/03/15		ND	29.75	0.00	358.68
	05/05/15		ND	28.31	0.00	360.12
	05/20/15		ND	28.82	0.00	359.61
	07/15/15		ND	29.77	0.00	358.66
	09/16/15		ND	30.91	0.00	357.52
	09/29/15		ND	26.32	0.00	362.11
	11/18/15		ND	30.27	0.00	358.16
	02/01/16		ND	29.33	0.00	359.10
	02/02/16		ND	25.73	0.00	362.70
	05/11/16		ND	27.28	0.00	361.15
	09/13/16		ND	29.79	0.00	358.64
	05/15/17		ND	28.94	0.00	359.49
	09/26/17		ND	27.98	0.00	360.45
	01/18/18		ND	29.94	0.00	358.49
	09/05/18		ND	30.10	0.00	358.33
	12/11/18		ND	29.28	0.00	359.15
RW-1	07/09/08	390.40	ND	21.75	0.00	368.65
	10/01/08		ND	21.61	0.00	368.79
	01/16/09		ND	22.20	0.00	368.20
	04/23/09		ND	21.22	0.00	369.18
	02/09/10		ND	19.76	0.00	370.64
	10/21/10		ND	21.25	0.00	369.15
	05/31/11		ND	21.95	0.00	368.45
	08/31/11		ND	22.36	0.00	368.04
	04/03/12		ND	22.82	0.00	367.58
	06/07/12		ND	22.53	0.00	367.87
	06/12/12		ND	23.09	0.00	367.31
	08/01/12		ND	22.16	0.00	368.24
	10/02/12		ND	21.52	0.00	368.88
	10/04/12		ND	21.61	0.00	368.79
	12/04/12		ND	21.85	0.00	368.55

Table 1
Current and Historical Groundwater Elevations
Former Chevron Facility #45480
Ozark, Alabama

Well ID	Date Measured	Top of Casing Elevation (ft)	Depth to PSH (ft-btoc)	Depth to GW (ft-btoc)	PSH Thickness (ft)	Potentiometric Elevation (ft)
RW-1 (cont)	02/05/13	390.40	ND	22.33	0.00	368.07
	02/07/13		ND	22.39	0.00	368.01
	03/28/14		ND	20.71	0.00	369.69
	07/03/14		ND	20.02	0.00	370.38
	08/28/14		ND	20.59	0.00	369.81
	09/05/14		ND	20.70	0.00	369.70
	10/09/11		ND	20.92	0.00	369.48
	12/11/14		ND	21.40	0.00	369.00
	01/26/15		ND	21.63	0.00	368.77
	04/03/15		ND	21.40	0.00	369.00
	05/05/15		ND	21.14	0.00	369.26
	05/20/15		ND	21.01	0.00	369.39
	07/15/15		ND	20.95	0.00	369.45
	09/16/15		ND	21.36	0.00	369.04
	09/29/15		ND	21.48	0.00	368.92
	11/18/15		ND	21.56	0.00	368.84
	02/01/16		ND	20.06	0.00	370.34
	02/02/16		ND	20.14	0.00	370.26
	05/11/16		ND	20.18	0.00	370.22
	09/13/16		ND	20.87	0.00	369.53
	05/15/17		ND	20.90	0.00	369.50
	09/26/17		ND	19.96	0.00	370.44
	01/18/18		ND	21.24	0.00	369.16
	09/05/18		ND	20.95	0.00	369.45
	12/11/18		ND	20.92	0.00	369.48
RW-2	07/09/08	391.25	ND	22.80	0.00	368.45
	10/01/08		ND	22.81	0.00	368.44
	01/16/09		ND	24.01	0.00	367.24
	04/23/09		ND	22.35	0.00	368.90
	02/09/10		ND	20.90	0.00	370.35
	10/21/10		ND	22.31	0.00	368.94
	05/31/11		ND	23.04	0.00	368.21
	08/31/11		ND	23.41	0.00	367.84
	04/03/12		ND	23.89	0.00	367.36
	06/07/12		ND	23.63	0.00	367.62
	06/12/12		ND	23.69	0.00	367.56
	08/01/12		ND	23.30	0.00	367.95

Table 1
Current and Historical Groundwater Elevations
Former Chevron Facility #45480
Ozark, Alabama

Well ID	Date Measured	Top of Casing Elevation (ft)	Depth to PSH (ft-btoc)	Depth to GW (ft-btoc)	PSH Thickness (ft)	Potentiometric Elevation (ft)
RW-2 (cont)	10/02/12	391.25	ND	22.63	0.00	368.62
	10/04/12		ND	22.71	0.00	368.54
	12/04/12		ND	22.95	0.00	368.30
	02/05/13		ND	23.39	0.00	367.86
	02/07/13		ND	23.48	0.00	367.77
	03/28/14		ND	21.85	0.00	369.40
	07/03/14		ND	21.12	0.00	370.13
	08/28/14		ND	21.67	0.00	369.58
	09/05/14		ND	21.80	0.00	369.45
	10/09/14		ND	22.02	0.00	369.23
	12/11/14		ND	22.47	0.00	368.78
	01/26/15		ND	22.70	0.00	368.55
	04/03/15		ND	22.55	0.00	368.70
	05/05/15		ND	22.30	0.00	368.95
	05/20/15		ND	27.27	0.00	363.98
	07/15/15		ND	22.10	0.00	369.15
	09/16/15		ND	22.47	0.00	368.78
	09/29/15		ND	22.60	0.00	368.65
	11/18/15		ND	22.63	0.00	368.62
	02/01/16		ND	21.26	0.00	369.99
	02/02/16		ND	21.39	0.00	369.86
	05/11/16		ND	21.35	0.00	369.90
	09/13/16		ND	22.04	0.00	369.21
	05/15/17		ND	22.06	0.00	369.19
	09/26/17		ND	21.20	0.00	370.05
	01/18/18		ND	22.36	0.00	368.89
	09/05/18		ND	22.07	0.00	369.18
	12/12/18		ND	22.08	0.00	369.17
AS-1	04/03/15	NS	ND	31.83	0.00	NS
	05/05/15		ND	31.39	0.00	NS
	05/20/15		ND	31.20	0.00	NS
	09/16/15		ND	32.40	0.00	NS
	11/18/15		ND	32.55	0.00	NS
	02/01/16		ND	30.14	0.00	NS
	02/02/16		ND	28.64	0.00	NS
	05/11/16		ND	30.25	0.00	NS
	09/13/16		ND	31.54	0.00	NS

Table 1
Current and Historical Groundwater Elevations
Former Chevron Facility #45480
Ozark, Alabama

Well ID	Date Measured	Top of Casing Elevation (ft)	Depth to PSH (ft-btoc)	Depth to GW (ft-btoc)	PSH Thickness (ft)	Potentiometric Elevation (ft)
AS-1 (cont)	05/15/17	NS	ND	31.44	0.00	NS
	09/26/17		ND	30.50	0.00	NS
	01/18/18		Not Gauged			
	09/05/18		ND	31.90	0.00	NS
	12/11/18		ND	31.90	0.00	NS
AS-2	04/03/15	NS	ND	32.37	0.00	NS
	05/05/15		ND	33.88	0.00	NS
	05/20/15		ND	31.76	0.00	NS
	09/16/15		ND	32.28	0.00	NS
	11/18/15		ND	32.62	0.00	NS
	02/01/16		ND	30.09	0.00	NS
	02/02/16		ND	29.84	0.00	NS
	05/11/16		ND	30.75	0.00	NS
	09/13/16		ND	32.17	0.00	NS
	05/15/17		ND	32.00	0.00	NS
	09/26/17		ND	31.10	0.00	NS
	01/18/18		Not Gauged			
	09/05/18		ND	32.45	0.00	NS
	12/11/18		ND	32.41	0.00	NS

Notes:
All Elevations are refenced to the National Geodetic Vertical Datum (NGVD)
GW = groundwater
PSH = phase-separated hydrocarbons
ft = feet
ft-btoc = feet below top of casing
NM = Not measured
NA = Not Applicable
NS = Not Surveyed
ND = Not Detected

Table 2
Current and Historical Groundwater Analytical Data
Former Chevron Facility #45480
Ozark, Alabama

Well ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethyl-benzene (mg/L)	Xylenes (mg/L)	Total BTEX (mg/L)	MTBE (mg/L)	Naphthalene (mg/L)	Lead (mg/L)
MW-5D	04/05/94	**0.014**	**0.035**	**0.007**	**0.063**	**0.1190**	NA	NA	NA
	10/31/94	**0.0029**	**0.006**	**0.002**	**0.010**	**0.0197**	NA	NA	NA
	02/20/95	**0.006**	**0.014**	**0.001**	**0.011**	**0.0325**	NA	NA	NA
	06/24/96	**0.001**	**0.001**	<0.005	**0.003**	**0.0043**	NA	NA	NA
	11/06/97	<0.0005	**0.001**	<0.0005	**0.002**	**0.0022**	<0.0005	NA	<0.003
	02/12/98	<0.0005	<0.0005	<0.0005	<0.001	<0.0025	<0.0005	NA	NA
	07/01/98	**0.001**	**0.0047**	<0.0005	<0.001	**0.0057**	<0.0005	NA	<0.003
	03/09/00	**0.001**	**0.011**	**0.012**	**0.087**	**0.1110**	<0.0005	NA	<0.003
	06/12/02	**0.025**	<0.0005	<0.0005	<0.001	**0.0250**	<0.0005	NA	<0.003
	08/28/02	**0.0927**	<0.0005	<0.0005	<0.001	**0.0927**	<0.0005	NA	**0.0037**
	12/02/02	**0.017**	<0.0005	<0.0005	<0.001	**0.0170**	<0.0005	NA	**0.0070**
	04/08/05	**0.00489**	<0.0005	<0.0005	**0.00116**	**0.0061**	<0.0005	NA	NA
	07/13/05	**0.00212**	<0.0005	<0.0005	**1.00116**	**0.0021**	<0.0005	NA	NA
	11/10/05	**0.0357**	<0.0005	<0.0005	<0.001	**0.0357**	<0.0005	NA	NA
	03/08/06	**0.00279**	<0.0005	<0.0005	<0.0015	**0.00279**	<0.0005	NA	NA
	07/10/06	<0.001	<0.001	<0.001	<0.002	<0.005	<0.001	NA	NA
	11/07/06	<0.001	<0.001	<0.001	<0.002	<0.005	<0.001	NA	NA
	06/12/07	<0.001	<0.001	<0.001	<0.002	<0.005	<0.001	NA	NA
	10/11/07	<0.001	<0.001	<0.001	<0.002	<0.005	<0.001	NA	NA
	02/13/08	<0.001	**0.0018**	<0.001	<0.002	**0.0018**	<0.001	NA	NA
	07/09/08	<0.001	<0.001	<0.001	<0.002	<0.005	<0.001	NA	NA
	10/01/08	<0.001	<0.001	<0.001	<0.002	<0.005	<0.001	NA	NA
	05/31/11	<0.001	<0.001	<0.001	<0.002	<0.005	<0.001	NA	NA
	06/12/12	<0.001	<0.001	<0.001	<0.002	<0.005	<0.001	NA	NA
	03/28/14	<0.001	<0.001	<0.001	<0.002	<0.005	<0.001	NA	NA
	05/20/15	<0.001	<0.001	<0.001	<0.005	<0.008	<0.001	<0.001	NA
	05/12/16	<0.0010	<0.0010	<0.0010	<0.0050	<0.0080	<0.0010	<0.0010	NA
	05/15/17	0.0017	<0.0010	<0.0010	<0.0020	0.0017	<0.0010	<0.0010	NA
	09/26/17	Not Sampled							
	01/18/18	Not Sampled							
	09/06/18	<0.0010	<0.0010	<0.0010	<0.0020	<0.0050	<0.0010	<0.0010	NA
	12/11/18	Not Sampled							
GRP SOURCE SSTL		**0.430**	**86.0**	**60.2**	**175**	**NE**	**1.72**	**1.72**	**NE**
MW-6	04/05/94	**6.60**	**10.00**	**0.980**	**11.0**	**28.580**	NA	NA	NA
	10/31/94	**2.20**	**3.30**	**0.370**	**5.2**	**11.070**	NA	NA	NA
	02/20/95	**2.40**	**4.70**	**0.550**	**5.8**	**13.450**	NA	NA	NA
	06/24/96	**2.40**	**5.40**	**0.790**	**6.6**	**15.190**	NA	NA	NA
	11/06/97	**4.00**	**7.30**	**1.400**	**11.0**	**23.700**	**0.80**	NA	NA
	02/12/98	**5.10**	**8.50**	**1.200**	**9.2**	**24.000**	**1.20**	NA	NA
	07/01/98	**5.10**	**7.20**	**1.000**	**8.6**	**21.900**	**1.20**	NA	**0.012**
	03/09/00	Not Sampled (PSH 0.02 Foot)							
	06/12/02	Not Sampled (PSH 0.34 Foot)							
	08/28/02	Not Sampled (PSH 0.34 Foot)							
	12/02/02	Not Sampled (PSH 0.33 Foot)							
	11/08/04	Not Sampled (PSH 0.02 Foot)							
	04/08/05	**10.20**	**14.500**	**2.040**	**15.360**	**42.100**	**0.847**	NA	NA
	07/13/05	**10.30**	**18.500**	**2.700**	**21.950**	**53.450**	**0.868**	NA	NA
	11/10/05	**9.01**	**14.100**	**2.000**	**14.520**	**39.630**	**0.671**	NA	NA
	03/08/06	**8.750**	**13.300**	**1.560**	**9.860**	**33.470**	**0.547**	NA	NA
	07/10/06	**11.0**	**15.0**	**1.9**	**12.0**	**39.900**	**0.56**	NA	NA
	11/07/06	**9.1**	**12.0**	**1.2**	**8.2**	**30.5**	**0.60**	NA	NA
	06/12/07	**7.2**	**13.0**	**1.8**	**12.0**	**34.0**	**0.40**	NA	NA
	10/11/07	**7.7**	**13.0**	**1.5**	**12.0**	**34.2**	**0.33**	NA	NA

Table 2
Current and Historical Groundwater Analytical Data
Former Chevron Facility #45480
Ozark, Alabama

Well ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethyl-benzene (mg/L)	Xylenes (mg/L)	Total BTEX (mg/L)	MTBE (mg/L)	Naphthalene (mg/L)	Lead (mg/L)
MW-6 (cont)	02/13/08	**6.6**	**15.0**	**1.9**	**13.0**	**36.5**	**0.38**	NA	NA
	07/09/08	**10.0**	**18.0**	**1.8**	**12.0**	**41.8**	**0.22**	NA	NA
	10/01/08	**6.7**	**12.0**	**1.3**	**7.9**	**27.9**	**0.31**	NA	NA
	01/16/09	**6.8**	**16.0**	**1.7**	**12.0**	**36.5**	**0.13**	NA	NA
	04/23/09	**6.0**	**14.0**	**1.4**	**9.8**	**31.2**	**0.14**	NA	NA
	02/09/10	**0.91**	**1.9**	**0.36**	**3.3**	**6.47**	<0.010	NA	NA
	10/21/10	**12.0**	**24.0**	**1.30**	**9.9**	**47.20**	<0.20	NA	NA
	05/31/11	**6.2**	**17.0**	**1.70**	**12.0**	**36.90**	<0.10	NA	NA
	08/31/11	**7.5**	**16.0**	**2.30**	**14.0**	**39.80**	**0.44**	NA	NA
	06/12/12	**5.9**	**14.0**	**1.40**	**10.0**	**31.30**	**0.54**	NA	NA
	10/04/12	**3.7**	**0.13**	**0.93**	**9.1**	**13.86**	**0.18**	NA	NA
	02/07/13	**3.3**	**12.0**	**1.6**	**11.0**	**27.90**	**0.31**	NA	NA
	03/28/14	**0.79**	**5.3**	**1.2**	**10.0**	**17.29**	<0.050	NA	NA
	09/05/14	**5.10**	**14.0**	**2.1**	**14.0**	**35.20**	**0.55**	**0.72**	NA
	01/26/15	**0.43**	**1.5**	**0.33**	**2.6**	**4.86**	**0.24**	**0.55**	NA
	05/20/15	**1.2**	**0.76**	**0.19**	**1.6**	**3.75**	**0.14**	**0.15**	NA
	09/29/15	**3.5**	**5.4**	**0.76**	**5.4**	**15.06**	**0.15**	**0.65**	NA
	02/02/16	**0.077**	**0.093**	**0.061**	**0.49**	**0.721**	**0.14**	**0.70**	NA
	05/12/16	**0.0088**	**0.0057**	**0.0014**	**0.013**	**0.029**	**0.011**	**0.0026**	NA
	09/13/16	**2.0**	**0.20**	**0.15**	**0.99**	**3.34**	**0.19**	**1.1**	NA
	05/15/17	**3.5**	**4.3**	**0.46**	**3.4**	**11.66**	**0.19**	**0.75**	NA
	09/26/17	**2.7**	**5.9**	**0.61**	**5.6**	**14.81**	**0.060**	**0.69**	NA
	09/26/17*	**2.7**	**5.7**	**0.59**	**5.5**	**14.49**	**0.059**	**0.68**	NA
	01/18/18	**3.0**	**9.2**	**1.4**	**9.9**	**23.5**	**0.20**	**0.69**	NA
	09/06/18	**3.4**	**14**	**2.3**	**17**	**36.7**	<0.10	**0.82**	NA
	12/12/18	**0.45**	**0.68**	**0.19**	**1.4**	**2.72**	**0.012**	**0.095**	NA
	12/12/18*	**0.56**	**0.95**	**0.28**	**2.1**	**3.89**	**0.016**	**0.15**	NA
GRP SOURCE SSTL		**0.430**	**86.0**	**60.2**	**175**	**NE**	**1.72**	**1.72**	**NE**
MW-7	04/05/94	<0.0005	<0.0005	<0.0005	<0.001	<0.0025	NA	NA	NA
	10/31/94	**0.012**	<0.0005	<0.0005	**0.022**	**0.034**	NA	NA	NA
	02/20/95	**0.007**	<0.0005	<0.0005	**0.012**	**0.019**	NA	NA	NA
	06/24/96	<0.0005	<0.0005	<0.0005	<0.001	<0.0025	NA	NA	NA
	11/06/97	<0.0005	<0.0005	<0.0005	<0.001	<0.0025	**0.002**	NA	NA
	02/12/98	<0.0005	<0.0005	<0.0005	<0.001	<0.0025	<0.0005	NA	NA
	07/01/98	<0.0005	<0.0005	<0.0005	<0.001	<0.0025	<0.0005	NA	<0.003
	03/09/00	**0.00056**	<0.0005	<0.0005	<0.001	**0.0006**	<0.0005	NA	<0.003
	06/12/02	**0.0020**	**0.00110**	<0.0005	**0.0037**	**0.0068**	**0.03560**	NA	<0.003
	08/28/02	**0.0080**	**0.00290**	<0.0005	**0.0050**	**0.0159**	<0.0005	NA	<0.003
	12/02/02	**0.0047**	<0.0005	<0.0005	**0.0032**	**0.0079**	**0.02360**	NA	**0.01570**
	04/08/05	**0.000791**	**0.00515**	<0.0005	<0.0015	**0.0059**	**0.00370**	NA	NA
	07/13/05	<0.0005	<0.0005	<0.0005	<0.0015	<0.003	**0.00155**	NA	NA
	11/10/05	**0.00177**	<0.0005	<0.0005	<0.0015	**0.00177**	**0.0102**	NA	NA
	03/08/06	**0.00138**	**0.000638**	<0.0005	<0.0015	**0.002018**	<0.0005	NA	NA
	07/10/06	**0.0016**	<0.001	<0.001	<0.002	**0.0016**	<0.001	NA	NA
	11/07/06	<0.001	<0.001	<0.001	<0.002	<0.005	<0.001	NA	NA
	06/12/07	<0.001	<0.001	<0.001	<0.002	<0.005	<0.001	NA	NA
	10/11/07	<0.001	**0.0017**	<0.001	<0.002	**0.0017**	<0.001	NA	NA
	02/13/08	<0.001	<0.001	<0.001	<0.002	<0.005	<0.001	NA	NA
	07/09/08	<0.001	<0.001	<0.001	<0.002	<0.005	<0.001	NA	NA
	10/01/08	<0.001	<0.001	<0.001	<0.002	<0.005	<0.001	NA	NA
	05/31/11	<0.001	<0.001	<0.001	<0.002	<0.005	<0.001	NA	NA
	06/12/12	<0.001	<0.001	<0.001	<0.002	<0.005	<0.001	NA	NA
	03/28/14	<0.001	<0.001	<0.001	<0.002	<0.005	<0.001	NA	NA

Table 2
Current and Historical Groundwater Analytical Data
Former Chevron Facility #45480
Ozark, Alabama

Well ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethyl-benzene (mg/L)	Xylenes (mg/L)	Total BTEX (mg/L)	MTBE (mg/L)	Naphthalene (mg/L)	Lead (mg/L)
MW-7 (cont)	05/20/15	<0.001	<0.001	<0.001	<0.005	<0.008	<0.001	<0.001	NA
	05/12/16	<0.0010	<0.0010	<0.0010	<0.0050	<0.0080	<0.0010	<0.0010	NA
	05/16/17	<0.0010	<0.0010	<0.0010	<0.0020	<0.0050	<0.0010	<0.0010	NA
	09/26/17	Not Sampled							
	01/18/18	Not Sampled							
	09/06/18	<0.0010	<0.0010	<0.0010	<0.0020	<0.0050	<0.0010	<0.0010	NA
	12/11/18	Not Sampled							
GRP SOURCE SSTL		**0.430**	**86.0**	**60.2**	**175**	**NE**	**1.72**	**1.72**	**NE**
MW-8	04/05/94	**1.6000**	**0.0160**	<0.0005	**0.7400**	**2.3560**	NA	NA	NA
	10/31/94	**1.9000**	**0.0470**	**0.0092**	**1.0000**	**2.9562**	NA	NA	NA
	02/20/95	**1.7000**	**0.0540**	**0.0150**	**0.8000**	**2.5690**	NA	NA	NA
	06/24/96	**0.9900**	**0.0180**	**0.0120**	**0.6000**	**1.6200**	NA	NA	NA
	11/06/97	**0.8500**	**0.0096**	**0.0170**	**0.5800**	**1.4566**	**2.5000**	NA	NA
	02/12/98	**0.4000**	**0.0200**	**0.0091**	**0.2600**	**0.6891**	**1.9000**	NA	NA
	07/01/98	**0.2900**	**0.0039**	**0.0028**	**0.1500**	**0.4467**	**1.7000**	NA	<0.003
	03/09/00	**0.0760**	**0.0031**	**0.0011**	**0.0522**	**0.1324**	**0.4320**	NA	<0.003
	06/12/02	**0.1540**	**0.0064**	**0.0028**	**0.1281**	**0.2913**	**0.3040**	NA	**0.0083**
	08/28/02	**0.2020**	**0.0222**	**0.0053**	**0.1508**	**0.3803**	**0.3220**	NA	**0.0037**
	12/02/02	**0.2150**	**0.00593**	**0.00656**	**0.1538**	**0.3813**	**0.5910**	NA	**0.0088**
	04/08/05	**0.0847**	**0.00733**	<0.0005	**0.05798**	**0.1500**	**0.1890**	NA	NA
	07/13/05	**0.0581**	**0.02360**	<0.0005	**0.05446**	**0.1362**	**0.1380**	NA	NA
	11/10/05	**0.0455**	**0.0146**	<0.0005	**0.038**	**0.0980**	**0.0938**	NA	NA
	03/08/06	**0.0511**	**0.00217**	<0.0005	**0.0383**	**0.09157**	**0.0862**	NA	NA
	07/10/06	**0.064**	<0.001	<0.001	**0.031**	**0.095**	**0.13**	NA	NA
	11/07/06	**0.070**	**0.0017**	**0.0027**	**0.029**	**0.1034**	**0.13**	NA	NA
	06/12/07	**0.094**	<0.001	<0.001	**0.023**	**0.1170**	**0.058**	NA	NA
	10/11/07	**0.095**	**0.0017**	<0.001	**0.020**	**0.1167**	**0.071**	NA	NA
	02/13/08	**0.12**	<0.001	<0.001	**0.018**	**0.138**	**0.073**	NA	NA
	07/09/08	**0.14**	<0.001	<0.001	**0.011**	**0.151**	**0.081**	NA	NA
	10/01/08	**0.13**	<0.001	<0.001	**0.011**	**0.141**	**0.099**	NA	NA
	01/16/09	**0.054**	<0.001	<0.001	**0.0044**	**0.0584**	**0.043**	NA	NA
	04/23/09	**0.075**	<0.001	<0.001	**0.0040**	**0.0790**	**0.042**	NA	NA
	02/09/10	**0.140**	<0.001	<0.001	**0.0070**	**0.1470**	**0.041**	NA	NA
	05/31/11	**0.120**	<0.001	<0.001	<0.002	**0.1200**	**0.070**	NA	NA
	06/12/12	**0.110**	<0.001	<0.001	**0.0023**	**0.1123**	**0.150**	NA	NA
	03/28/14	**0.038**	<0.001	<0.001	<0.002	**0.038**	**0.083**	NA	NA
	05/20/15	**0.017**	**0.0024**	**0.0015**	**0.0052**	**0.0261**	**0.057**	**0.0016**	NA
	05/12/16	**0.0025**	<0.0010	<0.0010	<0.0050	**0.0025**	**0.021**	<0.0010	NA
	05/16/17	**0.0025**	<0.0010	<0.0010	<0.0020	**0.0025**	**0.010**	<0.0010	NA
	09/26/17	Not Sampled							
	01/18/18	Not Sampled							
	09/06/18	<0.0010	<0.0010	<0.0010	<0.0020	<0.0050	**0.0036**	<0.0010	NA
	12/11/18	Not Sampled							
GRP POC SSTL		**0.227**	**45.5**	**31.8**	**175**	**NE**	**0.910**	**0.910**	**NE**
MW-10	02/20/95	**3.800**	**0.330**	**0.370**	**1.200**	**5.700**	NA	NA	NA
	06/24/96	**1.600**	**0.220**	**0.150**	**0.690**	**2.660**	NA	NA	NA
	11/06/97	**0.290**	**0.003**	**0.013**	**0.049**	**0.355**	**0.0980**	NA	NA
	02/12/98	**0.270**	<0.0005	**0.027**	**0.033**	**0.330**	**0.0320**	NA	NA
	07/01/98	**1.800**	**0.400**	**0.089**	**0.680**	**2.969**	**0.0930**	NA	**0.0050**
	12/02/02	<0.0005	<0.0005	<0.0005	<0.001	<0.0025	**0.0227**	NA	<0.003
	04/08/05	**0.0199**	**0.00107**	**0.00425**	**0.00158**	**0.027**	**0.0916**	NA	NA
	07/13/05	**1.2100**	**0.39400**	**0.29300**	**1.23800**	**3.135**	**0.1780**	NA	NA

Table 2
Current and Historical Groundwater Analytical Data
Former Chevron Facility #45480
Ozark, Alabama

Well ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethyl-benzene (mg/L)	Xylenes (mg/L)	Total BTEX (mg/L)	MTBE (mg/L)	Naphthalene (mg/L)	Lead (mg/L)
MW-10 (cont)	11/10/05	**0.218**	**0.111**	**0.152**	**1.383**	**1.864**	**0.162**	NA	NA
	03/08/06	**0.353**	**0.00654**	**0.0644**	**0.118**	**0.54194**	**0.0857**	NA	NA
	07/10/06	Not Sampled - Well Gauged Dry							
	11/07/06	**0.0021**	<0.001	<0.001	**0.0055**	**0.0076**	**0.087**	NA	NA
	06/12/07	**0.0015**	<0.001	<0.001	<0.002	**0.0015**	**0.035**	NA	NA
	10/11/07	<0.001	**0.0015**	<0.001	**0.0037**	**0.0052**	**0.031**	NA	NA
	02/13/08	<0.001	<0.001	<0.001	<0.002	<0.005	**0.025**	NA	NA
	07/09/08	Not Sampled							
	10/01/08	Not Sampled							
	01/16/09	<0.001	<0.001	<0.001	<0.002	<0.005	**0.016**	NA	NA
	05/31/11	Not Sampled - Well Gauged Dry							
	06/12/12	Not Sampled - Well Gauged Dry							
	05/20/15	**0.21**	<0.001	**0.088**	<0.005	**0.298**	**0.051**	**0.041**	NA
	05/12/16	**0.55**	<0.0020	**0.19**	<0.010	**0.740**	**0.017**	**0.12**	NA
	09/13/16	**0.17**	<0.0010	**0.012**	**0.027**	**0.209**	**0.021**	**0.050**	NA
	05/15/17	**0.039**	<0.0010	**0.020**	<0.0020	**0.059**	**0.021**	**0.011**	NA
	09/26/17	Not Sampled							
	01/18/18	Not Sampled							
	09/06/18	**0.0067**	<0.0010	<0.0010	<0.0020	**0.0067**	**0.019**	**0.0071**	NA
	12/11/18	Not Sampled							
GRP POC SSTL		**0.0597**	**11.9**	**9.4**	**119**	**NE**	**0.239**	**0.239**	**NE**
MW-11	02/20/95	<0.0005	<0.0005	<0.0005	<0.001	<0.0025	NA	NA	NA
	06/24/96	<0.0005	<0.0005	<0.0005	<0.001	<0.0025	NA	NA	NA
	11/06/97	<0.0005	<0.0005	<0.0005	<0.001	<0.0025	NA	NA	NA
	02/12/98	<0.0005	<0.0005	<0.0005	<0.001	<0.0025	NA	NA	NA
	07/01/98	<0.0005	<0.0005	<0.0005	<0.001	<0.0025	<0.003	NA	<0.003
	03/09/02	<0.0005	<0.0005	<0.0005	<0.001	<0.0025	<0.003	NA	**0.0015**
	06/12/02	<0.0005	<0.0005	<0.0005	<0.001	<0.0025	<0.003	NA	**0.0054**
	08/28/02	<0.0005	<0.0005	<0.0005	<0.001	<0.0025	<0.003	NA	<0.003
	12/02/02	<0.0005	<0.0005	<0.0005	<0.001	<0.0025	<0.0005	NA	**0.0064**
		Well Paved Over							
MW-12	03/09/02	<0.0005	<0.0005	<0.0005	<0.001	<0.0025	**0.0008**	NA	**0.0228**
	08/28/02	<0.0005	<0.0005	<0.0005	<0.001	<0.0025	**0.0008**	NA	<0.003
	12/02/02	<0.0005	<0.0005	<0.0005	<0.001	<0.0025	<0.0005	NA	**0.0081**
	04/08/05	<0.0005	**0.000724**	<0.0005	**0.002009**	**0.002733**	**0.006960**	NA	NA
	07/13/05	<0.0005	<0.0005	<0.0005	<0.0015	<0.003	**0.010800**	NA	NA
	11/10/05	**0.000715**	<0.0005	<0.0005	<0.0015	**0.000715**	**0.0156**	NA	NA
	03/08/06	<0.0005	<0.0005	<0.0005	<0.0015	<0.003	**0.0204**	NA	NA
	07/10/06	<0.001	<0.001	<0.001	<0.002	<0.005	**0.026**	NA	NA
	11/07/06	<0.001	<0.001	<0.001	<0.002	<0.005	**0.023**	NA	NA
	06/12/07	<0.001	<0.001	<0.001	<0.002	<0.005	**0.040**	NA	NA
	10/11/07	**0.0049**	**0.0068**	<0.001	**0.0047**	**0.0164**	**0.038**	NA	NA
	02/13/08	<0.001	<0.001	<0.001	<0.002	<0.005	**0.018**	NA	NA
	07/09/08	<0.001	<0.001	<0.001	<0.002	<0.005	**0.0067**	NA	NA
	10/01/08	<0.001	<0.001	<0.001	<0.002	<0.005	**0.0068**	NA	NA
	05/31/11	<0.001	<0.001	<0.001	<0.002	<0.005	<0.001	NA	NA
	06/12/12	<0.001	<0.001	<0.001	<0.002	<0.005	<0.001	NA	NA
	05/20/15	<0.001	<0.001	<0.001	<0.005	<0.008	<0.001	<0.001	NA
	05/12/16	<0.0010	<0.0010	<0.0010	<0.0050	<0.0080	<0.0010	<0.0010	NA
	05/16/17	<0.0010	<0.0010	<0.0010	<0.0020	<0.0050	<0.0010	<0.0010	NA
	05/16/17*	<0.0010	<0.0010	<0.0010	<0.0020	<0.0050	<0.0010	<0.0010	NA
	09/26/17	Not Sampled							

Table 2
Current and Historical Groundwater Analytical Data
Former Chevron Facility #45480
Ozark, Alabama

Well ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethyl-benzene (mg/L)	Xylenes (mg/L)	Total BTEX (mg/L)	MTBE (mg/L)	Naphthalene (mg/L)	Lead (mg/L)
MW-12 (cont)	01/18/18	Not Sampled							
	09/05/18	<0.0010	<0.0010	<0.0010	<0.0020	<0.0050	<0.0010	<0.0010	NA
	12/11/18	Not Sampled							
GRP SOURCE SSTL		**0.430**	**86.0**	**60.2**	**175**	**NE**	**1.72**	**1.72**	**NE**
MW-13	03/09/00	**0.03360**	**0.00400**	**0.02460**	**0.04960**	**0.112**	**0.08900**	NA	<0.003
	06/12/02	**0.05350**	**0.00380**	**0.02180**	**0.06180**	**0.141**	**0.07110**	NA	**0.00910**
	08/28/02	**0.07700**	**0.00420**	**0.03020**	**0.06300**	**0.174**	**0.00025**	NA	**0.00390**
	12/02/02	**0.08690**	**0.00143**	**0.00164**	**0.14290**	**0.233**	**0.06590**	NA	**0.00590**
	04/08/05	**0.06980**	**0.00294**	**0.00209**	**0.02748**	**0.102**	**0.02640**	NA	NA
	07/13/05	<0.0005	<0.0005	<0.0005	<0.0015	<0.003	<0.0005	NA	NA
	11/10/05	**0.0649**	<0.0005	**0.00566**	**0.01250**	**0.08306**	**0.0338**	NA	NA
	03/08/06	**0.0364**	**0.00117**	**0.000942**	**0.01364**	**0.052152**	<0.0005	NA	NA
	07/10/06	**0.047**	<0.001	**0.0074**	**0.011**	**0.065**	**0.0037**	NA	NA
	11/07/06	**0.063**	<0.001	**0.022**	**0.013**	**0.098**	**0.0097**	NA	NA
	06/12/07	**0.13**	<0.001	**0.009**	**0.0057**	**0.1447**	**0.035**	NA	NA
	10/11/07	**0.18**	**0.0024**	**0.067**	**0.0059**	**0.2553**	**0.060**	NA	NA
	02/13/08	Not Analyzed - Sample Bottles Broken in Shipment							
	07/09/08	**0.24**	**0.0024**	**0.027**	<0.004	**0.2694**	**0.038**	NA	NA
	10/01/08	**0.38**	**0.0037**	**0.13**	**0.0045**	**0.5182**	**0.057**	NA	NA
	01/16/09	**0.31**	**0.0027**	**0.035**	**0.0073**	**0.3550**	**0.074**	NA	NA
	04/23/09	**0.024**	<0.001	**0.0076**	<0.002	**0.0316**	**0.026**	NA	NA
	02/09/10	**0.12**	<0.0010	**0.018**	**0.0023**	**0.1403**	**0.018**	NA	NA
	05/31/11	**0.17**	<0.0010	**0.009**	<0.002	**0.1790**	**0.15**	NA	NA
	06/12/12	**0.033**	<0.0010	**0.0056**	<0.002	**0.0386**	**0.14**	NA	NA
	10/04/12	**0.110**	**0.0012**	**0.1600**	<0.002	**0.2712**	**0.29**	NA	NA
	02/07/13	**0.10**	**0.0011**	**0.047**	**0.0030**	**0.1511**	**0.15**	NA	NA
	03/28/14	<0.0010	<0.0010	<0.0010	<0.0020	<0.0050	**0.0017**	NA	NA
	05/20/15	**0.0093**	<0.0010	**0.0093**	**0.011**	**0.0296**	**0.015**	**0.0044**	NA
	05/12/16	<0.0010	<0.0010	<0.0010	<0.0050	<0.0080	<0.0010	<0.0010	NA
	05/16/17	<0.0010	<0.0010	<0.0010	<0.0020	<0.0050	<0.0010	<0.0010	NA
	09/26/17	Not Sampled							
	01/18/18	Not Sampled							
	09/05/18	Not Sampled							
	12/11/18	Not Sampled							
GRP SOURCE SSTL		**0.430**	**86.0**	**60.2**	**175**	**NE**	**1.72**	**1.72**	**NE**
MW-14	03/09/00	**0.0490**	**0.02540**	**0.02030**	**0.0670**	**0.1617**	**0.02350**	NA	**0.04520**
	06/12/02	**0.0702**	**0.10000**	**0.05560**	**0.1447**	**0.3705**	**0.00090**	NA	<0.003
	08/28/02	<0.0005	<0.0005	**0.00078**	<0.001	**0.00078**	**0.00540**	NA	**0.00410**
	12/02/02	<0.0005	<0.0005	<0.0005	<0.001	<0.0025	**0.00095**	NA	<0.003
	04/08/05	**0.0614**	**0.347**	**0.0625**	**0.408**	**0.879**	**0.05770**	NA	NA
	07/13/05	0.000524	**0.000568**	<0.0005	**0.00144**	**0.003**	<0.0005	NA	NA
	11/10/05	**0.00353**	**0.00223**	**0.00139**	**0.01061**	**0.01776**	**0.00338**	NA	NA
	03/08/06	**0.0499**	**0.172**	**0.0791**	**0.378**	**0.6790**	**0.0395**	NA	NA
	07/10/06	**0.19**	**0.35**	**0.19**	**0.70**	**1.43**	**0.14**	NA	NA
	11/07/06	**0.083**	**0.039**	**0.16**	**0.75**	**1.032**	**0.028**	NA	NA
	06/12/07	**0.0079**	**0.0026**	**0.011**	**0.061**	**0.0825**	**0.0083**	NA	NA
	10/11/07	**0.0055**	**0.0042**	**0.0027**	**0.012**	**0.0244**	<0.001	NA	NA
	02/13/08	<0.001	<0.001	<0.001	<0.002	<0.005	<0.001	NA	NA
	07/09/08	**0.0096**	<0.001	**0.014**	**0.039**	**0.0626**	**0.0017**	NA	NA
	10/01/08	<0.001	<0.001	<0.001	<0.002	<0.005	<0.001	NA	NA
	01/16/09	**0.0086**	<0.001	**0.010**	**0.035**	**0.0536**	**0.0032**	NA	NA
	05/31/11	<0.001	<0.001	<0.001	<0.002	<0.005	<0.001	NA	NA

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Current and Historical Groundwater Analytical Data
Former Chevron Facility #45480
Ozark, Alabama

Well ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethyl-benzene (mg/L)	Xylenes (mg/L)	Total BTEX (mg/L)	MTBE (mg/L)	Naphthalene (mg/L)	Lead (mg/L)
MW-14 (cont)	06/12/12	**0.0014**	<0.001	<0.001	<0.002	**0.001**	**0.0050**	NA	NA
	05/20/15	**0.0090**	<0.001	**0.014**	<0.005	**0.023**	**0.0014**	**0.0046**	NA
	05/12/16	**0.0027**	<0.0010	**0.0089**	<0.0050	**0.0116**	**0.0018**	**0.0018**	NA
	05/15/17	**0.051**	**0.16**	**0.14**	**0.32**	**0.671**	**0.018**	**0.034**	NA
	05/15/17*	**0.064**	**0.20**	**0.18**	**0.42**	**0.864**	**0.021**	**0.039**	NA
	09/26/17	Not Sampled							
	01/18/18	Not Sampled							
	09/06/18	**0.016**	**0.0060**	**0.082**	**0.110**	**0.2140**	**0.0023**	**0.025**	NA
	12/11/18	Not Sampled							
GRP SOURCE SSTL		**0.430**	**86.0**	**60.2**	**175**	**NE**	**1.72**	**1.72**	**NE**
MW-15	03/09/00	<0.0005	<0.0005	<0.0005	<0.001	<0.0025	**0.00860**	NA	**0.01900**
	06/12/02	<0.0005	<0.0005	<0.0005	<0.001	<0.0025	**0.00090**	NA	**0.00460**
	08/28/02	<0.0005	<0.0005	<0.0005	<0.001	<0.0025	<0.0005	NA	**0.00430**
	12/02/02	**0.00098**	<0.0005	<0.0005	<0.001	<0.0025	<0.0005	NA	**0.00310**
	04/08/05	<0.0005	<0.0005	<0.0005	<0.0015	<0.003	**0.03430**	NA	NA
	07/13/05	<0.0005	<0.0005	<0.0005	<0.0015	<0.003	**0.04530**	NA	NA
	11/10/05	<0.0005	<0.0005	<0.0005	<0.0015	<0.003	**0.0125**	NA	NA
	03/08/06	<0.0005	<0.0005	<0.0005	<0.0015	<0.003	**0.0372**	NA	NA
	07/10/06	<0.001	<0.001	<0.001	<0.002	<0.005	**0.0023**	NA	NA
	11/07/06	**0.0013**	<0.001	<0.001	<0.002	**0.0013**	**0.0010**	NA	NA
	06/12/07	<0.001	<0.001	<0.001	<0.002	<0.005	**0.0049**	NA	NA
	10/11/07	<0.001	<0.001	<0.001	<0.002	<0.005	**0.0012**	NA	NA
	02/13/08	<0.001	<0.001	<0.001	<0.002	<0.005	**0.011**	NA	NA
	07/09/08	<0.001	<0.001	<0.001	<0.002	<0.005	**0.0017**	NA	NA
	10/01/08	<0.001	<0.001	<0.001	<0.002	<0.005	**0.0011**	NA	NA
	06/12/12	<0.001	<0.001	<0.001	<0.002	<0.005	**0.0014**	NA	NA
	05/20/15	<0.001	<0.001	<0.001	<0.005	<0.008	**0.0016**	<0.001	NA
	05/12/16	**0.0050**	<0.0010	**0.0028**	<0.0050	**0.0078**	**0.010**	<0.0010	NA
	05/15/17	<0.0010	<0.0010	<0.0010	<0.0020	<0.0050	**0.0023**	<0.0010	NA
	09/26/17	Not Sampled							
	01/18/18	Not Sampled							
	09/06/18	<0.0010	<0.0010	<0.0010	<0.0020	<0.0050	**0.0024**	<0.0010	NA
	12/11/18	Not Sampled							
GRP SOURCE SSTL		**0.430**	**86.0**	**60.2**	**175**	**NE**	**1.72**	**1.72**	**NE**
RW-1	07/09/08	**1.9**	**1.2**	**0.16**	**1.4**	**4.660**	**0.45**	NA	NA
	10/01/08	**4.0**	**5.4**	**0.69**	**4.2**	**14.29**	**0.51**	NA	NA
	01/16/09	**3.0**	**4.5**	**0.57**	**3.4**	**11.47**	**0.44**	NA	NA
	04/23/09	**4.8**	**7.8**	**0.73**	**5.5**	**18.83**	**0.35**	NA	NA
	02/09/10	**2.5**	**3.7**	**0.69**	**2.6**	**9.490**	**0.27**	NA	NA
	10/21/10	**4.2**	**4.7**	**0.49**	**2.4**	**11.79**	**0.29**	NA	NA
	05/31/11	**3.2**	**5.3**	**0.63**	**3.7**	**12.83**	**0.41**	NA	NA
	08/31/11	**3.6**	**6.2**	**0.85**	**5.7**	**16.35**	**0.51**	NA	NA
	06/12/12	**2.0**	**3.7**	**0.34**	**3.5**	**9.54**	**0.81**	NA	NA
	10/04/12	**3.2**	**6.0**	**0.57**	**4.9**	**14.67**	**0.80**	NA	NA
	02/07/13	**0.54**	**0.59**	**0.15**	**0.71**	**1.99**	**0.27**	NA	NA
	03/28/14	**2.00**	**1.00**	**0.69**	**2.70**	**6.39**	**0.56**	NA	NA
	09/05/14	**2.80**	**4.00**	**0.89**	**5.10**	**12.79**	**0.64**	**0.35**	NA
	01/26/15	**1.9**	**1.5**	**0.64**	**2.80**	**6.84**	**0.66**	**0.26**	NA
	05/20/15	**2.5**	**0.65**	**0.61**	**1.5**	**5.26**	**1.0**	**0.21**	NA
	09/29/15	**2.7**	**1.30**	**0.88**		**4.88**	**0.77**	**0.33**	NA
	02/02/16	**0.76**	**0.85**	**0.28**	**0.99**	**2.88**	**0.39**	**0.16**	NA
	05/12/16	**4.3**	**8.6**	**1.1**	**8.2**	**22.2**	**0.44**	**0.72**	NA

Table 2
Current and Historical Groundwater Analytical Data
Former Chevron Facility #45480
Ozark, Alabama

Well ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethyl-benzene (mg/L)	Xylenes (mg/L)	Total BTEX (mg/L)	MTBE (mg/L)	Naphthalene (mg/L)	Lead (mg/L)
RW-1 (cont)	09/13/16	**0.92**	**0.14**	**0.31**	**0.64**	**2.01**	**0.31**	**0.15**	NA
	05/16/17	**0.98**	**0.34**	**0.26**	**0.48**	**2.06**	**0.32**	**0.10**	NA
	09/26/17	**2.2**	**3.0**	**0.71**	**2.9**	**8.81**	**0.41**	**0.30**	NA
	01/18/18	**1.4**	**0.90**	**0.65**	**1.7**	**4.65**	**0.40**	**0.29**	NA
	01/18/18*	**1.5**	**0.99**	**0.67**	**1.8**	**4.96**	**0.39**	**0.31**	NA
	09/06/18	**1.2**	**0.16**	**0.69**	**0.7**	**2.78**	**0.34**	**0.24**	NA
	12/11/18	**2.5**	**5.4**	**1.2**	**5.4**	**14.5**	**0.38**	**0.46**	NA
GRP SOURCE SSTL		**0.430**	**86.0**	**60.2**	**175**	**NE**	**1.72**	**1.72**	**NE**
RW-2	07/09/08	**2.0**	**0.046**	**0.20**	**0.45**	**2.696**	**0.61**	NA	NA
	10/01/08	**1.7**	**0.068**	**0.29**	**0.34**	**2.398**	**0.83**	NA	NA
	01/16/09	**2.1**	**0.25**	**0.40**	**0.99**	**3.740**	**0.60**	NA	NA
	04/23/09	**3.8**	**0.86**	**0.68**	**2.1**	**7.440**	**0.56**	NA	NA
	02/09/10	**4.1**	**3.0**	**1.0**	**4.5**	**12.60**	**0.25**	NA	NA
	10/21/10	**6.7**	**1.7**	**0.84**	**2.7**	**11.94**	**0.72**	NA	NA
	05/31/11	**3.6**	**2.5**	**0.85**	**3.6**	**10.55**	**0.71**	NA	NA
	08/31/11	**2.4**	**0.54**	**0.64**	**1.9**	**5.48**	**1.10**	NA	NA
	06/12/12	**1.2**	**0.20**	**0.21**	**0.64**	**2.25**	**2.90**	NA	NA
	10/04/12	**0.82**	**0.29**	**0.28**	**1.00**	**2.39**	**1.80**	NA	NA
	02/07/13	**0.18**	**0.021**	**0.063**	**0.12**	**0.38**	**0.92**	NA	NA
	03/28/14	**1.30**	**0.050**	**0.490**	**0.78**	**2.62**	**1.5**	NA	NA
	09/05/14	**1.90**	**0.140**	**0.530**	**1.10**	**3.67**	**1.9**	**0.22**	NA
	01/26/15	**4.4**	**0.24**	**0.87**	**1.7**	**7.21**	**5.6**	**0.54**	NA
	05/20/15	**6.5**	**0.20**	**0.87**	**3.0**	**10.57**	**4.3**	**0.44**	NA
	09/29/15	**3.5**	**0.21**	**0.85**	**2.0**	**6.56**	**0.49**	**0.49**	NA
	02/02/16	**0.70**	**0.030**	**0.19**	**0.32**	**1.24**	**1.2**	**0.12**	NA
	05/12/16	**2.8**	**0.60**	**0.74**	**3.2**	**7.34**	**0.62**	**0.32**	NA
	09/13/16	**1.3**	**0.017**	**0.37**	**0.33**	**2.02**	**0.86**	**0.26**	NA
	05/16/17	**2.2**	**0.057**	**0.44**	**0.53**	**3.23**	**0.74**	**0.24**	NA
	09/26/17	**3.8**	**0.39**	**0.97**	**3.70**	**8.86**	**0.27**	**0.53**	NA
	01/18/18	**2.6**	**0.31**	**0.61**	**1.3**	**4.82**	**0.56**	**0.42**	NA
	09/06/18	**3.0**	**0.13**	**0.82**	**2.3**	**6.25**	**0.27**	**0.48**	NA
	12/12/18	**3.9**	**0.40**	**0.67**	**1.7**	**6.67**	**0.34**	**0.29**	NA
GRP SOURCE SSTL		**0.430**	**86.0**	**60.2**	**175**	**NE**	**1.72**	**1.72**	**NE**
AS-1	09/06/18	<0.0010	<0.0010	<0.0010	<0.0020	<0.0050	<0.0010	<0.0010	NA
GRP SOURCE SSTL		**0.430**	**86.0**	**60.2**	**175**	**NE**	**1.72**	**1.72**	**NE**
AS-2	09/06/18	<0.0010	<0.0010	<0.0010	<0.0020	<0.0050	<0.0010	<0.0010	NA
GRP SOURCE SSTL		**0.430**	**86.0**	**60.2**	**175**	**NE**	**1.72**	**1.72**	**NE**

Notes:

BTEX = Benzene, toluene, ethylbenzene, and xylenes analyzed using EPA method 8260B

MTBE = Methyl Tertiary-Butyl Ether analyzed using EPA method 8260B

Total Lead analyzed using EPA method 6010

EPA = United States Environmental Protection Agency

GRP = groundwater resource protection

mg/L = milligrams per liter

NA = Not analyzed for this parameter

NE = Not established for this compound

POC = point of compliance

PSH = phase-separated hydrocarbons

SSTL = site-specific target level

* = Duplicate Sample

Table 3

Summary of High Vacuum Extraction Recovery Data
Former Chevron Facility #45480
Ozark, Alabama

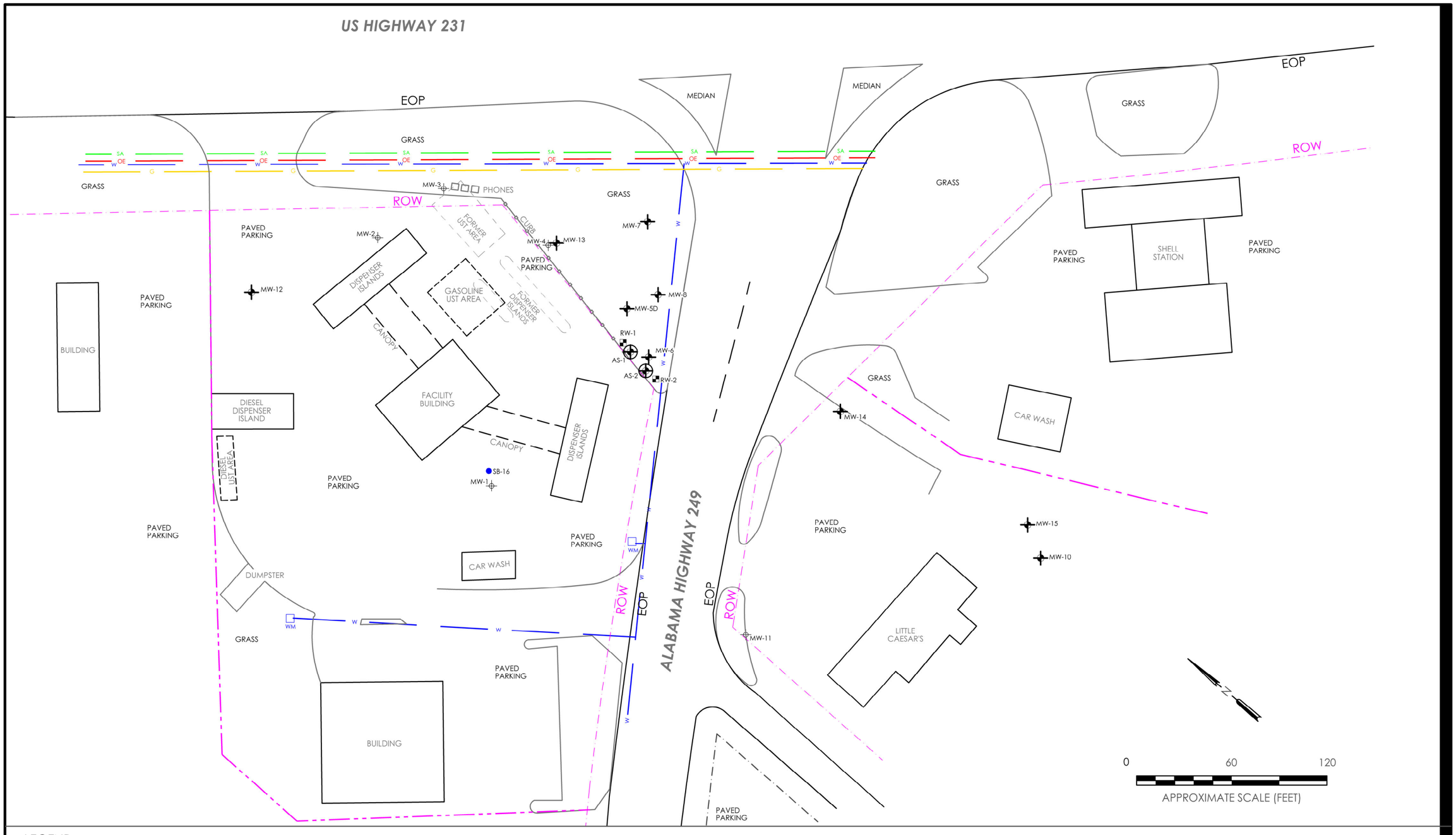
DATE	DURATION (HOURS)	TOTAL LIQUID REMOVED (GALLONS)	HYDROCARBONS REMOVED (POUNDS)	HYDROCARBONS REMOVED (GALLONS)	EXTRACTION WELLS
11/08/04	24	1,090	344.21	55.879	MW-6
10/11/05	24	1,450	107.53	17.456	MW-6
11/08/06	24	1,341	146.23	23.738	MW-6
06/05/07	24	925	176.68	28.682	MW-6
08/16/07	24	900	202.00	32.792	MW-6
02/07/08	24	957	190.06	30.853	MW-6
07/17/08	8	600	52.40	8.506	MW-6, RW-1, and RW-2
09/30/08	12	835	23.18	3.764	MW-6, RW-1, and RW-2
12/23/08	8	650	86.81	14.093	MW-6, RW-1, and RW-2
01/15/09	8	775	45.68	7.415	MW-6, RW-1, and RW-2
03/31/09	8	242	28.33	4.599	MW-6, RW-1, and RW-2
04/14/09	8	500	22.73	3.689	MW-6, RW-1, and RW-2
12/08/09	8	1,138	30.50	4.951	MW-6, RW-1, and RW-2
02/02/10	8	1,087	13.58	2.205	MW-6, RW-1, and RW-2
07/20/10	8	750	12.26	1.980	RW-1 and RW-2
09/28/10	8	625	21.38	3.471	RW-1 and RW-2
03/01/11	8	775	26.83	4.356	MW-6, RW-1, and RW-2
04/27/11	8	625	50.90	8.263	MW-6, RW-1, and RW-2
06/21/11	8	625	52.85	8.579	MW-6, RW-1, and RW-2
08/23/11	8	525	65.36	10.611	MW-6, RW-1, and RW-2
04/03/12	8	575	192.83	31.272	MW-6, RW-1, and RW-2
06/07/12	8	525	184.77	29.996	MW-6, RW-1, and RW-2
08/01/12	8	700	155.59	25.259	MW-6, RW-1, and RW-2
10/02/12	8	775	130.94	21.257	MW-6, RW-1, and RW-2
12/04/12	8	675	105.25	17.066	MW-6, RW-1, and RW-2
02/05/13	8	600	112.77	18.306	MW-6, RW-1, and RW-2
07/03/14	8	1,000	51.52	8.363	MW-6, RW-1, and RW-2
08/28/14	8	1,000	30.80	5.000	MW-6, RW-1, and RW-2
10/09/14	8	1,000	21.69	3.521	MW-6, RW-1, and RW-2
12/11/14	8	471	40.60	6.500	RW-1 and RW-2
04/03/15	8	316	23.47	3.81	MW-6 and RW-2
05/05/15	8	342	25.92	4.21	MW-6 and RW-2
07/15/15	8	517	135.91	22.06	MW-6 and RW-2
09/16/15	8	427	34.59	5.61	RW-1 and RW-2
11/18/15	8	289	119.88	19.46	RW-1 and RW-2
02/01/16	8	424	18.91	3.07	RW-1 and RW-2
03/02/16	8	262	58.42	9.48	RW-1 and RW-2
05/04/16	8	569	27.97	4.54	RW-1 and RW-2
07/21/16	8	523	13.79	2.24	RW-1 and RW-2
09/14/16	8	487	19.47	3.16	RW-1 and RW-2
03/30/17	8	925	18.06	2.88	RW-1 and RW-2
05/17/17	8	371	26.58	4.28	RW-1 and RW-2
07/25/17	8	491	7.03	1.11	RW-1 and RW-3
09/27/17	12	1,306	33.78	5.42	MW-6 and RW-1
09/28/17	12		15.36	2.42	MW-6 and RW-2
10/25/17	12	1,140	4.13	0.66	MW-6 and RW-1
10/26/17	12		2.24	0.36	MW-6 and RW-2
11/28/17	12	1,087	8.94	1.45	MW-6 and RW-1
11/29/17	12		3.95	0.63	MW-6 and RW-2
12/12/17	12	1,033	9.53	1.55	MW-6 and RW-1
12/13/17	12		6.39	1.02	MW-6 and RW-2
TOTALS	**468**	**34,245**	**3,340.58**	**541.84**	

Figures

AECOM

FIGURE 1

SITE PLAN



LEGEND

- MONITORING WELL
- RECOVERY WELL
- AIR SPARGE WELL
- MONITORING WELL (ABANDONED/DESTROYED)
- SOIL BORING LOCATION
- RIGHT OF WAY
- PROPERTY BOUNDARY
- OVERHEAD ELECTRIC LINE
- NATURAL GAS LINE
- WATER LINE
- SANITARY SEWER
- WATER METER

NOTES: DESTROYED WELLS MW-2 THROUGH MW-4 ARE SHOWN IN APPROXIMATE LOCATIONS BASED ON OCTOBER 1992 DRAWING BY INTERNATIONAL TECHNOLOGY CORPORATION.

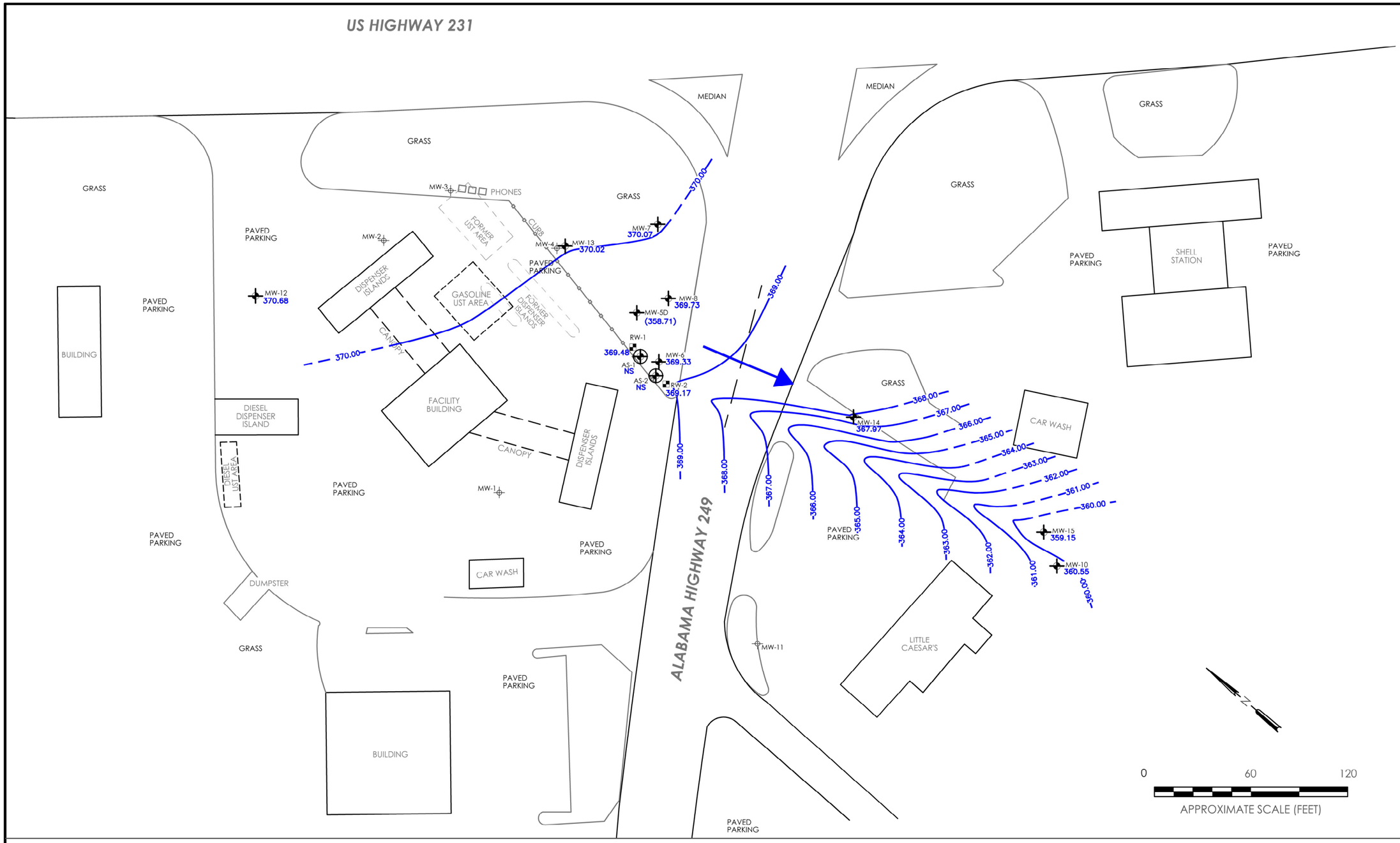
CHEVRON FACILITY No. 45480
US Hwy 231 and Alabama Hwy 249, Ozark, AL
Project No.: 60539324

AECOM

FIGURE 2

POTENTIOMETRIC SURFACE MAP
DECEMBER 11, 2018

CHEVRON FACILITY No. 45480
US Hwy 231 and Alabama Hwy 249, Ozark, AL
Project No.: 60539324



LEGEND

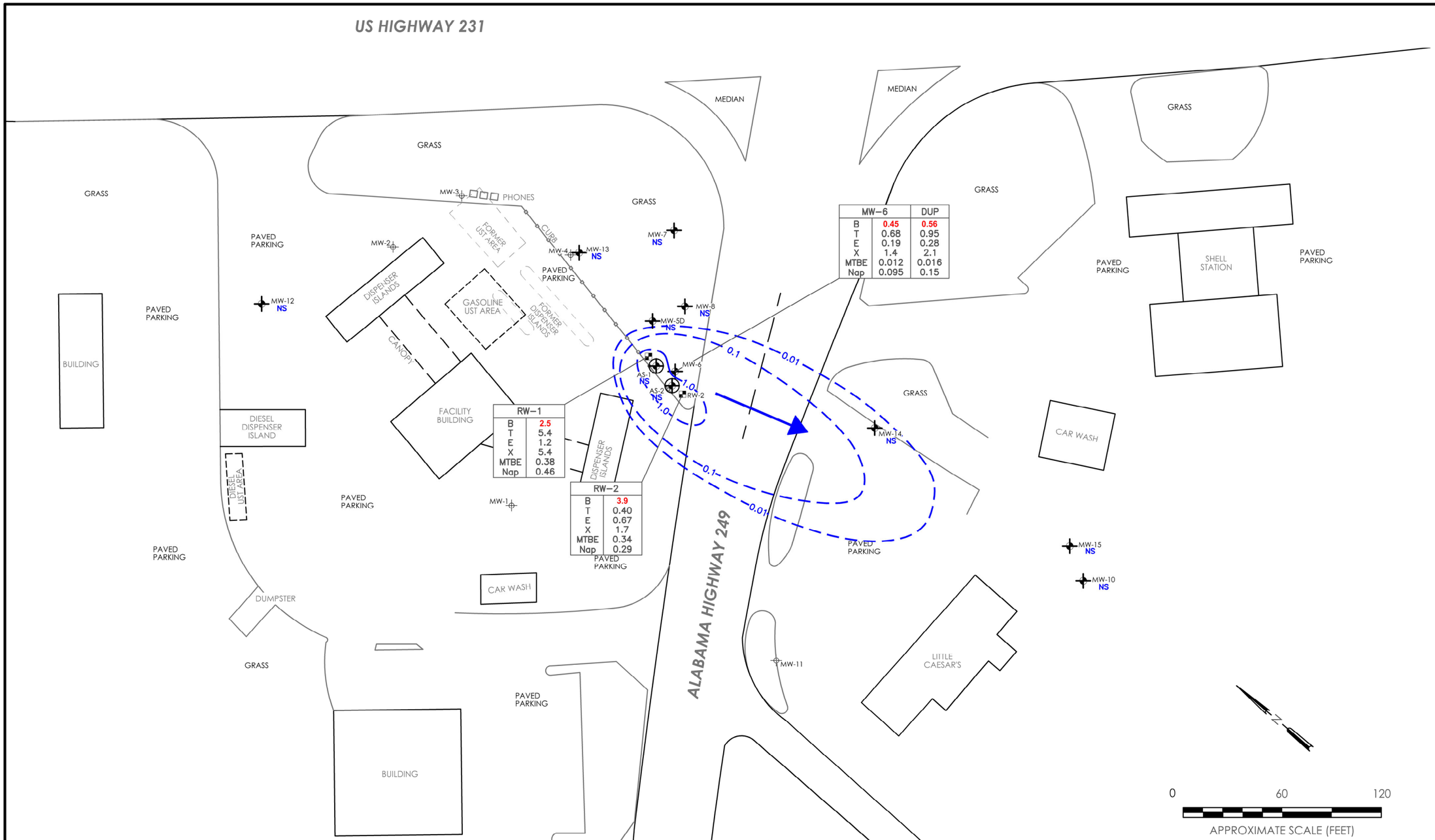
- MONITORING WELL
- RECOVERY WELL
- AIR SPARGE WELL
- MONITORING WELL (ABANDONED/DESTROYED)
- 370.07 GROUNDWATER ELEVATION (IN FEET)
- 369.00 POTENTIOMETRIC SURFACE CONTOUR (IN FEET, DASHED WHERE INFERRED)
- ESTIMATED GROUNDWATER FLOW DIRECTION
- NS NOT SURVEYED
- (358.71) DEEP WELL – WELL GAUGING DATA NOT UTILIZED IN POTENTIOMETRIC SURFACE EVALUATION

NOTES: DESTROYED WELLS MW-2 THROUGH MW-4 ARE SHOWN IN APPROXIMATE LOCATIONS BASED ON OCTOBER 1992 DRAWING BY INTERNATIONAL TECHNOLOGY CORPORATION.

AECOM

FIGURE 3A

CONSTITUENTS OF CONCERN
CONCENTRATIONS IN GROUNDWATER
DECEMBER 11 and 12, 2018



NOTE: 0.1 mg/L and 0.01 mg/L BENZENE ISOCONCENTRATION CONTOURS FOR DECEMBER 2018 TRI-ANNUAL GROUNDWATER MONITORING EVENT BASED, IN PART, ON GROUNDWATER ANALYTICAL RESULTS OF THE MOST RECENT COMPREHENSIVE GROUNDWATER MONITORING EVENT (SEPTEMBER 2018)

LEGEND

- MONITORING WELL
- RECOVERY WELL
- AIR SPARGE WELL
- MONITORING WELL (ABANDONED/DESTROYED)
- ESTIMATED GROUNDWATER FLOW DIRECTION
- NS NOT SAMPLED
- 1.0 BENZENE ISOCONCENTRATION CONTOUR (in mg/L)

RW–1	
B	2.5
T	5.4
E	1.2
X	5.4
MTBE	0.38
Nap	0.46

WELL ID
BENZENE CONCENTRATION IN mg/L
TOLUENE CONCENTRATION IN mg/L
ETHYLBENZENE CONCENTRATION IN mg/L
TOTAL XYLENES CONCENTRATION IN mg/L
METHYL–TERTIARY BUTYL ETHER CONCENTRATION IN mg/L
NAPHTHALENE CONCENTRATION IN mg/L

BOLD INDICATES PRESENCE OF COC AT CONCENTRATION IN EXCESS OF APPLICABLE GROUNDWATER RESOURCE PROTECTION SITE SPECIFIC TARGET LEVEL

mg/L MILLIGRAMS PER LITER

COC CONSTITUENT OF CONCERN

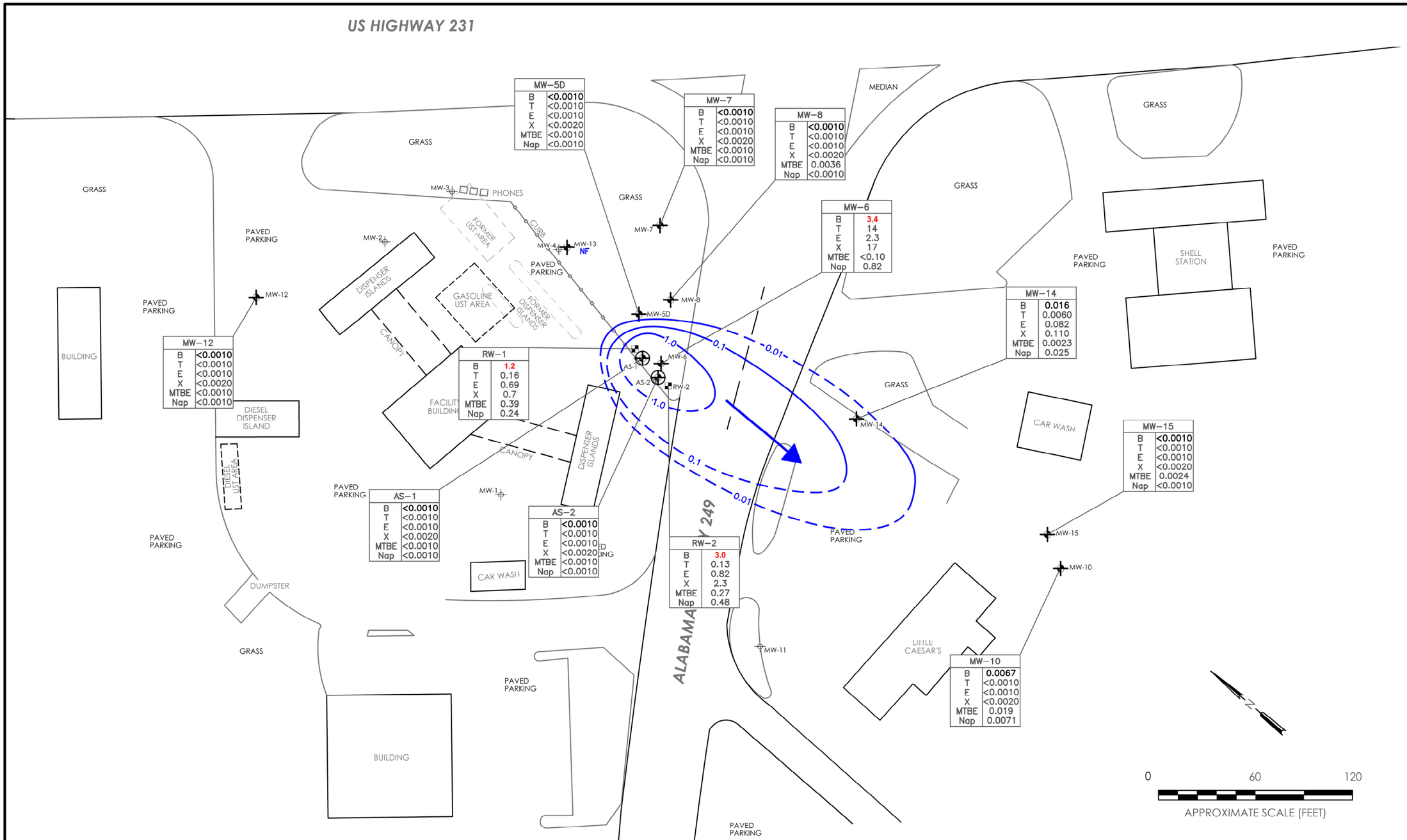
NOTES: DESTROYED WELLS MW-2 THROUGH MW-4 ARE SHOWN IN APPROXIMATE LOCATIONS BASED ON OCTOBER 1992 DRAWING BY INTERNATIONAL TECHNOLOGY CORPORATION.

CHEVRON FACILITY No. 45480
US Hwy 231 and Alabama Hwy 249, Ozark, AL
Project No.: 60539324

AECOM

FIGURE 3B

CONSTITUENTS OF CONCERN
CONCENTRATIONS IN GROUNDWATER
SEPTEMBER 5-6, 2018



MW–5D	
B	<0.0010
T	<0.0010
E	<0.0010
X	<0.0020
MTBE	<0.0010
Nap	<0.0010

MW–7	
B	<0.0010
T	<0.0010
E	<0.0010
X	<0.0020
MTBE	<0.0010
Nap	<0.0010

MW–8	
B	<0.0010
T	<0.0010
E	<0.0010
X	<0.0020
MTBE	0.0036
Nap	<0.0010

MW–6	
B	3.4
T	14
E	2.3
X	17
MTBE	<0.10
Nap	0.82

MW–14	
B	0.016
T	0.0060
E	0.082
X	0.110
MTBE	0.0023
Nap	0.025

MW–15	
B	<0.0010
T	<0.0010
E	<0.0010
X	<0.0020
MTBE	0.0024
Nap	<0.0010

MW–12	
B	<0.0010
T	<0.0010
E	<0.0010
X	<0.0020
MTBE	<0.0010
Nap	<0.0010

RW–1	
B	1.2
T	0.16
E	0.69
X	0.7
MTBE	0.39
Nap	0.24

AS–1	
B	<0.0010
T	<0.0010
E	<0.0010
X	<0.0020
MTBE	<0.0010
Nap	<0.0010

AS–2	
B	<0.0010
T	<0.0010
E	<0.0010
X	<0.0020
MTBE	<0.0010
Nap	<0.0010

RW–2	
B	3.0
T	0.13
E	0.82
X	2.3
MTBE	0.27
Nap	0.48

MW–10	
B	0.0067
T	<0.0010
E	<0.0010
X	<0.0020
MTBE	0.019
Nap	0.0071

LEGEND

- MONITORING WELL
- RECOVERY WELL
- AIR SPARGE WELL
- MONITORING WELL (ABANDONED/DESTROYED)
- ESTIMATED GROUNDWATER FLOW DIRECTION
- NF — NOT SAMPLED – WELL NOT FOUND
- 1.0 — BENZENE ISOCONCENTRATION CONTOUR (in mg/L)

MW–6	
B	3.4
T	14
E	2.3
X	17
MTBE	<0.10
Nap	0.82

WELL ID
BENZENE CONCENTRATION IN mg/L
TOLUENE CONCENTRATION IN mg/L
ETHYLBENZENE CONCENTRATION IN mg/L
TOTAL XYLENES CONCENTRATION IN mg/L
METHYL–TERTIARY BUTYL ETHER CONCENTRATION IN mg/L
NAPHTHALENE CONCENTRATION IN mg/L

BOLD INDICATES PRESENCE OF COC AT CONCENTRATION IN EXCESS OF APPLICABLE GROUNDWATER RESOURCE PROTECTION SITE SPECIFIC TARGET LEVEL

mg/L MILLIGRAMS PER LITER

COC CONSTITUENT OF CONCERN

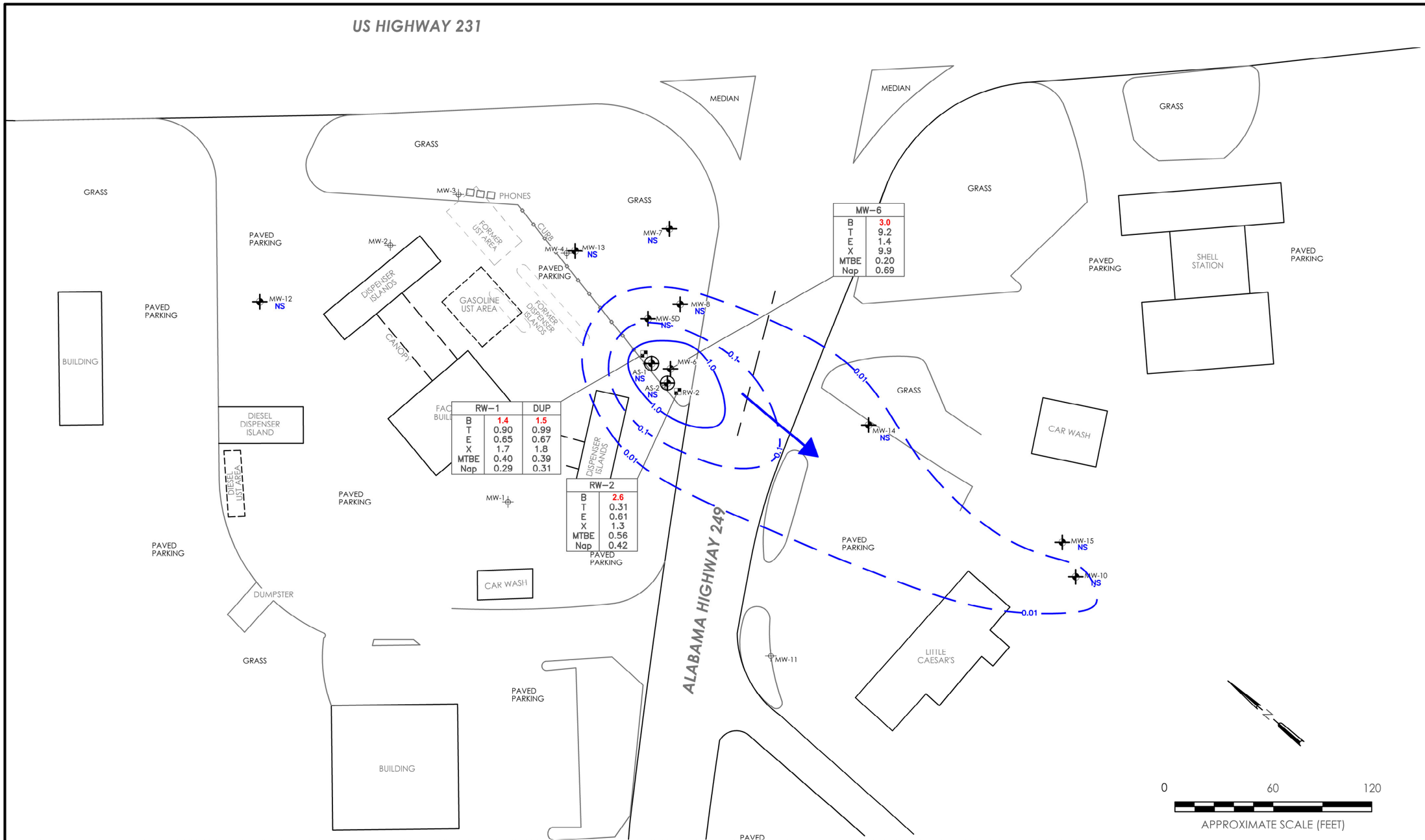
NOTES: DESTROYED WELLS MW-2 THROUGH MW-4 ARE SHOWN IN APPROXIMATE LOCATIONS BASED ON OCTOBER 1992 DRAWING BY INTERNATIONAL TECHNOLOGY CORPORATION.
AIR SPARGE WELLS AS-1 AND AS-2 NOT INCLUDED IN BENZENE ISOCONCENTRATION CONTOUR INTERPRETATIONS AS WELL SCREENS ARE SUBMERGED, THEREFORE RESULTS ARE INTERPRETED AS NOT BEING A TRUE REPRESENTATION OF SUBSURFACE CONDITIONS IN THE VICINITY OF THESE WELLS.

CHEVRON FACILITY No. 45480
US Hwy 231 and Alabama Hwy 249, Ozark, AL
Project No.: 60539324

AECOM

FIGURE 3C

CONSTITUENTS OF CONCERN
CONCENTRATIONS IN GROUNDWATER
JANUARY 18, 2018



NOTE: 0.1 mg/L and 0.01 mg/L BENZENE ISOCONCENTRATION CONTOURS FOR JANUARY 2018 TRI-ANNUAL GROUNDWATER MONITORING EVENT BASED, IN PART, ON GROUNDWATER ANALYTICAL RESULTS OF THE MOST RECENT COMPREHENSIVE GROUNDWATER MONITORING EVENT (MAY 2017)

LEGEND

- MONITORING WELL
- RECOVERY WELL
- AIR SPARGE WELL
- MONITORING WELL (ABANDONED/DESTROYED)
- ESTIMATED GROUNDWATER FLOW DIRECTION
- NS — NOT SAMPLED
- 1.0 — BENZENE ISOCONCENTRATION CONTOUR (in mg/L)

MW–6	
B	3.0
T	9.2
E	1.4
X	9.9
MTBE	0.20
Nap	0.69

WELL ID
BENZENE CONCENTRATION IN mg/L
TOLUENE CONCENTRATION IN mg/L
ETHYLBENZENE CONCENTRATION IN mg/L
TOTAL XYLENES CONCENTRATION IN mg/L
METHYL–TERTIARY BUTYL ETHER CONCENTRATION IN mg/L
NAPHTHALENE CONCENTRATION IN mg/L

BOLD INDICATES PRESENCE OF COC AT CONCENTRATION IN EXCESS OF APPLICABLE GROUNDWATER RESOURCE PROTECTION SITE SPECIFIC TARGET LEVEL

mg/L	MILLIGRAMS PER LITER
COC	CONSTITUENT OF CONCERN
DUP	DUPLICATE SAMPLE

NOTES: DESTROYED WELLS MW-2 THROUGH MW-4 ARE SHOWN IN APPROXIMATE LOCATIONS BASED ON OCTOBER 1992 DRAWING BY INTERNATIONAL TECHNOLOGY CORPORATION.

CHEVRON FACILITY No. 45480
US Hwy 231 and Alabama Hwy 249, Ozark, AL
Project No.: 60539324

AECOM

FIGURE 4

ORC TARGET APPLICATION AREA MAP

CHEVRON FACILITY No. 45480
US Hwy 231 and Alabama Hwy 249, Ozark, AL
Project No.: 60539324

US HIGHWAY 231

ALABAMA HIGHWAY 249

GRASS
PAVED PARKING
BUILDING
MW-12
MW-3
PHONES
MW-2
FORMER UST AREA
CURB
MW-4
MW-13
MW-7
DISPENSER ISLANDS
GASOLINE UST AREA
FORMER DISPENSER ISLANDS
MW-8
MW-5D
CANOPY
RW-1
AS-1
MW-6
AS-2
RW-2
FACILITY BUILDING
DISPENSER ISLANDS
DIESEL DISPENSER ISLAND
DIESEL UST AREA
SB-16
MW-1
CAR WASH
DUMPSTER
BUILDING
MEDIAN
SHELL STATION
MW-14
MW-15
MW-10
MW-11
LITTLE CAESAR'S

0 60 120
APPROXIMATE SCALE (FEET)

LEGEND

- MONITORING WELL
- RECOVERY WELL
- AIR SPARGE WELL
- MONITORING WELL (ABANDONED/DESTROYED)
- SOIL BORING LOCATION
- ORC TARGET APPLICATION AREA

NOTE: DESTROYED WELLS MW-2 THROUGH MW-4 ARE SHOWN IN APPROXIMATE LOCATIONS BASED ON OCTOBER 1992 DRAWING BY INTERNATIONAL TECHNOLOGY CORPORATION.

Appendix A

Water/Hydrocarbon Level and Purge Volume Calculation Data Sheets

WATER/HYDROCARBON LEVEL EVENT DATA RECORD

CLIENT: Chevron EMC
LOCATION: Former Chevron Facility No. 45480
1022 South US Highway 231
Ozark, Alabama 36360

EVENT DATE: 12/11/18-12/12/18
EVENT TYPE: Sampling Event
FIELD PERSONNEL: Tim Herold

Monitor Well Identification	Casing Elevation (feet)	Depth to PSH (feet)	Depth to Water (feet)	PSH Surface Elevation (feet)	Water Surface Elevation (feet)	PSH Thickness (feet)	Potentiometric Surface Elevation (feet)
MW-5D	389.01	ND	30.30	NA	358.71	0.00	358.71
MW-6	390.79	ND	21.46	NA	369.33	0.00	369.33
MW-7	387.95	ND	17.88	NA	370.07	0.00	370.07
MW-8	389.35	ND	19.62	NA	369.73	0.00	369.73
MW-10	388.99	ND	28.44	NA	360.55	0.00	360.55
MW-11	390.04	WELL DESTROYED					
MW-12	387.87	ND	17.19	NA	370.68	0.00	370.68
MW-13	388.68	ND	18.66	NA	370.02	0.00	370.02
MW-14	388.72	ND	20.75	NA	367.97	0.00	367.97
MW-15	388.43	ND	29.28	NA	359.15	0.00	359.15
RW-1	390.40	ND	20.92	NA	369.48	0.00	369.48
RW-2	391.25	ND	22.08	NA	369.17	0.00	369.17
AS-1	Not Surveyed	ND	31.90	NA	Not Surveyed	0.00	Not Surveyed
AS-2	Not Surveyed	ND	32.41	NA	Not Surveyed	0.00	Not Surveyed

Notes:

ND - Not Detected NA - Not Applicable PSH - Phase-Separated Hydrocarbon

Potentiometric Surface Elevation Corrected for PSH thickness

All Elevations are refenced to the National Geodetic Vertical Datum (NGVD)

Depth to PSH and Depth to Water measurements were recorded to the nearest 0.01 foot

Well Development and Purge Water Volumes
Storage and Management Information

CLIENT: Chevron EMC
LOCATION: Former Chevron Facility No. 45480
1022 South US Highway 231
Ozark, Alabama 36360

EVENT DATE: 12/11/18-12/12/18
EVENT TYPE: Sampling Event
FIELD PERSONNEL: Tim Herold

Monitor Well Identification	Date of Well Purging/Development	Time of Well Purging/Development	Method of Well Purging/Development	Volume Removed Gallons
MW-5D	Not Sampled	Not Sampled	Not Sampled	Not Sampled
MW-6	12/12/18	11:35	Low-Flow w/ Peristaltic Pump	1.64
MW-7	Not Sampled	Not Sampled	Not Sampled	Not Sampled
MW-8	Not Sampled	Not Sampled	Not Sampled	Not Sampled
MW-10	Not Sampled	Not Sampled	Not Sampled	Not Sampled
MW-11	Destroyed	Destroyed	Destroyed	Destroyed
MW-12	Not Sampled	Not Sampled	Not Sampled	Not Sampled
MW-13	Not Sampled	Not Sampled	Not Sampled	Not Sampled
MW-14	Not Sampled	Not Sampled	Not Sampled	Not Sampled
MW-15	Not Sampled	Not Sampled	Not Sampled	Not Sampled
RW-1	12/11/18	14:10	Multi-Volume w/ Peristaltic Pump	17.83
RW-2	12/12/18	9:20	Low-Flow w/ Peristaltic Pump	2.71
AS-1	Not Sampled	Not Sampled	Not Sampled	Not Sampled
AS-2	Not Sampled	Not Sampled	Not Sampled	Not Sampled
			Total Volumed Removed (gal.)	22.18

NOTES:

† = Well purged using Corrective Action System, volume of purged water unavailable.

Well Development or Purge Water:

1. Temporary storage at this location: Yes or N/A.
2. Discharged to sanitary sewer at this location: No or N/A.
3. Contained and left on-site to be picked up by:
   - MEME vendor name: EPS of Vermont Pickup Date:
   - Water hauled by: EPS of Vermont Pickup Date: To Be Scheduled
4. Treated on-site using carbon? No (Sample Analysis must be included in report).
5. Treated on-site through groundwater treatment system? No
6. Final facility name and location* Aaron Oil Company, Saraland Alabama

• Date of delivery to management facility*

Comments:

Purge water from sampling event was transferred into 55-gallon drums for off-site disposal by EPS of Vermont following completion of the next MEME event.

*Invoice and manifest documentation must be included in the associated report and payment request

MONITOR WELL/BORING SAMPLING RECORD

CLIENT: Chevron EMC
LOCATION: Former Chevron Facility No. 45480
1022 South US Highway 231
Ozark, Alabama 36360

EVENT DATE: 12/11/18-12/12/18
EVENT TYPE: Sampling Event
FIELD PERSONNEL: Tim Herold

GENERAL WELL/BORING DATA:

Monitoring Well/Boring Identification	MW-5D	MW-6	MW-7	MW-8	MW-10	MW-11
Date of Installation	03/28/94	03/28/94	03/28/94	03/28/94	09/05/02	10/05/02
Monitoring Well Construction Material	PVC	PVC	PVC	PVC	PVC	PVC
Monitoring Well /Boring Inside Diameter (inches)	2.0	4.0	4.0	4.0	4.0	4.0
Original Monitoring Well Depth (A) (feet)	41.62	25.00	25.00	25.00	30.65	31.00
Screened Interval Elevation (feet) (1)	36.62-41.62	10.2-25.0	10.2-25.0	10.2-25.0	19.63-34.63	15.74-30.74

WATER LEVEL DATA:

Description of Reference Point (RP)	Well Csg	Well Csg	Well Csg	Well Csg	Well Csg	Well Csg
Reference Point Elevation (B) (feet)(1)	389.01	390.79	387.95	389.35	388.99	390.04
Depth to Water (C) (feet)	30.30	21.46	17.88	19.62	28.44	Destroyed
Potentiometric Surface Elevation (D=B-C) (feet)(	358.71	369.33	370.07	369.73	360.55	Destroyed
Water in Monitoring Well/Boring (E=A-C) (feet)	11.32	3.54	7.12	5.38	2.21	Destroyed
Well/Boring Unit Volme (F) (gal./foot)	0.16	0.65	0.65	0.65	0.65	Destroyed
Water Volume in Well/Boring (G=E x F) (gal.)	1.8112	2.301	4.628	3.497	1.4365	Destroyed

PURGING DATA:

Purging Method	NS	Peristaltic Pump	NS	NS	NS	Destroyed
Targeted Purge Volume Multiple (H) (unitless)	NS	N/A	NS	NS	NS	Destroyed
Targeted Purge Volume Multiple (I= Gx H) (gal.)	NS	N/A	NS	NS	NS	Destroyed
Actual Volume Removed (gal.)	NS	1.64	NS	NS	NS	Destroyed

SAMPLING PARAMETERS:

Sample Identification (as per Chain-of-Custody)	NS	MW-6-W-Y-20181212	NS	NS	NS	NS
Sample Time (24 hour - C.S.T.)	NS	11:35	NS	NS	NS	Destroyed
Color	NS	Gray	NS	NS	NS	Destroyed
Odor (UST only)(2)	Not Recorded	Heavy	Not Recorded	Not Recorded	Not Recorded	Destroyed
Appearance (3)	NS	Turbid	NS	NS	NS	Destroyed
Temperature (°F or °C)	NS	21.51 °C	NS	NS	NS	Destroyed
Specific Conductivity (µohms/cm)	NS	172	NS	NS	NS	Destroyed
pH (su)	NS	5.99	NS	NS	NS	Destroyed
Dissolved Ocygen (mg/L)	NS	1.4	NS	NS	NS	Destroyed
ORP (mV)	NS	-6	NS	NS	NS	Destroyed

ANALYTICAL PARAMETERS:

BTEX/MTBE/Naphthalene	NS	8260B	NS	NS	NS	NS
Total Petroleum Hydrocarbons	NS	NS	NS	NS	NS	NS
Total Lead	NS	NS	NS	NS	NS	NS

NOTES: (1.) Referenced to the National Geodetic Vertical Datum (NGVD)
(2.) Very Heavy, Heavy, Slight or None (3.) Turbid, Semi-Turbid or No Suspension (4.) NS = Not Sampled

MONITOR WELL/BORING SAMPLING RECORD

CLIENT: Chevron EMC
LOCATION: Former Chevron Facility No. 45480
1022 South US Highway 231
Ozark, Alabama 36360

EVENT DATE: 12/11/18-12/12/18
EVENT TYPE: Sampling Event
FIELD PERSONNEL: Tim Herold

GENERAL WELL/BORING DATA:

Monitoring Well/Boring Identification	MW-12	MW-13	MW-14	MW-15	RW-1	RW-2
Date of Installation	03/02/00	03/02/00	03/02/00	03/02/00	06/03/08	06/03/08
Monitoring Well Construction Material	PVC	PVC	PVC	PVC	PVC	PVC
Monitoring Well /Boring Inside Diameter (inches)	4.0	4.0	4.0	4.0	4.0	4.0
Original Monitoring Well Depth (A) (feet)	30.00	25.00	30.00	35.57	30.00	30.00
Screened Interval Elevation (feet) (1)	9.5-29.5	14.5-25.5	14.5-29.5	14.5-34.5	10.0-29.3	10.0-29.3

WATER LEVEL DATA:

Description of Reference Point (RP)	Well Csg	Well Csg	Well Csg	Well Csg	Well Csg	Well Csg
Reference Point Elevation (B) (feet)(1)	387.87	388.68	388.72	388.43	390.40	391.25
Depth to Water (C) (feet)	17.19	18.66	20.75	29.28	20.92	22.08
Potentiometric Surface Elevation (D=B-C) (feet)(	370.68	370.02	367.97	359.15	369.48	369.17
Water in Monitoring Well/Boring (E=A-C) (feet)	12.81	6.34	9.25	6.29	9.08	7.92
Well/Boring Unit Volme (F) (gal./foot)	0.65	0.65	0.65	0.65	0.65	0.65
Water Volume in Well/Boring (G=E x F) (gal.)	8.33	4.12	6.01	4.09	5.90	5.15

PURGING DATA:

Purging Method	NS	NS	NS	NS	Peristaltic Pump	Peristaltic Pump
Targeted Purge Volume Multiple (H) (unitless)	NS	NS	NS	NS	3.0	N/A
Targeted Purge Volume Multiple (I= Gx H) (gal.)	NS	NS	NS	NS	17.71	N/A
Actual Volume Removed (gal.)	NS	NS	NS	NS	17.83	2.71

SAMPLING PARAMETERS:

Sample Identification (as per Chain-of-Custody)	NS	NS	NS	NS	RW-1-W-N-20181211	RW-2-W-N-20181212
Sample Time (24 hour - C.S.T.)	NS	NS	NS	NS	14:10	9:20
Color	NS	NS	NS	NS	Clear	Clear
Odor (UST only)(2)	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Heavy	Heavy
Appearance (3)	NS	NS	NS	NS	No Suspension	No Suspension
Temperature (°F or °C)	NS	NS	NS	NS	22.35 °C	18.75 °C
Specific Conductivity (µohms/cm)	NS	NS	NS	NS	376	485
pH (su)	NS	NS	NS	NS	6.31	6.53
Dissolved Ocygen (mg/L)	NS	NS	NS	NS	2.57	4.89
ORP (mV)	NS	NS	NS	NS	-172	-111

ANALYTICAL PARAMETERS:

BTEX/MTBE/Naphthalene	NS	NS	NS	NS	8260B	8260B
Total Petroleum Hydrocarbons	NS	NS	NS	NS	NS	NS
Total Lead	NS	NS	NS	NS	NS	NS

NOTES: (1.) Referenced to the National Geodetic Vertical Datum (NGVD)
(2.) Very Heavy, Heavy, Slight or None (3.) Turbid, Semi-Turbid or No Suspension (4.) NS = Not Sampled

MONITOR WELL/BORING SAMPLING RECORD

CLIENT: Chevron EMC
LOCATION: Former Chevron Facility No. 45480
1022 South US Highway 231
Ozark, Alabama 36360

EVENT DATE: 12/11/18-12/12/18
EVENT TYPE: Sampling Event
FIELD PERSONNEL: Tim Herold

GENERAL WELL/BORING DATA:

Monitoring Well/Boring Identification	AS-1	AS-2				
Date of Installation	04/12/14	04/12/14				
Monitoring Well Construction Material	PVC	PVC				
Monitoring Well /Boring Inside Diameter (inches)	2.0	2.0				
Original Monitoring Well Depth (A) (feet)	42.50	42.40				
Screened Interval Elevation (feet) (1)	40-42	40-42				

WATER LEVEL DATA:

Description of Reference Point (RP)	Well Csg	Well Csg				
Reference Point Elevation (B) (feet)(1)	387.87	388.68				
Depth to Water (C) (feet)	31.90	32.41				
Potentiometric Surface Elevation (D=B-C) (feet)(1	Not Surveyed	Not Surveyed				
Water in Monitoring Well/Boring (E=A-C) (feet)	10.60	9.99				
Well/Boring Unit Volme (F) (gal./foot)	0.16	0.16				
Water Volume in Well/Boring (G=E x F) (gal.)	1.70	1.60				

PURGING DATA:

Purging Method	NS	NS				
Targeted Purge Volume Multiple (H) (unitless)	NS	NS				
Targeted Purge Volume Multiple (I= Gx H) (gal.)	NS	NS				
Actual Volume Removed (gal.)	NS	NS				

SAMPLING PARAMETERS:

Sample Identification (as per Chain-of-Custody)	NS	NS				
Sample Time (24 hour - C.S.T.)	NS	NS				
Color	NS	NS				
Odor (UST only)(2)	Not Recorded	Not Recorded				
Appearance (3)	NS	NS				
Temperature (°F or °C)	NS	NS				
Specific Conductivity (µohms/cm)	NS	NS				
pH (su)	NS	NS				
Dissolved Ocygen (mg/L)	NS	NS				
ORP (mV)	NS	NS				

ANALYTICAL PARAMETERS:

BTEX/MTBE/Naphthalene	NS	NS				
Total Petroleum Hydrocarbons	NS	NS				
Total Lead	NS	NS				

NOTES: (1.) Referenced to the National Geodetic Vertical Datum (NGVD)
(2.) Very Heavy, Heavy, Slight or None (3.) Turbid, Semi-Turbid or No Suspension (4.) NS = Not Sampled

Appendix B

Groundwater Laboratory Analytical Report

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 400-163460-1
Client Project/Site: CVX Fac 45480 Ozark, AL

For:
AECOM
One Midtown Plaza
1360 Peachtree Street, NE
Suite 500
Atlanta, Georgia 30309

Attn: Mary Grace

Authorized for release by:
12/24/2018 11:05:40 AM

Debra Vergin, Project Manager II
(850)363-5129
debra.vergin@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.

Table of Contents

Case Narrative

Client: AECOM
Project/Site: CVX Fac 45480 Ozark, AL

TestAmerica Job ID: 400-163460-1

Job ID: 400-163460-1

Laboratory: TestAmerica Pensacola

Narrative

Job Narrative
400-163460-1

Comments
No additional comments.

Receipt
The samples were received on 12/13/2018 8:48 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.5º C.

GC/MS VOA
Method(s) 8260B: The following samples were diluted to bring the concentration of target analytes within the calibration range: RW1-W-N-20181211 (400-163460-1), RW2-W-N-20181212 (400-163460-2), MW6-W-N-20181212 (400-163460-3) and MW6-W-Y-20181212 (400-163460-4). Elevated reporting limits (RLs) are provided.

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

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

Detection Summary

Client: AECOM
Project/Site: CVX Fac 45480 Ozark, AL

TestAmerica Job ID: 400-163460-1

Client Sample ID: RW1-W-N-20181211 — Lab Sample ID: 400-163460-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2.5		0.050		mg/L	50		8260B	Total/NA
Toluene	5.4		0.050		mg/L	50		8260B	Total/NA
Ethylbenzene	1.2		0.050		mg/L	50		8260B	Total/NA
Xylenes, Total	5.4		0.10		mg/L	50		8260B	Total/NA
Methyl tert-butyl ether	0.38		0.050		mg/L	50		8260B	Total/NA
Naphthalene	0.46		0.050		mg/L	50		8260B	Total/NA

Client Sample ID: RW2-W-N-20181212 — Lab Sample ID: 400-163460-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	3.9		0.025		mg/L	25		8260B	Total/NA
Toluene	0.40		0.025		mg/L	25		8260B	Total/NA
Ethylbenzene	0.67		0.025		mg/L	25		8260B	Total/NA
Xylenes, Total	1.7		0.050		mg/L	25		8260B	Total/NA
Methyl tert-butyl ether	0.34		0.025		mg/L	25		8260B	Total/NA
Naphthalene	0.29		0.025		mg/L	25		8260B	Total/NA

Client Sample ID: MW6-W-N-20181212 — Lab Sample ID: 400-163460-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.45		0.0050		mg/L	5		8260B	Total/NA
Toluene	0.68		0.0050		mg/L	5		8260B	Total/NA
Ethylbenzene	0.19		0.0050		mg/L	5		8260B	Total/NA
Xylenes, Total	1.4		0.010		mg/L	5		8260B	Total/NA
Methyl tert-butyl ether	0.012		0.0050		mg/L	5		8260B	Total/NA
Naphthalene	0.095		0.0050		mg/L	5		8260B	Total/NA

Client Sample ID: MW6-W-Y-20181212 — Lab Sample ID: 400-163460-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.56		0.010		mg/L	10		8260B	Total/NA
Toluene	0.95		0.010		mg/L	10		8260B	Total/NA
Ethylbenzene	0.28		0.010		mg/L	10		8260B	Total/NA
Xylenes, Total	2.1		0.020		mg/L	10		8260B	Total/NA
Methyl tert-butyl ether	0.016		0.010		mg/L	10		8260B	Total/NA
Naphthalene	0.15		0.010		mg/L	10		8260B	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 400-163460-5

No Detections.

This Detection Summary does not include radiochemical test results.

Sample Summary

Client: AECOM
Project/Site: CVX Fac 45480 Ozark, AL

TestAmerica Job ID: 400-163460-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-163460-1	RW1-W-N-20181211	Water	12/11/18 16:31	12/13/18 08:48
400-163460-2	RW2-W-N-20181212	Water	12/12/18 10:35	12/13/18 08:48
400-163460-3	MW6-W-N-20181212	Water	12/12/18 12:35	12/13/18 08:48
400-163460-4	MW6-W-Y-20181212	Water	12/12/18 12:35	12/13/18 08:48
400-163460-5	TRIP BLANK	Water	12/12/18 00:00	12/13/18 08:48

Client: AECOM
Project/Site: CVX Fac 45480 Ozark, AL

TestAmerica Job ID: 400-163460-1

Client Sample ID: RW1-W-N-20181211
Date Collected: 12/11/18 16:31
Date Received: 12/13/18 08:48

Lab Sample ID: 400-163460-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2.5		0.050		mg/L			12/22/18 18:50	50
Toluene	5.4		0.050		mg/L			12/22/18 18:50	50
Ethylbenzene	1.2		0.050		mg/L			12/22/18 18:50	50
Xylenes, Total	5.4		0.10		mg/L			12/22/18 18:50	50
Methyl tert-butyl ether	0.38		0.050		mg/L			12/22/18 18:50	50
Naphthalene	0.46		0.050		mg/L			12/22/18 18:50	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*78 - 118*		*12/22/18 18:50*	*50*
Dibromofluoromethane	*97*		*81 - 121*		*12/22/18 18:50*	*50*
Toluene-d8 (Surr)	*93*		*80 - 120*		*12/22/18 18:50*	*50*

Client: AECOM
Project/Site: CVX Fac 45480 Ozark, AL

TestAmerica Job ID: 400-163460-1

Client Sample ID: RW2-W-N-20181212
Date Collected: 12/12/18 10:35
Date Received: 12/13/18 08:48

Lab Sample ID: 400-163460-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	3.9		0.025		mg/L			12/22/18 18:26	25
Toluene	0.40		0.025		mg/L			12/22/18 18:26	25
Ethylbenzene	0.67		0.025		mg/L			12/22/18 18:26	25
Xylenes, Total	1.7		0.050		mg/L			12/22/18 18:26	25
Methyl tert-butyl ether	0.34		0.025		mg/L			12/22/18 18:26	25
Naphthalene	0.29		0.025		mg/L			12/22/18 18:26	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*78 - 118*		*12/22/18 18:26*	*25*
Dibromofluoromethane	*99*		*81 - 121*		*12/22/18 18:26*	*25*
Toluene-d8 (Surr)	*93*		*80 - 120*		*12/22/18 18:26*	*25*

Client: AECOM
Project/Site: CVX Fac 45480 Ozark, AL

TestAmerica Job ID: 400-163460-1

Client Sample ID: MW6-W-N-20181212
Date Collected: 12/12/18 12:35
Date Received: 12/13/18 08:48

Lab Sample ID: 400-163460-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.45		0.0050		mg/L			12/22/18 16:48	5
Toluene	0.68		0.0050		mg/L			12/22/18 16:48	5
Ethylbenzene	0.19		0.0050		mg/L			12/22/18 16:48	5
Xylenes, Total	1.4		0.010		mg/L			12/22/18 16:48	5
Methyl tert-butyl ether	0.012		0.0050		mg/L			12/22/18 16:48	5
Naphthalene	0.095		0.0050		mg/L			12/22/18 16:48	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*78 - 118*		*12/22/18 16:48*	*5*
Dibromofluoromethane	*99*		*81 - 121*		*12/22/18 16:48*	*5*
Toluene-d8 (Surr)	*94*		*80 - 120*		*12/22/18 16:48*	*5*

Client: AECOM
Project/Site: CVX Fac 45480 Ozark, AL

TestAmerica Job ID: 400-163460-1

Client Sample ID: MW6-W-Y-20181212
Date Collected: 12/12/18 12:35
Date Received: 12/13/18 08:48

Lab Sample ID: 400-163460-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.56		0.010		mg/L			12/22/18 17:13	10
Toluene	0.95		0.010		mg/L			12/22/18 17:13	10
Ethylbenzene	0.28		0.010		mg/L			12/22/18 17:13	10
Xylenes, Total	2.1		0.020		mg/L			12/22/18 17:13	10
Methyl tert-butyl ether	0.016		0.010		mg/L			12/22/18 17:13	10
Naphthalene	0.15		0.010		mg/L			12/22/18 17:13	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*78 - 118*		*12/22/18 17:13*	*10*
Dibromofluoromethane	*97*		*81 - 121*		*12/22/18 17:13*	*10*
Toluene-d8 (Surr)	*94*		*80 - 120*		*12/22/18 17:13*	*10*

Client Sample ID: TRIP BLANK
Date Collected: 12/12/18 00:00
Date Received: 12/13/18 08:48

Lab Sample ID: 400-163460-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0010		0.0010		mg/L			12/19/18 15:26	1
Toluene	<0.0010		0.0010		mg/L			12/19/18 15:26	1
Ethylbenzene	<0.0010		0.0010		mg/L			12/19/18 15:26	1
Xylenes, Total	<0.0020		0.0020		mg/L			12/19/18 15:26	1
Methyl tert-butyl ether	<0.0010		0.0010		mg/L			12/19/18 15:26	1
Naphthalene	<0.0010		0.0010		mg/L			12/19/18 15:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*78 - 118*		*12/19/18 15:26*	*1*
Dibromofluoromethane	*85*		*81 - 121*		*12/19/18 15:26*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*12/19/18 15:26*	*1*

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	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Surrogate Summary

Client: AECOM
Project/Site: CVX Fac 45480 Ozark, AL

TestAmerica Job ID: 400-163460-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(78-118)	(81-121)	(80-120)
400-163460-1	RW1-W-N-20181211	92	97	93
400-163460-2	RW2-W-N-20181212	90	99	93
400-163460-3	MW6-W-N-20181212	91	99	94
400-163460-4	MW6-W-Y-20181212	91	97	94
400-163460-5	TRIP BLANK	102	85	108
LCS 400-423840/1002	Lab Control Sample	102	87	105
LCS 400-424349/1002	Lab Control Sample	93	100	94
MB 400-423840/4	Method Blank	100	86	107
MB 400-424349/28	Method Blank	92	98	94

Surrogate Legend

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

QC Association Summary

Client: AECOM
Project/Site: CVX Fac 45480 Ozark, AL

TestAmerica Job ID: 400-163460-1

GC/MS VOA

Analysis Batch: 423840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-163460-5	TRIP BLANK	Total/NA	Water	8260B	
MB 400-423840/4	Method Blank	Total/NA	Water	8260B	
LCS 400-423840/1002	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 424349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-163460-1	RW1-W-N-20181211	Total/NA	Water	8260B	
400-163460-2	RW2-W-N-20181212	Total/NA	Water	8260B	
400-163460-3	MW6-W-N-20181212	Total/NA	Water	8260B	
400-163460-4	MW6-W-Y-20181212	Total/NA	Water	8260B	
MB 400-424349/28	Method Blank	Total/NA	Water	8260B	
LCS 400-424349/1002	Lab Control Sample	Total/NA	Water	8260B	

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

Lab Sample ID: MB 400-423840/4
Matrix: Water
Analysis Batch: 423840

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0010		0.0010		mg/L			12/19/18 13:17	1
Toluene	<0.0010		0.0010		mg/L			12/19/18 13:17	1
Ethylbenzene	<0.0010		0.0010		mg/L			12/19/18 13:17	1
Xylenes, Total	<0.0020		0.0020		mg/L			12/19/18 13:17	1
Methyl tert-butyl ether	<0.0010		0.0010		mg/L			12/19/18 13:17	1
Naphthalene	<0.0010		0.0010		mg/L			12/19/18 13:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*78 - 118*		*12/19/18 13:17*	*1*
Dibromofluoromethane	*86*		*81 - 121*		*12/19/18 13:17*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*12/19/18 13:17*	*1*

Lab Sample ID: LCS 400-423840/1002
Matrix: Water
Analysis Batch: 423840

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.0376		mg/L		75	70 - 130
Toluene	0.0500	0.0441		mg/L		88	70 - 130
Ethylbenzene	0.0500	0.0451		mg/L		90	70 - 130
Xylenes, Total	0.100	0.0897		mg/L		90	70 - 130
Methyl tert-butyl ether	0.0500	0.0348		mg/L		70	66 - 130
Naphthalene	0.0500	0.0446		mg/L		89	47 - 149

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*78 - 118*
Dibromofluoromethane	*87*		*81 - 121*
Toluene-d8 (Surr)	*105*		*80 - 120*

Lab Sample ID: MB 400-424349/28
Matrix: Water
Analysis Batch: 424349

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0010		0.0010		mg/L			12/22/18 09:27	1
Toluene	<0.0010		0.0010		mg/L			12/22/18 09:27	1
Ethylbenzene	<0.0010		0.0010		mg/L			12/22/18 09:27	1
Xylenes, Total	<0.0020		0.0020		mg/L			12/22/18 09:27	1
Methyl tert-butyl ether	<0.0010		0.0010		mg/L			12/22/18 09:27	1
Naphthalene	<0.0010		0.0010		mg/L			12/22/18 09:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*78 - 118*		*12/22/18 09:27*	*1*
Dibromofluoromethane	*98*		*81 - 121*		*12/22/18 09:27*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*12/22/18 09:27*	*1*

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

Lab Sample ID: LCS 400-424349/1002
Matrix: Water
Analysis Batch: 424349

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.0560		mg/L		112	70 - 130
Toluene	0.0500	0.0539		mg/L		108	70 - 130
Ethylbenzene	0.0500	0.0541		mg/L		108	70 - 130
Xylenes, Total	0.100	0.107		mg/L		107	70 - 130
Methyl tert-butyl ether	0.0500	0.0485		mg/L		97	66 - 130
Naphthalene	0.0500	0.0512		mg/L		102	47 - 149

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*93*		*78 - 118*
Dibromofluoromethane	*100*		*81 - 121*
Toluene-d8 (Surr)	*94*		*80 - 120*

Lab Chronicle

Client: AECOM
Project/Site: CVX Fac 45480 Ozark, AL

TestAmerica Job ID: 400-163460-1

Client Sample ID: RW1-W-N-20181211
Lab Sample ID: 400-163460-1
Date Collected: 12/11/18 16:31
Matrix: Water
Date Received: 12/13/18 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	5 mL	5 mL	424349	12/22/18 18:50	RS	TAL PEN

Client Sample ID: RW2-W-N-20181212
Lab Sample ID: 400-163460-2
Date Collected: 12/12/18 10:35
Matrix: Water
Date Received: 12/13/18 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		25	5 mL	5 mL	424349	12/22/18 18:26	RS	TAL PEN

Client Sample ID: MW6-W-N-20181212
Lab Sample ID: 400-163460-3
Date Collected: 12/12/18 12:35
Matrix: Water
Date Received: 12/13/18 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	5 mL	5 mL	424349	12/22/18 16:48	RS	TAL PEN

Client Sample ID: MW6-W-Y-20181212
Lab Sample ID: 400-163460-4
Date Collected: 12/12/18 12:35
Matrix: Water
Date Received: 12/13/18 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	5 mL	5 mL	424349	12/22/18 17:13	RS	TAL PEN

Client Sample ID: TRIP BLANK
Lab Sample ID: 400-163460-5
Date Collected: 12/12/18 00:00
Matrix: Water
Date Received: 12/13/18 08:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	423840	12/19/18 15:26	RS	TAL PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-423840/4
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	423840	12/19/18 13:17	RS	TAL PEN

Lab Chronicle

Client: AECOM
Project/Site: CVX Fac 45480 Ozark, AL

TestAmerica Job ID: 400-163460-1

Client Sample ID: Method Blank
Lab Sample ID: MB 400-424349/28

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	424349	12/22/18 09:27	RS	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-423840/1002

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	423840	12/19/18 12:16	RS	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-424349/1002

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	424349	12/22/18 08:27	RS	TAL PEN

Laboratory References:

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

Method Summary

Client: AECOM
Project/Site: CVX Fac 45480 Ozark, AL

TestAmerica Job ID: 400-163460-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PEN
5030B	Purge and Trap	SW846	TAL PEN

Protocol References:

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

Laboratory References:

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

Accreditation/Certification Summary

Client: AECOM
Project/Site: CVX Fac 45480 Ozark, AL

TestAmerica Job ID: 400-163460-1

Laboratory: TestAmerica Pensacola

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Alabama	State Program	4	40150	06-30-19
ANAB	ISO/IEC 17025		L2471	02-22-20
Arizona	State Program	9	AZ0710	01-12-20
Arkansas DEQ	State Program	6	88-0689	09-01-19
California	State Program	9	2510	06-30-19
Florida	NELAP	4	E81010	06-30-19
Georgia	State Program	4	E81010 (FL)	06-30-19
Illinois	NELAP	5	200041	10-09-19
Iowa	State Program	7	367	08-01-20
Kansas	NELAP	7	E-10253	12-31-18
Kentucky (UST)	State Program	4	53	06-30-19
Kentucky (WW)	State Program	4	98030	12-31-18
Louisiana	NELAP	6	30976	06-30-19
Louisiana (DW)	NELAP	6	LA017	12-31-19
Maryland	State Program	3	233	09-30-19
Massachusetts	State Program	1	M-FL094	06-30-19
Michigan	State Program	5	9912	06-30-19
New Jersey	NELAP	2	FL006	06-30-19
North Carolina (WW/SW)	State Program	4	314	12-31-19
Oklahoma	State Program	6	9810	08-31-19
Pennsylvania	NELAP	3	68-00467	01-31-19
Rhode Island	State Program	1	LAO00307	12-30-18
South Carolina	State Program	4	96026	06-30-19
Tennessee	State Program	4	TN02907	06-30-19
Texas	NELAP	6	T104704286-18-15	09-30-19
US Fish & Wildlife	Federal		LE058448-0	07-31-19
USDA	Federal		P330-18-00148	05-17-21
Virginia	NELAP	3	460166	06-14-19
Washington	State Program	10	C915	05-15-19
West Virginia DEP	State Program	3	136	06-30-19

TestAmerica Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone (850) 474-1001 Fax (850) 478-2671

681-Atlanta

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: TIM HEROLD	Lab PM: Vergin, Debra	Carrier Tracking No(s):	COC No: 400-79330-28410.1
Client Contact: Mary Grace	Phone: 404-662-6581	E-Mail: debra.vergin@testamericainc.com		Page: Page 1 of 1
Company: AECOM				Job #:
Address: One Midtown Plaza 1360 Peachtree Street, NE Suite 500	Due Date Requested:	Analysis Requested		Preservation Codes:
City: Atlanta	TAT Requested (days): NORMAL TAT			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: GA, 30309				
Phone: 678-808-8939(Tel)	PO #: 60539324			
Email: mary.grace@aecom.com	WO #: 52.05			
Project Name: CVX Fac 45480 Ozark, AL	Project #: 40007714			
Site:	SSOW#:			Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - BTEXMN 8260B	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
RW1-W-N-20181211	12-11-18		G	GW	N	N	X	3	
RW2-W-N-20181212	12-12-18	1035	G	GW	N	N	X	3	
MW6-W-N-20181212	12-12-18	1235	G	GW	N	N	X	3	
MW6-W-Y-20181212	12-12-18	1235	G	GW	N	N	X	3	
TRIP BLANK	-	-	G	W	N	N	X	3	

400-163460 COC

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		12/12/2018 1845	AECOM		12/13/18 848	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 3.5

Ver: 08/04/2016

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-163460-1

Login Number: 163460
List Number: 1
Creator: Johnson, Jeremy N

List Source: TestAmerica Pensacola

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.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.5°C IR7
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.	False	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Appendix C

Natural Attenuation Monitoring Report

NATURAL ATTENUATION MONITORING REPORT

Facility Name:	Former Chevron Facility #45480	Year:	2018
Facility I. D. No.:	10950-045-005241	Period:	2
Incident No.:	UST93-05-33	Reporting Period:	09/11/18 - 01/11/19
Consulting Firm:	AECOM	Project Manager:	Mary Grace

Section 1 - Site Summary

Purpose of Monitoring:

[ ] Plume Characterization

[ ] Confirmation Monitoring

[X] Remediation by Natural Attenuation (Approved Corrective Action Plan)

Site Status:

[Yes] Assessment Complete

[Yes] ARBCA Evaluation Conducted

[Yes] Active UST's

[I.1] Site Classification

[Yes] Free Product ever present

Number of Groundwater Monitoring Wells:

[ ] Piezometers

[8] Type II

[1] Type III

[4] Other

Number of Water Supply Wells:

[0] Public (within 1 mile radius of site)

[0] Private (within 1000 foot radius of site)

[ ] Other (Explain) _____

Status of Waste Water Disposal:

[33] Quantity (gallons)

[EPS] Disposal Method

[X] Stored On-site

[X] Disposal Documentation

Comments:
RNA CAP augmented with MEME (with supplemental air sparging) events
MW-6 is a source area well.

ATTACH A BRIEF SUMMARY OF THE ARBCA EVALUATION INCLUDING THE SSTL'S DEVELOPED FOR THE SITE AND THE LOCATION OF THE POINT OF COMPLIANCE.

NATURAL ATTENUATION MONITORING REPORT

Facility Name:	Former Chevron Facility #45480	Year:	2018
Facility I. D. No.:	10950-045-005241	Period:	2
Incident No.:	UST93-05-33	Reporting Period:	09/11/18 - 01/11/19
Consulting Firm:	AECOM	Project Manager:	Mary Grace

Section 2 - Site Maps

Attach site map(s) illustrating all well locations, location of former and/or current UST system(s), utilities, adjacent properties, receptors, current and most likely future land use of site and adjacent properties, Point of Compliance, buildings and other pertinent features. All maps should contain a north arrow and should be to scale.

Section 3 - Well Inventory Tables

Monitoring Wells

Well ID	Date Installed	Diameter (inches)	Screened (Feet interval bags)		Depth to Water (Feet/Bags)
MW-5D	3/28/1994	2.00	36.62	41.62	28.91
MW-6	3/28/1994	4.00	10.20	25.00	20.55
MW-7	3/29/1994	4.00	10.20	25.00	16.88
MW-8	3/28/1994	4.00	10.20	25.00	18.70
MW-10	2/9/1995	4.00	19.63	34.63	27.27
MW-11	2/10/1995	4.00	15.74	30.74	Destroyed
MW-12	3/2/2000	4.00	9.50	29.50	17.40
MW-13	3/2/2000	4.00	14.50	24.50	18.90
MW-14	3/2/2000	4.00	14.50	29.50	20.83
MW-15	3/2/2000	4.00	14.50	34.50	28.94
RW-1	6/3/2008	4.00	10.00	29.30	20.90
RW-2	6/3/2008	4.00	10.00	29.30	22.06

NM=Not Measured

Water Supply Wells

Well ID	Date Installed	Diameter (inches)	Screened (feet	Interval bgs)	Depth to Water (feet bgs)	Well Use

NATURAL ATTENUATION MONITORING REPORT

Facility Name:	Former Chevron Facility #45480	Year:	2018
Facility I. D. No.:	10950-045-005241	Period:	2
Incident No.:	UST93-05-33	Reporting Period:	09/11/18 - 01/11/19
Consulting Firm:	AECOM	Project Manager:	Mary Grace

Section 4 - History of Sampling

Date	Sampling Parameters										Sampled By		
Sampled	BTEX	MTBE	PAH	Metals	D.O.	Nitrate	Fe+2	Sulfate	Naph		Name	Company	Title
02/12/98	X	X			X						R. West	LEC	Geologist
07/01/98	X	X			X						R. West	LEC	Geologist
03/09/00	X	X		X	X						J. Fincher	LEC	Technician
06/12/02	X	X	X	X	X						A. Sanders	LEC	Engineer
08/28/02	X	X	X	X	X						W. Rottgerging	LEC	Technician
12/02/02	X	X	X	X	X						W. Rottgerging	LEC	Technician
04/08/05	X	X									G. Budd	SECOR	Geologist
07/13/05	X	X									J. Johnson	SECOR	Technician
11/10/05	X	X									D. Carroll	SECOR	Technician
03/08/06	X	X									D. Carroll	SECOR	Technician
07/10/06	X	X									G. Budd	SECOR	Geologist
11/07/06	X	X									G. Budd	SECOR	Geologist
06/12/07	X	X									DC,JJ	SECOR	Technician
10/11/07	X	X									J. Johnson	SECOR	Technician
02/13/08	X	X			X						D. Carroll	SECOR	Technician
07/09/08	X	X			X						D. Carroll	Stantec	Technician
10/01/08	X	X			X						J. Johnson	Stantec	Technician
01/16/09	X	X			X						D. Carroll	Stantec	Technician
04/23/09	X	X			X						D. Carroll	Stantec	Technician
02/09/10	X	X									D. Carroll	Stantec	Technician
10/21/10	X	X									D. Carroll	Stantec	Technician
05/31/11	X	X									D. Carroll	Stantec	Technician
08/31/11	X	X									J. Johnson	Stantec	Technician
06/12/12	X	X									D. Carroll	Stantec	Technician
10/04/12	X	X									D. Carroll	Stantec	Technician
02/07/13	X	X									G. Budd	Stantec	Geologist
03/28/14	X	X									G. Budd	Stantec	Geologist
09/05/14	X	X							X		D. Carroll	Stantec	Technician
01/26/15	X	X							X		D. Carroll	Stantec	Technician
05/20/15	X	X							X		D. Carroll	Stantec	Technician
09/29/15	X	X							X		D. Carroll	Stantec	Technician
02/02/16	X	X							X		D. Carroll	Stantec	Technician
05/12/16	X	X							X		D. Carroll	Stantec	Technician
09/13/16	X	X							X		M. Buckreis	Stantec	Technician
05/16/17	X	X							X		C. Watson	AECOM	Geologist
09/26/17	X	X							X		C. Watson	AECOM	Geologist
01/18/18	X	X							X		R. Hilliard	AECOM	Geologist
09/06/18	X	X							X		M. Cherry	AECOM	Technician
12/11-12/18	X	X							X		T. Herold	AECOM	Geologist

INDICATE SAMPLING PARAMETERS COLLECTED/MEASURED DURING EACH MONITORING EVENT. CHECK APPROPRIATE BOXES INDICATING SAMPLING PARAMETERS.

NATURAL ATTENUATION MONITORING REPORT

Facility Name:	Former Chevron Facility #45480	Year:	2018
Facility I. D. No.:	10950-045-005241	Period:	2
Incident No.:	UST93-05-33	Reporting Period:	09/11/18 - 01/11/19
Consulting Firm:	AECOM	Project Manager:	Mary Grace

Section 5 - Sampling Methodology

Date	Analytical Methods										Sampled By		
Sampled	BTEX	MTBE	PAH	Lead	D.O.	Nitrate	Fe+2	Sulfate	Naph		Name	Company	Title
02/12/98	8020	8020			Field						R. West	LEC	Geologist
07/01/98	8020A	8020A			Field						R. West	LEC	Geologist
03/09/00	8021B	8021B		6010	Field						J. Fincher	LEC	Technician
06/12/02	8021	8021	8310	6010	Field						A. Sanders	LEC	Engineer
08/28/02	8021	8021	8310	6010	Field						W. Rottgerging	LEC	Technician
12/02/02	8021	8021	8310	6010	Field						W. Rottgerging	LEC	Technician
04/08/05	8021	8021			Field						G. Budd	SECOR	Geologist
07/13/05	8021	8021			Field						J. Johnson	SECOR	Technician
11/10/05	8021	8021									D. Carroll	SECOR	Technician
03/08/06	8021	8021									D. Carroll	SECOR	Technician
07/10/06	8021	8021									G. Budd	SECOR	Geologist
11/07/06	8260B	8260B									G. Budd	SECOR	Geologist
06/12/07	8260B	8260B			Field						DC,JJ	SECOR	Technician
10/11/07	8260B	8260B									J. Johnson	SECOR	Technician
02/13/08	8260B	8260B			Field						D. Carroll	SECOR	Technician
07/09/08	8260B	8260B			Field						D. Carroll	Stantec	Technician
10/01/08	8260B	8260B									J. Johnson	Stantec	Technician
01/16/09	8260B	8260B									D. Carroll	Stantec	Technician
04/23/09	8260B	8260B									D. Carroll	Stantec	Technician
02/09/10	8260B	8260B									D. Carroll	Stantec	Technician
10/21/10	8260B	8260B									D. Carroll	Stantec	Technician
05/31/11	8260B	8260B									D. Carroll	Stantec	Technician
08/31/11	8260B	8260B									J. Johnson	Stantec	Technician
06/12/12	8260B	8260B									D. Carroll	Stantec	Technician
10/04/12	8260B	8260B			Field						D. Carroll	Stantec	Technician
02/07/13	8260B	8260B									G. Budd	Stantec	Geologist
03/28/14	8260B	8260B									G. Budd	Stantec	Geologist
09/05/14	8260B	8260B							8260B		D. Carroll	Stantec	Technician
01/26/15	8260B	8260B							8260B		D. Carroll	Stantec	Technician
05/20/15	8260B	8260B							8260B		D. Carroll	Stantec	Technician
09/29/15	8260B	8260B							8260B		D. Carroll	Stantec	Technician
02/02/16	8260B	8260B							8260B		D. Carroll	Stantec	Technician
05/12/16	8260B	8260B							8260B		D. Carroll	Stantec	Technician
09/13/16	8260B	8260B							8260B		M. Buckreis	Stantec	Technician
05/16/17	8260B	8260B							8260B		C. Watson	AECOM	Geologist
09/26/17	8260B	8260B							8260B		C. Watson	AECOM	Geologist
01/18/18	8260B	8260B							8260B		R. Hilliard	AECOM	Geologist
09/06/18	8260B	8260B							8260B		M.Cherry	AECOM	Technician
12/11-12/18	8260B	8260B							8260B		T. Herold	AECOM	Geologist

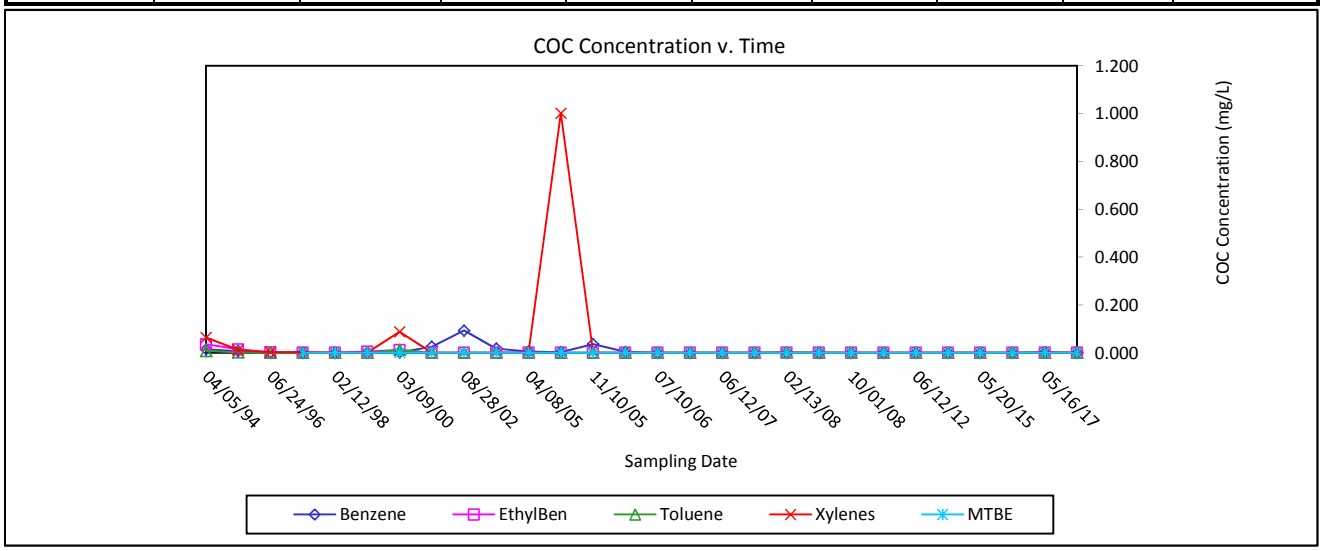
NATURAL ATTENUATION MONITORING REPORT

Facility Name:	Former Chevron Facility #45480	Year:	2018
Facility I. D. No.:	10950-045-005241	Period:	2
Incident No.:	UST93-05-33	Reporting Period:	09/11/18 - 01/11/19
Consulting Firm:	AECOM	Project Manager:	Mary Grace

Section 6 - Historical Monitoring Well Chemicals of Concern Data (mg/L)

Well ID MW-5D

	Historical Chemicals of Concern Data								
DATE	Benzene	Toluene	EthylBen	Xylenes	MTBE	Naphth	B(a)P	Lead	
04/05/94	**0.014**	**0.007**	**0.035**	**0.063**					
02/20/95	**0.006**	**0.001**	**0.014**	**0.011**					
06/24/96	**0.001**	<0.005	**0.001**	**0.003**					
11/06/97	<0.0005	<0.0005	**0.001**	**0.002**	<0.0005			<0.003	
02/12/98	<0.0005	<0.0005	<0.0005	<0.001	<0.0005				
07/01/98	**0.001**	<0.0005	**0.0047**	<0.001	<0.0005			<0.003	
03/09/00	**0.001**	**0.012**	**0.011**	**0.087**	<0.0005			<0.003	
06/12/02	**0.025**	<0.0005	<0.0005	<0.001	<0.0005			<0.003	
08/28/02	**0.0927**	<0.0005	<0.0005	<0.001	<0.0005			**0.0037**	
12/02/02	**0.017**	<0.0005	<0.0005	<0.001	<0.0005			**0.0070**	
04/08/05	**0.00489**	<0.0005	<0.0005	**0.00116**	<0.0005				
07/13/05	**0.00212**	<0.0005	<0.0005	**1.00116**	<0.0005				
11/10/05	**0.0357**	<0.0005	<0.0005	<0.001	<0.0005				
03/08/06	**0.00279**	<0.0005	<0.0005	<0.001	<0.0005				
07/10/06	<0.001	<0.001	<0.001	<0.002	<0.001				
11/07/06	<0.001	<0.001	<0.001	<0.002	<0.001				
06/12/07	<0.001	<0.001	<0.001	<0.002	<0.001				
10/11/07	<0.001	<0.001	<0.001	<0.002	<0.001				
02/13/08	<0.001	**0.0018**	<0.001	<0.002	<0.001				
07/09/08	<0.001	<0.001	<0.001	<0.002	<0.001				
10/01/08	<0.001	<0.001	<0.001	<0.002	<0.001				
05/31/11	<0.001	<0.001	<0.001	<0.002	<0.001				
06/12/12	<0.001	<0.001	<0.001	<0.002	<0.001				
03/28/14	<0.001	<0.001	<0.001	<0.002	<0.001				
05/20/15	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001			
05/12/16	<0.0010	<0.0010	<0.0010	<0.0050	<0.0010	<0.0010			
05/16/17	**0.0017**	<0.0010	<0.0010	<0.0020	<0.0010	<0.0010			
09/06/18	<0.0010	<0.0010	<0.0010	<0.0020	<0.0010	<0.0010			



ATTACH SITE MAPS FOR THE THREE (3) MOST RECENT MONITORING EVENTS ILLUSTRATING THE DISTRIBUTION OF ALL GROUNDWATER COC DATA.

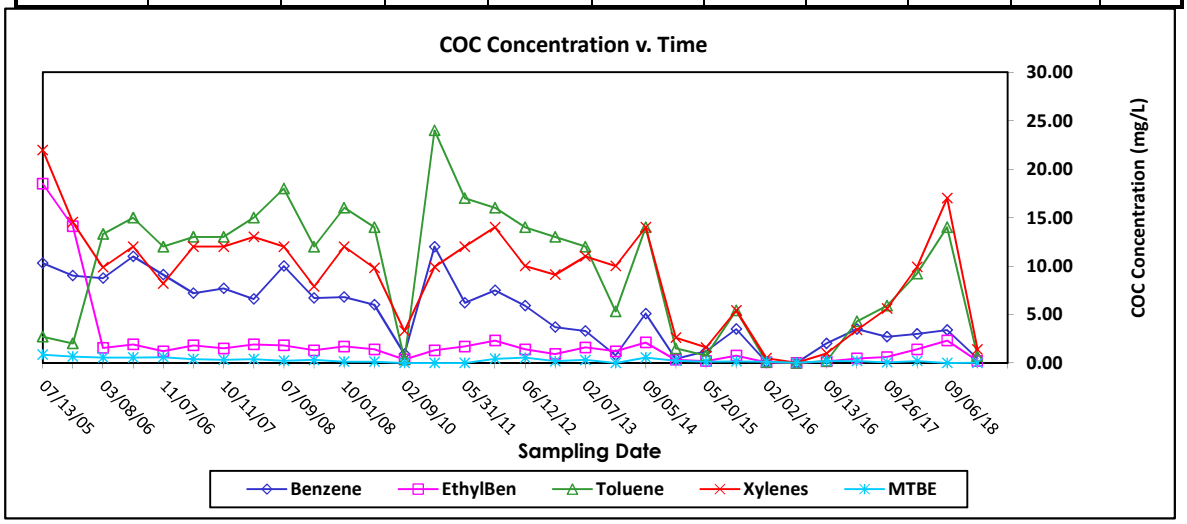
NATURAL ATTENUATION MONITORING REPORT

Facility Name:	Former Chevron Facility #45480	Year:	2018
Facility I. D. No.:	10950-045-005241	Period:	2
Incident No.:	UST93-05-33	Reporting Period:	09/11/18 - 01/11/19
Consulting Firm:	AECOM	Project Manager:	Mary Grace

Section 6 - Historical Monitoring Well Chemicals of Concern Data (mg/L)

Well ID MW-6

	Historical Chemicals of Concern Data									
DATE	Benzene	Toluene	EthylBen	Xylenes	MTBE	Naphth	B(a)P	Lead	Other	
07/13/05	**10.30**	**2.700**	**18.500**	**21.950**	**0.868**					
11/10/05	**9.0100**	**2.000**	**14.100**	**14.520**	**0.671**					
03/08/06	**8.750**	**13.300**	**1.560**	**9.860**	**0.547**					
07/10/06	**11.0**	**15.0**	**1.9**	**12.0**	**0.56**					
11/07/06	**9.1**	**12.0**	**1.2**	**8.2**	**0.60**					
06/12/07	**7.2**	**13.0**	**1.8**	**12.0**	**0.40**					
10/11/07	**7.7**	**13.0**	**1.5**	**12.0**	**0.33**					
02/13/08	**6.6**	**15.0**	**1.9**	**13.0**	**0.38**					
07/09/08	**10.0**	**18.0**	**1.8**	**12.0**	**0.22**					
10/01/08	**6.7**	**12.0**	**1.3**	**7.9**	**0.31**					
10/01/08	**6.8**	**16.0**	**1.7**	**12.0**	**0.13**					
04/23/09	**6.0**	**14.0**	**1.4**	**9.8**	**0.14**					
02/09/10	**0.91**	**0.36**	**0.36**	**3.3**	<0.010					
10/21/10	**12.0**	**24.0**	**1.30**	**9.9**	<0.20					
05/31/11	**6.20**	**17.0**	**1.70**	**12.0**	<0.10					
08/31/11	**7.50**	**16.0**	**2.30**	**14.0**	**0.44**					
06/12/12	**5.90**	**14.0**	**1.40**	**10.0**	**0.54**					
10/04/12	**3.70**	**13.0**	**0.93**	**9.1**	**0.18**					
02/07/13	**3.3**	**12.0**	**1.6**	**11.0**	**0.31**					
03/28/14	**0.8**	**5.3**	**1.2**	**10.0**	<0.050					
09/05/14	**5.1**	**14.0**	**2.1**	**14.0**	**0.55**	**0.72**				
01/26/15	**0.43**	**1.5**	**0.33**	**2.6**	**0.24**	**0.55**				
05/20/15	**1.2**	**0.76**	**0.19**	**1.6**	**0.14**	**0.15**				
09/29/15	**3.5**	**5.40**	**0.76**	**5.4**	**0.15**	**0.65**				
02/02/16	**0.077**	**0.093**	**0.061**	**0.49**	**0.14**	**0.70**				
05/12/16	**0.0088**	**0.0057**	**0.0014**	**0.013**	**0.011**	**0.0026**				
09/13/16	**2.0**	**0.20**	**0.15**	**0.99**	**0.19**	**1.1**				
05/16/17	**3.5**	**4.3**	**0.46**	**3.4**	**0.19**	**0.75**				
09/26/17	**2.7**	**5.9**	**0.61**	**5.6**	**0.060**	**0.69**				
01/18/18	**3.0**	**9.2**	**1.40**	**9.9**	**0.20**	**0.69**				
09/06/18	**3.4**	**14**	**2.3**	**17**	**<0.10**	**0.82**				
12/12/18	**0.45**	**0.68**	**0.19**	**1.4**	**0.012**	**0.095**				



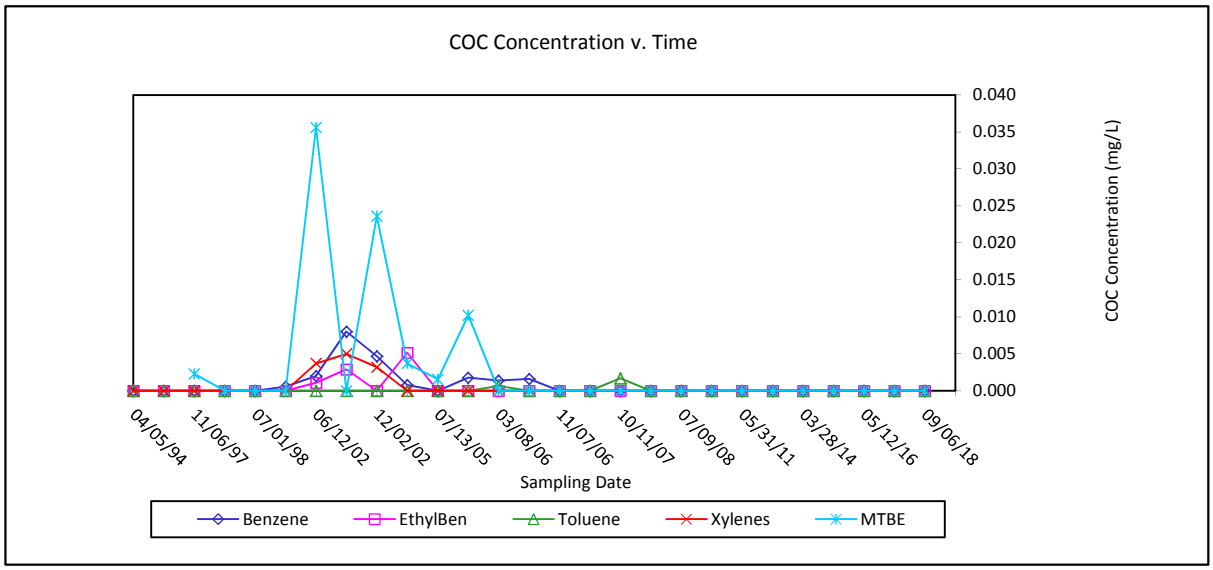
ATTACH SITE MAPS FOR THE THREE (3) MOST RECENT MONITORING EVENTS
ILLUSTRATING THE DISTRIBUTION OF ALL GROUNDWATER COC DATA.

NATURAL ATTENUATION MONITORING REPORT

Facility Name:	Former Chevron Facility #45480	Year:	2018
Facility I. D. No.:	10950-045-005241	Period:	2
Incident No.:	UST93-05-33	Reporting Period:	09/11/18 - 01/11/19
Consulting Firm:	AECOM	Project Manager:	Mary Grace

Section 6 - Historical Monitoring Well Chemicals of Concern Data (mg/L)

				Well ID	MW-7					
	Historical Chemicals of Concern Data									
DATE	Benzene	Toluene	EthylBen	Xylenes	MTBE	Naphth	B(a)P	Lead		
04/05/94	<0.0005	<0.0005	<0.0005	<0.001						
06/24/96	<0.0005	<0.0005	<0.0005	<0.001						
11/06/97	<0.0005	<0.0005	<0.0005	<0.001	**0.002**					
02/12/98	<0.0005	<0.0005	<0.0005	<0.001	<0.0005					
07/01/98	<0.0005	<0.0005	<0.0005	<0.001	<0.0005			<0.003		
03/09/00	**0.00056**	<0.0005	<0.0005	<0.001	<0.0005			<0.003		
06/12/02	**0.0020**	<0.0005	**0.00110**	**0.0037**	**0.03560**			<0.003		
08/28/02	**0.0080**	<0.0005	**0.00290**	**0.0050**	<0.0005			<0.003		
12/02/02	**0.0047**	<0.0005	<0.0005	**0.0032**	**0.02360**			**0.01570**		
04/08/05	**0.000791**	<0.0005	**0.00515**	<0.0015	**0.00370**					
07/13/05	<0.0005	<0.0005	<0.0005	<0.0015	**0.00155**					
11/10/05	**0.00177**	<0.0005	<0.0005	<0.0015	**0.0102**					
03/08/06	**0.00138**	**0.000638**	<0.0005	<0.0015	<0.0005					
07/10/06	**0.0016**	<0.001	<0.001	<0.002	<0.001					
11/07/06	<0.001	<0.001	<0.001	<0.002	<0.001					
06/12/07	<0.001	<0.001	<0.001	<0.002	<0.001					
10/11/07	<0.001	**0.0017**	<0.001	<0.002	<0.001					
02/13/08	<0.001	<0.001	<0.001	<0.002	<0.001					
07/09/08	<0.001	<0.001	<0.001	<0.002	<0.001					
10/01/08	<0.001	<0.001	<0.001	<0.002	<0.001					
05/31/11	<0.001	<0.001	<0.001	<0.002	<0.001					
06/12/12	<0.001	<0.001	<0.001	<0.002	<0.001					
03/28/14	<0.001	<0.001	<0.001	<0.002	<0.001					
05/20/15	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001				
05/12/16	<0.0010	<0.0010	<0.0010	<0.0050	<0.0010	<0.0010				
05/16/17	<0.0010	<0.0010	<0.0010	<0.0020	<0.0010	<0.0010				
09/06/18	<0.0010	<0.0010	<0.0010	<0.0020	<0.0010	<0.0010				



ATTACH SITE MAPS FOR THE THREE (3) MOST RECENT MONITORING EVENTS ILLUSTRATING THE DISTRIBUTION OF ALL GROUNDWATER COC DATA.

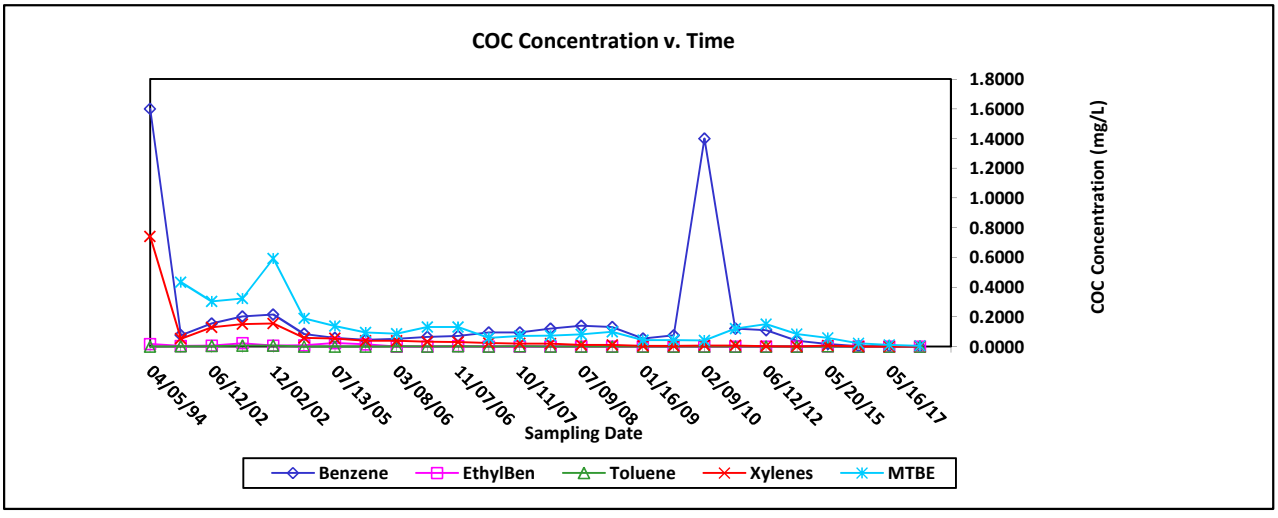
NATURAL ATTENUATION MONITORING REPORT

Facility Name:	Former Chevron Facility #45480	Year:	2018
Facility I. D. No.:	10950-045-005241	Period:	2
Incident No.:	UST93-05-33	Reporting Period:	09/11/18 - 01/11/19
Consulting Firm:	AECOM	Project Manager:	Mary Grace

Section 6 - Historical Monitoring Well Chemicals of Concern Data (mg/L)

Well ID MW-8

	Historical Chemicals of Concern Data									
DATE	Benzene	Toluene	EthylBen	Xylenes	MTBE	Naphth	B(a)P	Lead		
04/05/94	**1.6000**	<0.0005	**0.0160**	**0.7400**						
03/09/00	**0.0760**	**0.0011**	**0.0031**	**0.0522**	**0.4320**			<0.003		
06/12/02	**0.1540**	**0.0028**	**0.0064**	**0.1281**	**0.3040**			**0.0083**		
08/28/02	**0.2020**	**0.0053**	**0.0222**	**0.1508**	**0.3220**			**0.0037**		
12/02/02	**0.2150**	**0.00656**	**0.00593**	**0.1538**	**0.5910**			**0.0088**		
04/08/05	**0.0847**	<0.0005	**0.00733**	**0.05798**	**0.1890**					
07/13/05	**0.0581**	<0.0005	**0.02360**	**0.05446**	**0.1380**					
11/10/05	**0.0455**	<0.0005	**0.0146**	**0.038**	**0.0938**					
03/08/06	**0.0511**	**0.00217**	<0.0005	**0.0383**	**0.0862**					
07/10/06	**0.0640**	<0.001	<0.001	**0.031**	**0.13**					
11/07/06	**0.070**	**0.0017**	**0.0027**	**0.029**	**0.13**					
06/12/07	**0.094**	<0.001	<0.001	**0.023**	**0.058**					
10/11/07	**0.095**	**0.0017**	<0.001	**0.020**	**0.071**					
02/13/08	**0.12**	<0.001	<0.001	**0.018**	**0.073**					
07/09/08	**0.14**	<0.001	<0.001	**0.011**	**0.081**					
10/01/08	**0.13**	<0.001	<0.001	**0.011**	**0.099**					
01/16/09	**0.054**	<0.001	<0.001	**0.0044**	**0.043**					
04/23/09	**0.075**	<0.001	<0.001	**0.0040**	**0.042**					
02/09/10	**1.400**	<0.0010	<0.0010	**0.0070**	**0.041**					
05/31/11	**0.120**	<0.0010	<0.0010	**0.0070**	**0.12**					
06/12/12	**0.110**	<0.0010	<0.0010	**0.0023**	**0.15**					
03/28/14	**0.038**	<0.0010	<0.0010	<0.0020	**0.08**					
05/20/15	**0.017**	**0.0024**	**0.0015**	**0.0052**	**0.057**	**0.0016**				
05/12/16	**0.0025**	<0.0010	<0.0010	<0.0050	**0.021**	<0.0010				
05/16/17	**0.0025**	<0.0010	<0.0010	<0.0020	**0.010**	<0.0010				
09/06/18	<0.0010	<0.0010	<0.0010	<0.0020	**0.0036**	<0.0010				



NATURAL ATTENUATION MONITORING REPORT

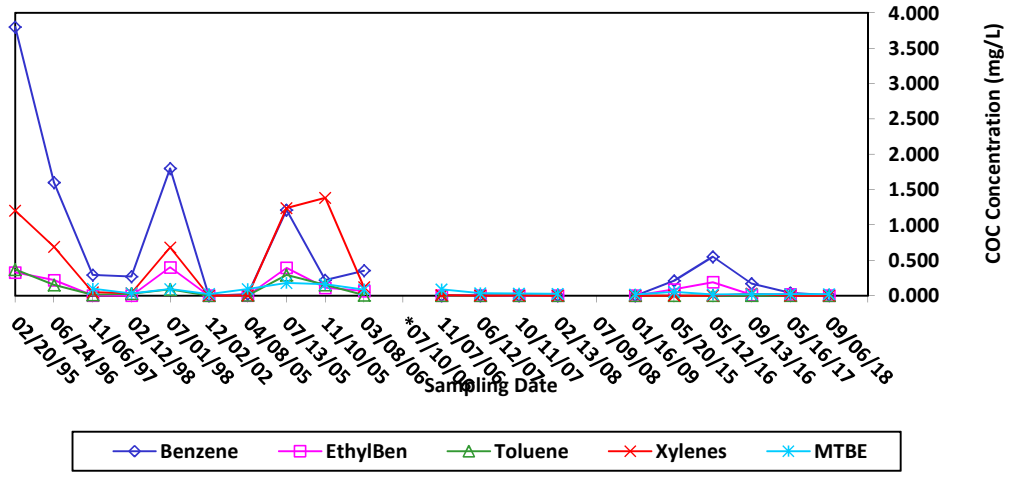
Facility Name:	Former Chevron Facility #45480	Year:	2018
Facility I. D. No.:	10950-045-005241	Period:	2
Incident No.:	UST93-05-33	Reporting Period:	09/11/18 - 01/11/19
Consulting Firm:	Stantec Consulting Services Inc.	Project Manager:	Mary Grace

Section 6 - Historical Monitoring Well Chemicals of Concern Data (mg/L)

Well ID MW-10

	Historical Chemicals of Concern Data									
DATE	Benzene	Toluene	EthylBen	Xylenes	MTBE	Naphth	B(a)P	Lead		
02/20/95	**3.800**	**0.370**	**0.330**	**1.200**						
06/24/96	**1.600**	**0.150**	**0.220**	**0.690**						
11/06/97	**0.290**	**0.013**	**0.003**	**0.049**	**0.0980**					
02/12/98	**0.270**	**0.027**	<0.0005	**0.033**	**0.0320**					
07/01/98	**1.800**	**0.089**	**0.400**	**0.680**	**0.0930**			**0.0050**		
12/02/02	<0.0005	<0.0005	<0.0005	<0.001	**0.0227**			<0.003		
04/08/05	**0.0199**	**0.00425**	**0.00107**	**0.00158**	**0.0916**					
07/13/05	**1.2100**	**0.29300**	**0.39400**	**1.23800**	**0.1780**					
11/10/05	**0.218**	**0.152**	**0.111**	**1.383**	**0.162**					
03/08/06	**0.353**	**0.00654**	**0.0644**	**0.118**	**0.0857**					
*07/10/06										
11/07/06	**0.0021**	<0.001	<0.001	**0.0055**	**0.087**					
06/12/07	**0.0015**	<0.001	<0.001	<0.002	**0.035**					
10/11/07	<0.001	**0.0015**	<0.001	**0.0037**	**0.031**					
02/13/08	<0.001	<0.001	<0.001	<0.002	**0.025**					
07/09/08										
01/16/09	<0.001	<0.001	<0.001	<0.002	**0.016**					
05/20/15	**0.21**	<0.001	**0.088**	<0.005	**0.051**	**0.041**				
05/12/16	**0.55**	<0.0020	**0.19**	<0.010	**0.017**	**0.12**				
09/13/16	**0.17**	<0.0010	**0.012**	**0.027**	**0.021**	**0.050**				
05/16/17	**0.04**	<0.0010	**0.020**	<0.002	**0.021**	**0.011**				
09/06/18	**0.0067**	<0.0010	<0.0010	<0.0020	**0.019**	**0.0071**				

COC Concentration v. Time



ATTACH SITE MAPS FOR THE THREE (3) MOST RECENT MONITORING EVENTS ILLUSTRATING THE DISTRIBUTION OF ALL GROUNDWATER COC DATA.

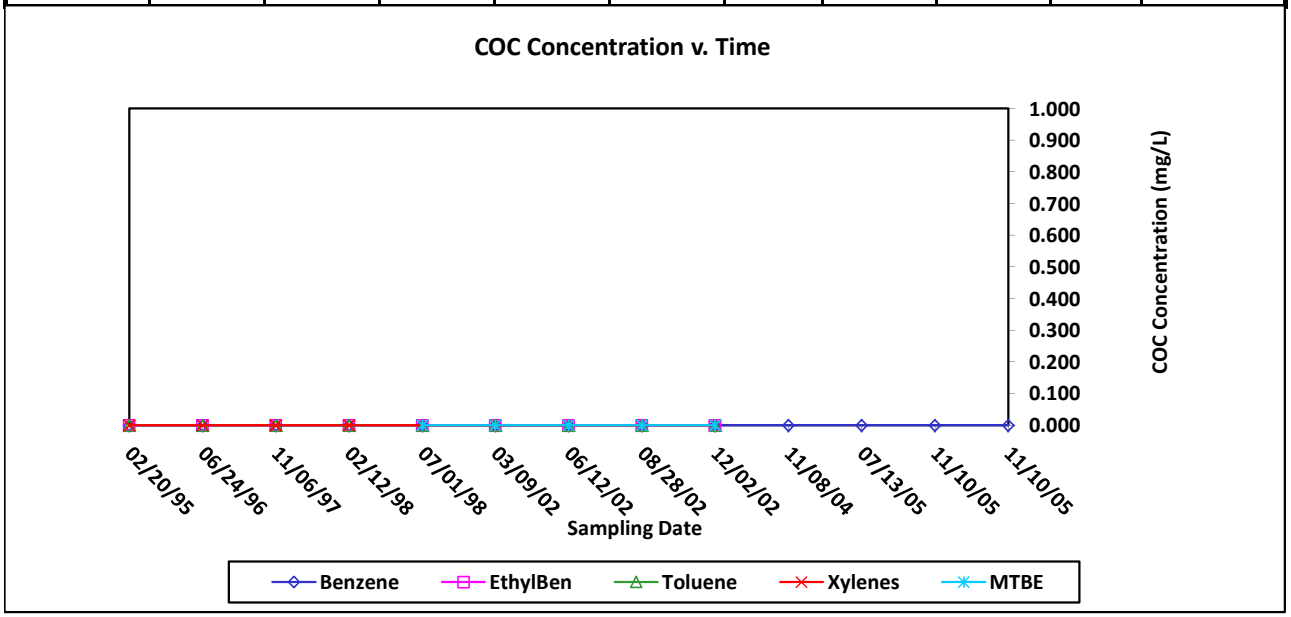
NATURAL ATTENUATION MONITORING REPORT

Facility Name:	Former Chevron Facility #45480	Year:	2018
Facility I. D. No.:	10950-045-005241	Period:	2
Incident No.:	UST93-05-33	Reporting Period:	09/11/18 - 01/11/19
Consulting Firm:	AECOM	Project Manager:	Mary Grace

Section 6 - Historical Monitoring Well Chemicals of Concern Data (mg/L)

Well ID MW-11

	Historical Chemicals of Concern Data									
DATE	Benzene	Toluene	EthylBen	Xylenes	MTBE	Naphth	B(a)P	Lead		
02/20/95	<0.0005	<0.0005	<0.0005	<0.001						
06/24/96	<0.0005	<0.0005	<0.0005	<0.001						
11/06/97	<0.0005	<0.0005	<0.0005	<0.001						
02/12/98	<0.0005	<0.0005	<0.0005	<0.001						
07/01/98	<0.0005	<0.0005	<0.0005	<0.001	<0.003			<0.003		
03/09/02	<0.0005	<0.0005	<0.0005	<0.001	<0.003			**0.0015**		
06/12/02	<0.0005	<0.0005	<0.0005	<0.001	<0.003			**0.0054**		
08/28/02	<0.0005	<0.0005	<0.0005	<0.001	<0.003			<0.003		
12/02/02	<0.0005	<0.0005	<0.0005	<0.001	<0.0005			**0.0064**		
11/08/04	Well covered by new pavement									
07/13/05	Well covered by new pavement									
11/10/05	Well covered by new pavement									
11/10/05	Well covered by new pavement									



ATTACH SITE MAPS FOR THE THREE (3) MOST RECENT MONITORING EVENTS ILLUSTRATING THE DISTRIBUTION OF ALL GROUNDWATER COC DATA.

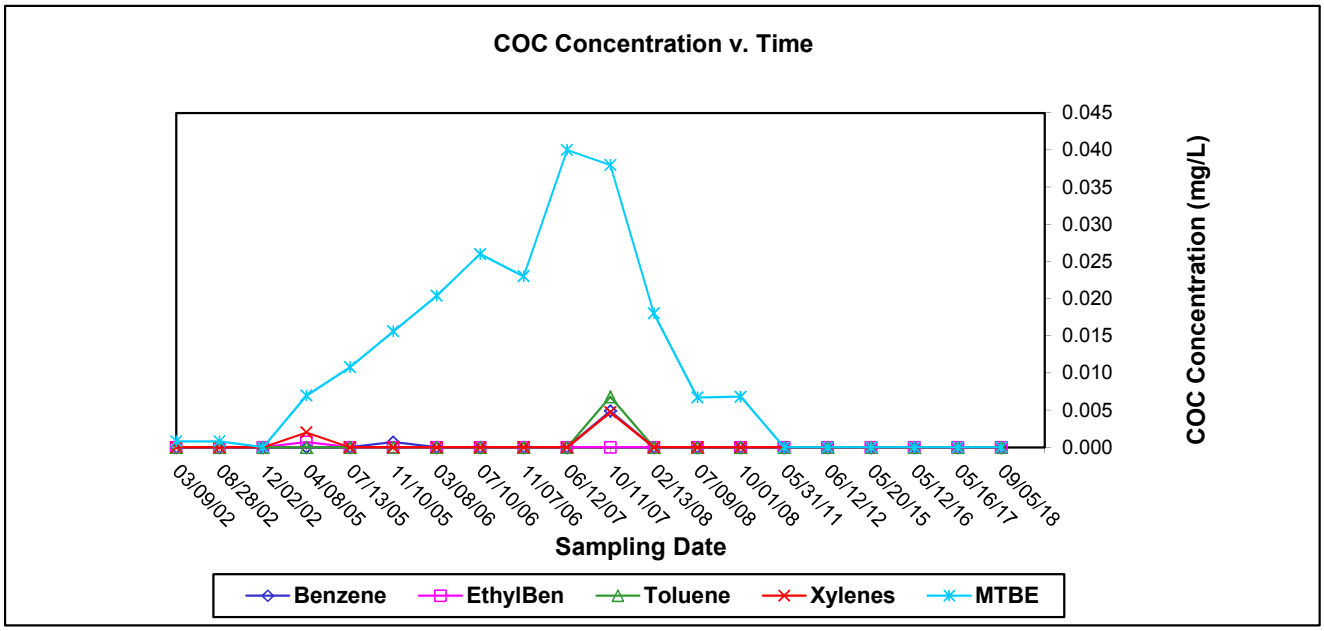
NATURAL ATTENUATION MONITORING REPORT

Facility Name:	Former Chevron Facility #45480	Year:	2018
Facility I. D. No.:	10950-045-005241	Period:	2
Incident No.:	UST93-05-33	Reporting Period:	09/11/18 - 01/11/19
Consulting Firm:	AECOM	Project Manager:	Mary Grace

Section 6 - Historical Monitoring Well Chemicals of Concern Data (mg/L)

Well ID MW-12

	Historical Chemicals of Concern Data									
DATE	Benzene	Toluene	EthylBen	Xylenes	MTBE	Naphth	B(a)P	Lead		
03/09/02	<0.0005	<0.0005	<0.0005	<0.001	**0.0008**			**0.0228**		
08/28/02	<0.0005	<0.0005	<0.0005	<0.001	**0.0008**			<0.003		
12/02/02	<0.0005	<0.0005	<0.0005	<0.001	<0.0005			**0.0081**		
04/08/05	<0.0005	<0.0005	**0.000724**	**0.002009**	**0.006960**					
07/13/05	<0.0005	<0.0005	<0.0005	<0.0015	**0.010800**					
11/10/05	**0.000715**	<0.0005	<0.0005	<0.0015	**0.0156**					
03/08/06	<0.0005	<0.0005	<0.0005	<0.0015	**0.0204**					
07/10/06	<0.001	<0.001	<0.001	<0.002	**0.026**					
11/07/06	<0.001	<0.001	<0.001	<0.002	**0.023**					
06/12/07	<0.001	<0.001	<0.001	<0.002	**0.040**					
10/11/07	**0.0049**	**0.0068**	<0.001	**0.0047**	**0.038**					
02/13/08	<0.001	<0.001	<0.001	<0.002	**0.018**					
07/09/08	<0.001	<0.001	<0.001	<0.002	**0.0067**					
10/01/08	<0.001	<0.001	<0.001	<0.002	**0.0068**					
05/31/11	<0.001	<0.001	<0.001	<0.002	<0.0010					
06/12/12	<0.001	<0.001	<0.001	<0.002	<0.0010					
05/20/15	<0.001	<0.001	<0.001	<0.005	<0.0010					
05/12/16	<0.0010	<0.0010	<0.0010	<0.0050	<0.0010	<0.0010				
05/16/17	<0.0010	<0.0010	<0.0010	<0.0020	<0.0010	<0.0010				
09/05/18	<0.0010	<0.0010	<0.0010	<0.0020	<0.0010	<0.0010				



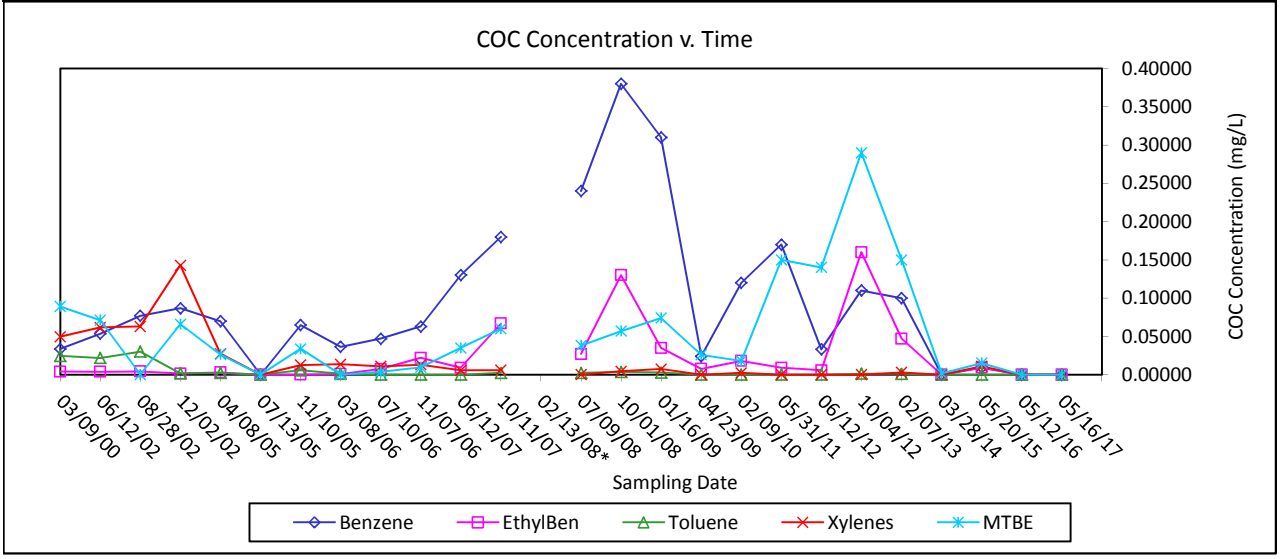
NATURAL ATTENUATION MONITORING REPORT

Facility Name:	Former Chevron Facility #45480	Year:	2018
Facility I. D. No.:	10950-045-005241	Period:	2
Incident No.:	UST93-05-33	Reporting Period:	09/11/18 - 01/11/19
Consulting Firm:	AECOM	Project Manager:	Mary Grace

Section 6 - Historical Monitoring Well Chemicals of Concern Data (mg/L)

Well ID MW-13

	Historical Chemicals of Concern Data									
DATE	Benzene	Toluene	EthylBen	Xylenes	MTBE	Naphth	B(a)P	Lead		
03/09/00	**0.03360**	**0.02460**	**0.00400**	**0.04960**	**0.08900**			<0.003		
06/12/02	**0.05350**	**0.02180**	**0.00380**	**0.06180**	**0.07110**			**0.00910**		
08/28/02	**0.07700**	**0.03020**	**0.00420**	**0.06300**	**0.00025**			**0.00390**		
12/02/02	**0.08690**	**0.00164**	**0.00143**	**0.14290**	**0.06590**			**0.00590**		
04/08/05	**0.06980**	**0.00209**	**0.00294**	**0.02748**	**0.02640**					
07/13/05	<0.0005	<0.0005	<0.0005	<0.0015	<0.0005					
11/10/05	**0.0649**	**0.00566**	<0.0005	**0.01250**	**0.0338**					
03/08/06	**0.0364**	**0.00117**	0.000942	**0.01364**	<0.0005					
07/10/06	**0.047**	<0.001	**0.0074**	**0.011**	**0.0037**					
11/07/06	**0.063**	<0.001	**0.022**	**0.013**	**0.0097**					
06/12/07	**0.13**	<0.001	**0.009**	**0.0057**	**0.035**					
10/11/07	**0.18**	**0.0024**	**0.067**	**0.0059**	**0.060**					
02/13/08*										
07/09/08	**0.24**	**0.0024**	**0.027**	<0.004	**0.038**					
10/01/08	**0.38**	**0.0037**	**0.13**	**0.0045**	**0.057**					
01/16/09	**0.31**	**0.0027**	**0.035**	**0.0073**	**0.074**					
04/23/09	**0.024**	<0.001	**0.0076**	<0.002	**0.026**					
02/09/10	**0.120**	<0.001	**0.0180**	**0.0023**	**0.018**					
05/31/11	**0.170**	<0.001	**0.0090**	<0.002	**0.15**					
06/12/12	**0.033**	<0.001	**0.0056**	<0.002	**0.14**					
10/04/12	**0.110**	**0.0012**	**0.1600**	<0.002	**0.29**					
02/07/13	**0.10**	**0.0011**	**0.047**	**0.0030**	**0.15**					
03/28/14	<0.0010	<0.0010	<0.0010	<0.0020	**0.0017**					
05/20/15	**0.0093**	<0.0010	**0.0093**	**0.011**	**0.015**	**0.0044**				
05/12/16	<0.0010	<0.0010	<0.0010	<0.0050	<0.0010	<0.0010				
05/16/17	<0.0010	<0.0010	<0.0010	<0.0020	<0.0010	<0.0010				



ATTACH SITE MAPS FOR THE THREE (3) MOST RECENT MONITORING EVENTS ILLUSTRATING THE DISTRIBUTION OF ALL GROUNDWATER COC DATA.

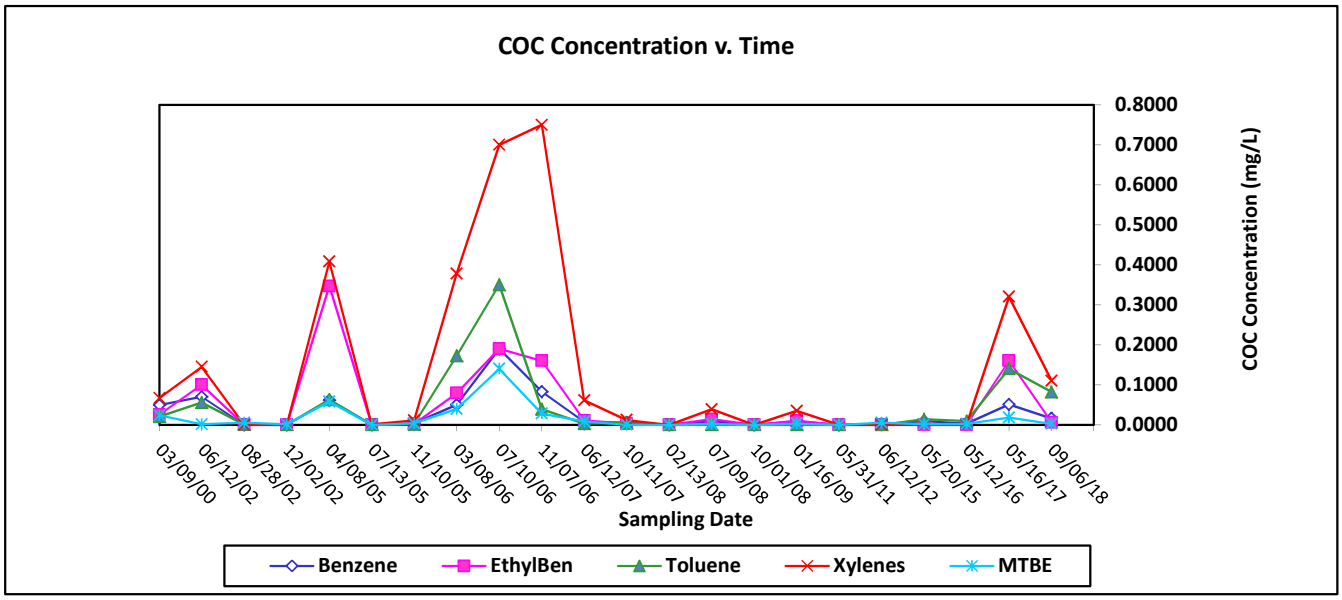
NATURAL ATTENUATION MONITORING REPORT

Facility Name:	Former Chevron Facility #45480	Year:	2018
Facility I. D. No.:	10950-045-005241	Period:	2
Incident No.:	UST93-05-33	Reporting Period:	09/11/18 - 01/11/19
Consulting Firm:	AECOM	Project Manager:	Mary Grace

Section 6 - Historical Monitoring Well Chemicals of Concern Data (mg/L)

Well ID MW-14

	Historical Chemicals of Concern Data									
DATE	Benzene	Toluene	EthylBen	Xylenes	MTBE	Naphth	B(a)P	Lead		
03/09/00	**0.0490**	**0.02540**	**0.02030**	**0.0670**	**0.02350**			**0.04520**		
06/12/02	**0.0702**	**0.10000**	**0.05560**	**0.1447**	**0.00090**			<0.003		
08/28/02	<0.0005	<0.0005	**0.00078**	<0.001	**0.00540**			**0.00410**		
12/02/02	<0.0005	<0.0005	<0.0005	<0.001	**0.00095**			<0.003		
04/08/05	**0.0614**	**0.347**	**0.0625**	**0.408**	**0.05770**					
07/13/05	0.000524	**0.000568**	<0.0005	**0.00144**	<0.0005					
11/10/05	**0.00353**	**0.00223**	**0.00139**	**0.01061**	**0.00338**					
03/08/06	**0.04990**	**0.0791**	**0.17200**	**0.378**	**0.0395**					
07/10/06	**0.19**	**0.19**	**0.35**	**0.70**	**0.14**					
11/07/06	**0.083**	**0.16**	**0.039**	**0.75**	**0.028**					
06/12/07	**0.0079**	**0.011**	**0.0026**	**0.061**	**0.0083**					
10/11/07	**0.0055**	**0.0027**	**0.0042**	**0.012**	<0.001					
02/13/08	<0.001	<0.001	<0.001	<0.002	<0.001					
07/09/08	**0.0096**	**0.014**	<0.001	**0.039**	**0.0017**					
10/01/08	<0.001	<0.001	<0.001	<0.002	<0.001					
01/16/09	**0.0086**	**0.010**	<0.001	**0.035**	**0.0032**					
05/31/11	<0.001	<0.001	<0.001	<0.002	<0.001					
06/12/12	**0.0014**	<0.001	<0.001	<0.002	**0.0050**					
05/20/15	**0.0090**	<0.001	**0.014**	<0.005	**0.0014**	**0.0046**				
05/12/16	**0.0027**	<0.0010	**0.0089**	<0.0050	**0.0018**	**0.0018**				
05/16/17	**0.0510**	**0.160**	**0.1400**	**0.320**	**0.0180**	**0.0340**				
09/06/18	**0.016**	**0.0060**	**0.082**	**0.110**	**0.0023**	**0.025**				



ATTACH SITE MAPS FOR THE THREE (3) MOST RECENT MONITORING EVENTS ILLUSTRATING THE DISTRIBUTION OF ALL GROUNDWATER COC DATA.

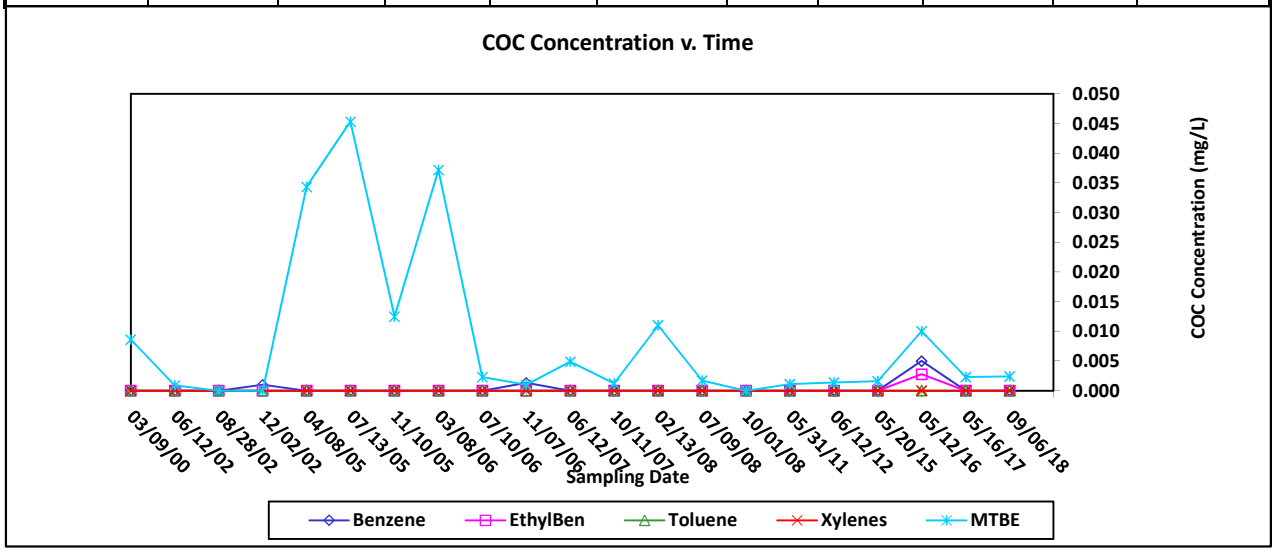
NATURAL ATTENUATION MONITORING REPORT

Facility Name:	Former Chevron Facility #45480	Year:	2018
Facility I. D. No.:	10950-045-005241	Period:	2
Incident No.:	UST93-05-33	Reporting Period:	09/11/18 - 01/11/19
Consulting Firm:	AECOM	Project Manager:	Mary Grace

Section 6 - Historical Monitoring Well Chemicals of Concern Data (mg/L)

Well ID MW-15

	Historical Chemicals of Concern Data									
DATE	Benzene	Toluene	EthylBen	Xylenes	MTBE	Naphth	B(a)P	Lead		
03/09/00	<0.0005	<0.0005	<0.0005	<0.001	**0.00860**			**0.01900**		
06/12/02	<0.0005	<0.0005	<0.0005	<0.001	**0.00090**			**0.00460**		
08/28/02	<0.0005	<0.0005	<0.0005	<0.001	<0.0005			**0.00430**		
12/02/02	**0.00098**	<0.0005	<0.0005	<0.001	<0.0005			**0.00310**		
04/08/05	<0.0005	<0.0005	<0.0005	<0.0015	**0.03430**					
07/13/05	<0.0005	<0.0005	<0.0005	<0.0015	**0.04530**					
11/10/05	<0.0005	<0.0005	<0.0005	<0.0015	**0.0125**					
03/08/06	<0.0005	<0.0005	<0.0005	<0.0015	**0.0372**					
07/10/06	<0.001	<0.001	<0.001	<0.002	**0.0023**					
11/07/06	**0.0013**	<0.001	<0.001	<0.002	**0.0010**					
06/12/07	<0.001	<0.001	<0.001	<0.002	**0.0049**					
10/11/07	<0.001	<0.001	<0.001	<0.002	**0.0012**					
02/13/08	<0.001	<0.001	<0.001	<0.002	**0.011**					
07/09/08	<0.001	<0.001	<0.001	<0.002	**0.0017**					
10/01/08	<0.001	<0.001	<0.001	<0.002	<0.001					
05/31/11	<0.001	<0.001	<0.001	<0.002	**0.0011**					
06/12/12	<0.001	<0.001	<0.001	<0.002	**0.0014**					
05/20/15	<0.001	<0.001	<0.001	<0.005	**0.0016**	<0.001				
05/12/16	**0.0050**	<0.0010	**0.0028**	<0.0050	**0.010**	<0.0010				
05/16/17	<0.001	<0.001	<0.001	<0.0020	**0.0023**	<0.001				
09/06/18	<0.0010	<0.0010	<0.0010	<0.0020	**0.0024**	<0.0010				



ATTACH SITE MAPS FOR THE THREE (3) MOST RECENT MONITORING EVENTS ILLUSTRATING THE DISTRIBUTION OF ALL GROUNDWATER COC DATA.

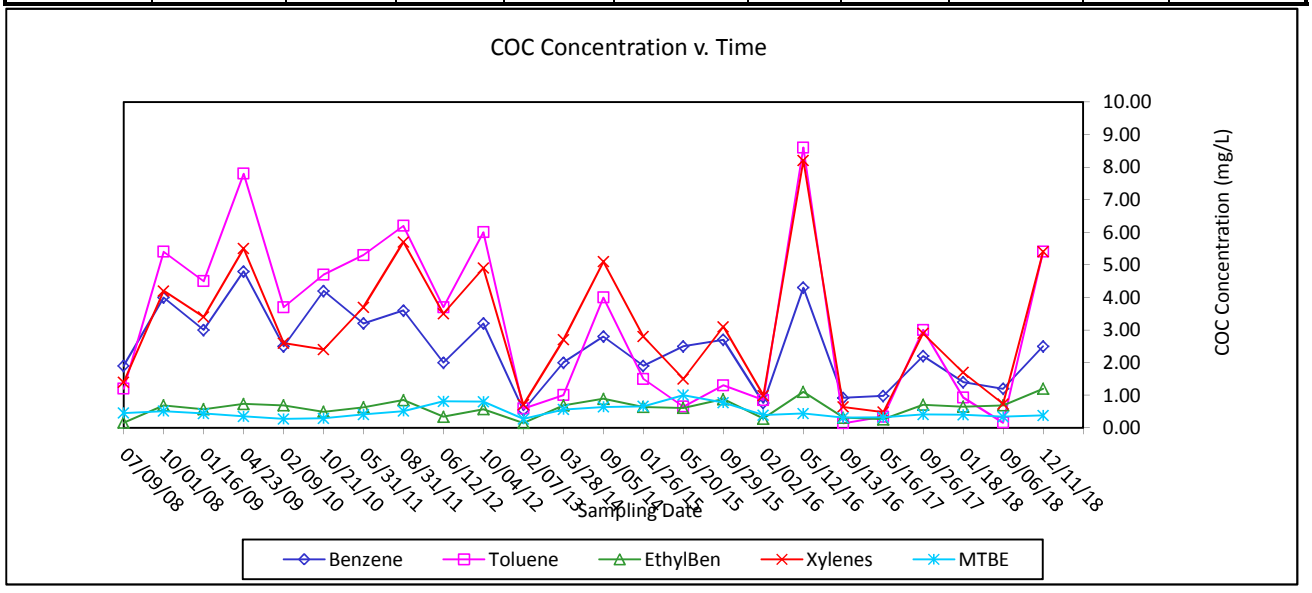
NATURAL ATTENUATION MONITORING REPORT

Facility Name:	Former Chevron Facility #45480	Year:	2018
Facility I. D. No.:	10950-045-005241	Period:	2
Incident No.:	UST93-05-33	Reporting Period:	09/11/18 - 01/11/19
Consulting Firm:	Stantec Consulting Services Inc.	Project Manager:	Mary Grace

Section 6 - Historical Monitoring Well Chemicals of Concern Data (mg/L)

Well ID RW-1

	Historical Chemicals of Concern Data									
DATE	Benzene	Toluene	EthylBen	Xylenes	MTBE	Naphth	B(a)P	Lead		
07/09/08	**1.90**	**1.20**	**0.16**	**1.4**	**0.45**					
10/01/08	**4.00**	**5.40**	**0.69**	**4.2**	**0.51**					
01/16/09	**3.00**	**4.50**	**0.57**	**3.4**	**0.44**					
04/23/09	**4.80**	**7.80**	**0.73**	**5.5**	**0.35**					
02/09/10	**2.50**	**3.70**	**0.69**	**2.6**	**0.27**					
10/21/10	**4.20**	**4.70**	**0.49**	**2.40**	**0.29**					
05/31/11	**3.20**	**5.30**	**0.63**	**3.70**	**0.41**					
08/31/11	**3.60**	**6.20**	**0.85**	**5.70**	**0.51**					
06/12/12	**2.00**	**3.70**	**0.34**	**3.50**	**0.81**					
10/04/12	**3.20**	**6.00**	**0.57**	**4.90**	**0.80**					
02/07/13	**0.54**	**0.59**	**0.15**	**0.71**	**0.27**					
03/28/14	**2.0**	**1.0**	**0.69**	**2.7**	**0.56**					
09/05/14	**2.8**	**4.0**	**0.89**	**5.1**	**0.64**	**0.35**				
01/26/15	**1.9**	**1.5**	**0.64**	**2.8**	**0.66**	**0.26**				
05/20/15	**2.5**	**0.65**	**0.61**	**1.5**	**1.00**	**0.21**				
09/29/15	**2.7**	**1.3**	**0.88**	**3.1**	**0.77**	**0.33**				
02/02/16	**0.76**	**0.85**	**0.28**	**0.99**	**0.39**	**0.16**				
05/12/16	**4.3**	**8.6**	**1.1**	**8.2**	**0.44**	**0.72**				
09/13/16	**0.92**	**0.14**	**0.31**	**0.64**	**0.31**	**0.15**				
05/16/17	**0.98**	**0.34**	**0.26**	**0.48**	**0.32**	**0.10**				
09/26/17	**2.2**	**3.0**	**0.71**	**2.9**	**0.41**	**0.30**				
01/18/18	**1.4**	**0.93**	**0.65**	**1.7**	**0.40**	**0.29**				
09/06/18	**1.2**	**0.16**	**0.69**	**0.7**	**0.34**	**0.24**				
12/11/18	**2.5**	**5.4**	**1.2**	**5.4**	**0.38**	**0.46**				



ATTACH SITE MAPS FOR THE THREE (3) MOST RECENT MONITORING EVENTS ILLUSTRATING THE DISTRIBUTION OF ALL GROUNDWATER COC DATA.

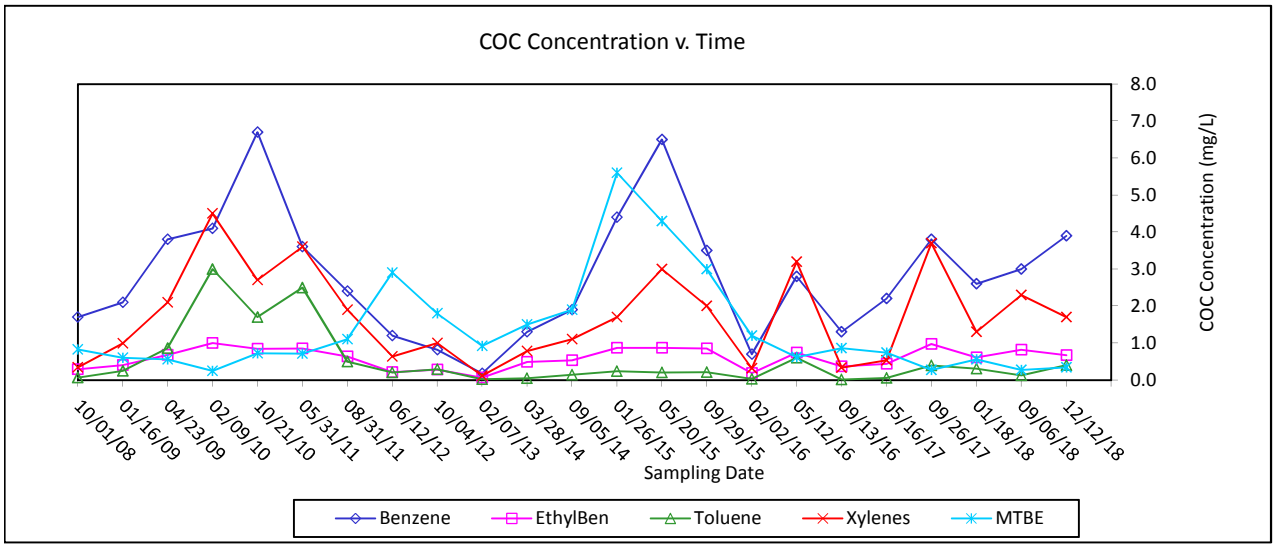
NATURAL ATTENUATION MONITORING REPORT

Facility Name:	Former Chevron Facility #45480	Year:	2018
Facility I. D. No.:	10950-045-005241	Period:	2
Incident No.:	UST93-05-33	Reporting Period:	09/11/18 - 01/11/19
Consulting Firm:	AECOM	Project Manager:	Mary Grace

Section 6 - Historical Monitoring Well Chemicals of Concern Data (mg/L)

Well ID RW-2

	Historical Chemicals of Concern Data									
DATE	Benzene	Toluene	EthylBen	Xylenes	MTBE	Naphth	B(a)P	Lead		
10/01/08	**1.7**	**0.068**	**0.29**	**0.34**	**0.83**					
01/16/09	**2.1**	**0.25**	**0.40**	**0.99**	**0.60**					
04/23/09	**3.8**	**0.86**	**0.68**	**2.1**	**0.56**					
02/09/10	**4.1**	**3.0**	**1.0**	**4.5**	**0.25**					
10/21/10	**6.7**	**1.7**	**0.84**	**2.7**	**0.72**					
05/31/11	**3.6**	**2.5**	**0.85**	**3.6**	**0.71**					
08/31/11	**2.4**	**0.5**	**0.64**	**1.9**	**1.10**					
06/12/12	**1.2**	**0.2**	**0.21**	**0.64**	**2.90**					
10/04/12	**0.82**	**0.29**	**0.28**	**1.00**	**1.80**					
02/07/13	**0.18**	**0.021**	**0.063**	**0.12**	**0.92**					
03/28/14	**1.30**	**0.050**	**0.490**	**0.78**	**1.50**					
09/05/14	**1.9**	**0.14**	**0.53**	**1.1**	**1.9**	**0.22**				
01/26/15	**4.4**	**0.24**	**0.87**	**1.7**	**5.6**	**0.54**				
05/20/15	**6.5**	**0.20**	**0.87**	**3.0**	**4.3**	**0.44**				
09/29/15	**3.5**	**0.21**	**0.85**	**2.0**	**3.0**	**0.49**				
02/02/16	**0.70**	**0.030**	**0.19**	**0.32**	**1.2**	**0.12**				
05/12/16	**2.8**	**0.60**	**0.74**	**3.2**	**0.62**	**0.32**				
09/13/16	**1.3**	**0.017**	**0.37**	**0.33**	**0.86**	**0.26**				
05/16/17	**2.2**	**0.057**	**0.44**	**0.53**	**0.74**	**0.24**				
09/26/17	**3.8**	**0.39**	**0.97**	**3.7**	**0.27**	**0.53**				
01/18/18	**2.6**	**0.31**	**0.61**	**1.3**	**0.56**	**0.42**				
09/06/18	**3.0**	**0.13**	**0.82**	**2.3**	**0.27**	**0.48**				
12/12/18	**3.9**	**0.40**	**0.67**	**1.7**	**0.34**	**0.29**				



NATURAL ATTENUATION MONITORING REPORT

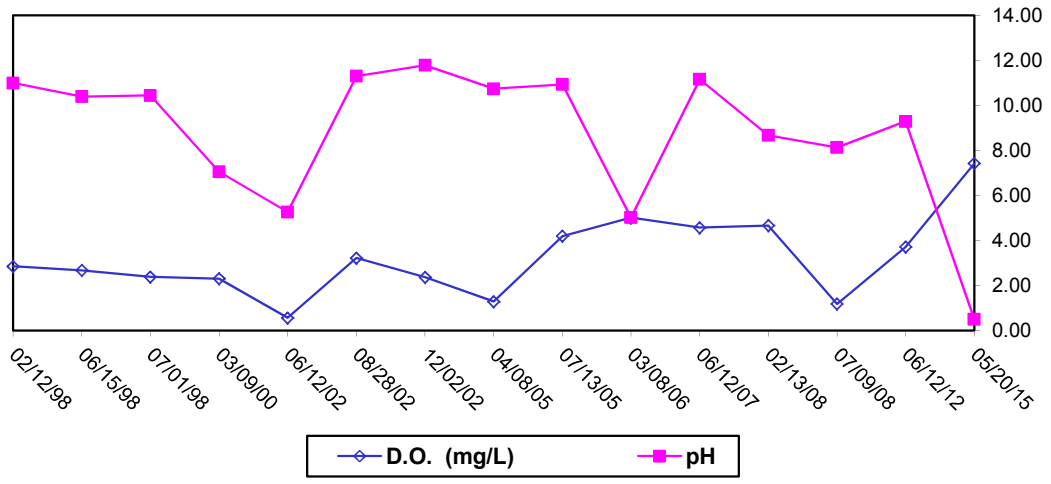
Facility Name:	Former Chevron Facility #45480	Year:	2018
Facility I. D. No.:	10950-045-005241	Period:	2
Incident No.:	UST93-05-33	Reporting Period:	09/11/18 - 01/11/19
Consulting Firm:	AECOM	Project Manager:	Mary Grace

Section 7 - Historical Monitoring Well Intrinsic Groundwater Data

Well ID MW-5D

Historical Intrinsic Groundwater Data

DATE	D.O. (mg/L)	pH	ORP (mv)	Temp (0C)	Nitrate (mg/L)	Fe+2 (mg/L)	Sulfate (mg/L)	Methane		
02/12/98	2.86	11.00	-35.00	20.40						
06/15/98	2.68	10.40	42.00	21.70						
07/01/98	2.39	10.45	40.10	24.20						
03/09/00	2.31	7.06	0.25	21.40						
06/12/02	0.57	5.27	205.30	23.10						
08/28/02	3.23	11.31	23.40	24.40						
12/02/02	2.38	11.79	-90.30	20.20						
04/08/05	1.30	10.75	-20.30	22.63						
07/13/05	4.20	10.94	55.00	22.66						
03/08/06	5.02	5.03	-130.60	23.10						
06/12/07	4.58	11.17	-43.9	22.86						
02/13/08	4.67	8.68	-153.2	21.42						
07/09/08	1.19	8.14	-186.9	23.73						
06/12/12	3.72	9.30	23.80	24.01						
05/20/15	7.43	0.51	34.2	28.10						



ATTACH SITE MAPS FOR THE THREE (3) MOST RECENT MONITORING EVENTS ILLUSTRATING THE DISTRIBUTION OF ALL GROUNDWATER COC DATA.

NATURAL ATTENUATION MONITORING REPORT

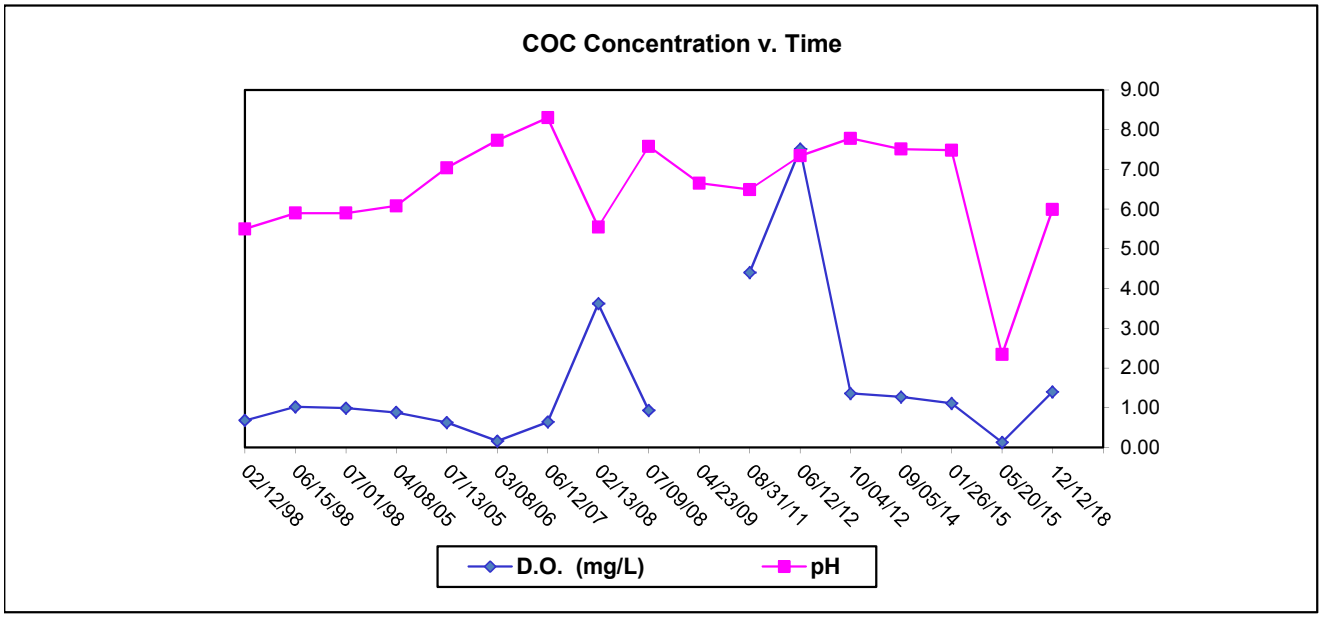
Facility Name:	Former Chevron Facility #45480	Year:	2018
Facility I. D. No.:	10950-045-005241	Period:	2
Incident No.:	UST93-05-33	Reporting Period:	09/11/18 - 01/11/19
Consulting Firm:	AECOM	Project Manager:	Mary Grace

Section 7 - Historical Monitoring Well Intrinsic Groundwater Data

Well ID MW-6

Historical Intrinsic Groundwater Data

DATE	D.O. (mg/L)	pH	ORP (mv)	Temp (0C)	Nitrate (mg/L)	Fe+2 (mg/L)	Sulfate (mg/L)	Methane		
02/12/98	0.68	5.50	-80.00	22.50						
06/15/98	1.02	5.90	46.70	24.50						
07/01/98	0.99	5.90	38.60	24.00						
04/08/05	0.88	6.08	-76.00	22.83						
07/13/05	0.63	7.04	-86.60	23.14						
03/08/06	0.16	7.73	-274.20	23.75						
06/12/07	0.64	8.30	-190.4	23.47						
02/13/08	3.62	5.55	72.5	23.25						
07/09/08	0.93	7.58	150.1	23.93						
04/23/09		6.65	-65.1	23.49						
08/31/11	4.40	6.49	-61.9	25.55						
06/12/12	7.51	7.34	-32.5	25.49						
10/04/12	1.36	7.78	-16.8	27.78						
09/05/14	1.27	7.51	-58.8	26.02						
01/26/15	1.11	7.48	-50.5	23.02						
05/20/15	0.13	2.34	81.8	24.51						
12/12/18	1.40	5.99	-6.0	21.80						



ATTACH SITE MAPS FOR THE THREE (3) MOST RECENT MONITORING EVENTS ILLUSTRATING THE DISTRIBUTION OF ALL GROUNDWATER COC DATA.

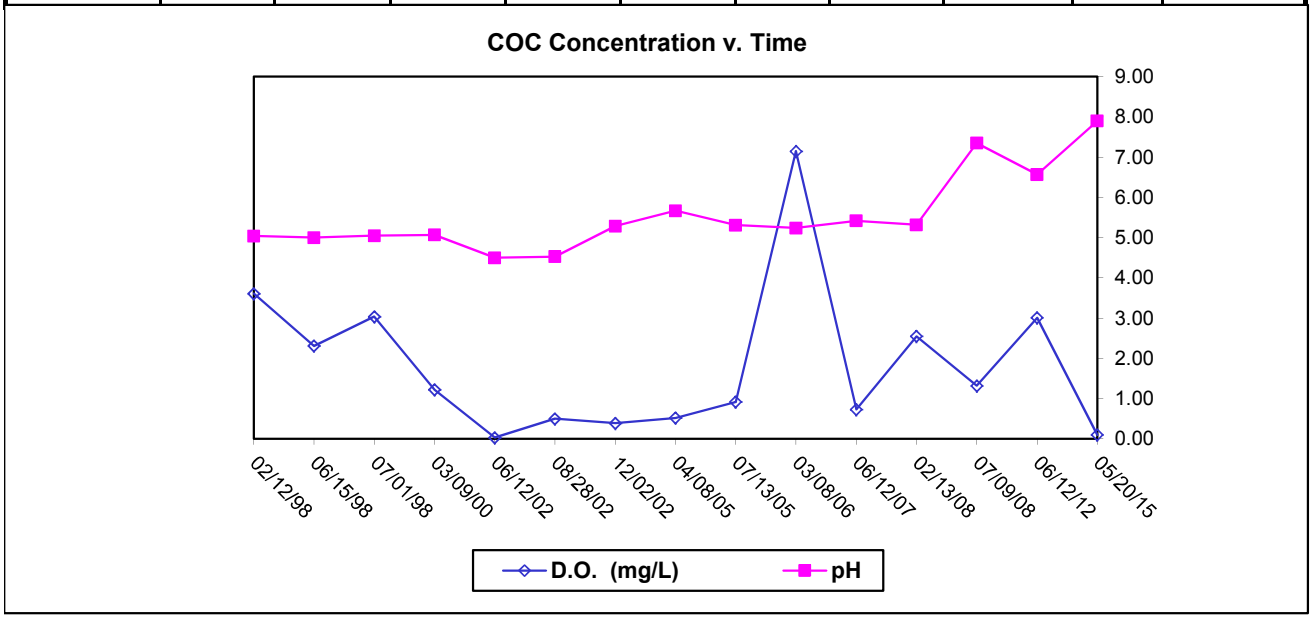
NATURAL ATTENUATION MONITORING REPORT

Facility Name:	Former Chevron Facility #45480	Year:	2018
Facility I. D. No.:	10950-045-005241	Period:	2
Incident No.:	UST93-05-33	Reporting Period:	09/11/18 - 01/11/19
Consulting Firm:	AECOM	Project Manager:	Mary Grace

Section 7 - Historical Monitoring Well Intrinsic Groundwater Data

Well ID MW-7

	Historical Intrinsic Groundwater Data									
DATE	D.O. (mg/L)	pH	ORP (mv)	Temp (0C)	Nitrate (mg/L)	Fe+2 (mg/L)	Sulfate (mg/L)	Methane		
02/12/98	3.61	5.04	145.00	21.60						
06/15/98	2.31	5.00	336.70	22.20						
07/01/98	3.04	5.05	50.30	21.50						
03/09/00	1.22	5.07	22.50	22.10						
06/12/02	0.03	4.50	227.90	21.40						
08/28/02	0.50	4.53	206.20	23.30						
12/02/02	0.39	5.29	203.10	22.20						
04/08/05	0.52	5.67	62.40	21.04						
07/13/05	0.92	5.31	85.10	21.12						
03/08/06	7.15	5.24	-76.20	21.27						
06/12/07	0.73	5.42	154.8	20.07						
02/13/08	2.55	5.32	157.5	21.28						
07/09/08	1.32	7.35	-15.5	21.07						
06/12/12	3.01	6.57	155.5	22.27						
05/20/15	0.10	7.90	-4.6	22.18						



ATTACH SITE MAPS FOR THE THREE (3) MOST RECENT MONITORING EVENTS ILLUSTRATING THE DISTRIBUTION OF ALL GROUNDWATER COC DATA.

NATURAL ATTENUATION MONITORING REPORT

Facility Name:	Former Chevron Facility #45480	Year:	2018
Facility I. D. No.:	10950-045-005241	Period:	2
Incident No.:	UST93-05-33	Reporting Period:	09/11/18 - 01/11/19
Consulting Firm:	AECOM	Project Manager:	Mary Grace

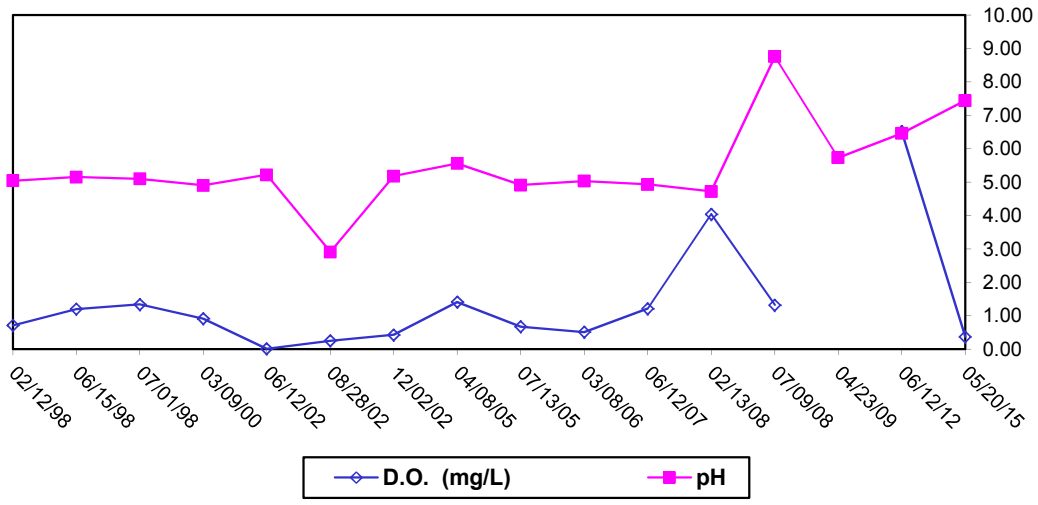
Section 7 - Historical Monitoring Well Intrinsic Groundwater Data

Well ID MW-8

Historical Intrinsic Groundwater Data

DATE	D.O. (mg/L)	pH	ORP (mv)	Temp (0C)	Nitrate (mg/L)	Fe+2 (mg/L)	Sulfate (mg/L)	Methane		
02/12/98	0.71	5.04	-125.00	22.50						
06/15/98	1.20	5.15	253.30	22.70						
07/01/98	1.34	5.10	262.30	21.30						
03/09/00	0.91	4.90	213.00	23.50						
06/12/02	0.01	5.22	79.20	24.20						
08/28/02	0.25	2.91	262.50	23.10						
12/02/02	0.43	5.18	216.10	22.50						
04/08/05	1.41	5.56	99.60	21.60						
07/13/05	0.67	4.91	148.50	21.70						
03/08/06	0.51	5.03	-232.40	22.20						
06/12/07	1.21	4.93	164.1	21.88						
02/13/08	4.04	4.72	106.9	21.82						
07/09/08	1.32	8.76	-27.3	23.11						
04/23/09		5.73	56.3	22.57						
06/12/12	6.52	6.46	169.30	23.34						
05/20/15	0.37	7.44	54.7	23.42						

COC Concentration v. Time



ATTACH SITE MAPS FOR THE THREE (3) MOST RECENT MONITORING EVENTS ILLUSTRATING THE DISTRIBUTION OF ALL GROUNDWATER COC DATA.

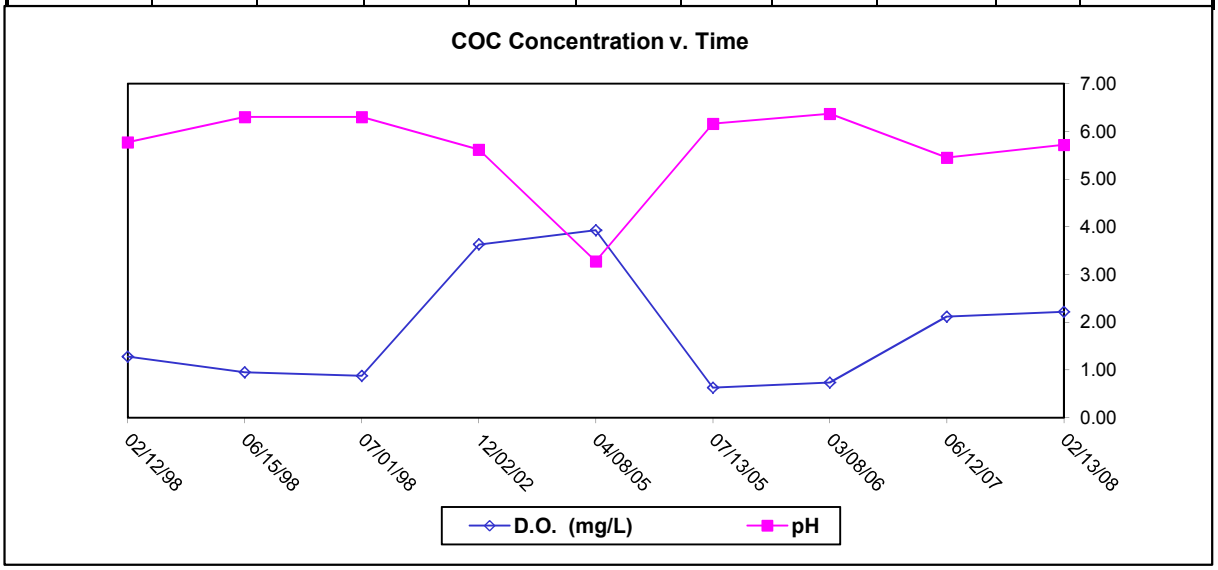
NATURAL ATTENUATION MONITORING REPORT

Facility Name:	Former Chevron Facility #45480	Year:	2018
Facility I. D. No.:	10950-045-005241	Period:	2
Incident No.:	UST93-05-33	Reporting Period:	09/11/18 - 01/11/19
Consulting Firm:	AECOM	Project Manager:	Mary Grace

Section 7 - Historical Monitoring Well Intrinsic Groundwater Data

Well ID MW-10

	Historical Intrinsic Groundwater Data									
DATE	D.O. (mg/L)	pH	ORP (mv)	Temp (0C)	Nitrate (mg/L)	Fe+2 (mg/L)	Sulfate (mg/L)	Methane		
02/12/98	1.28	5.77	15.00	21.30						
06/15/98	0.95	6.30	31.50	23.80						
07/01/98	0.88	6.30	29.60	23.70						
12/02/02	3.63	5.62	145.10	20.80						
04/08/05	3.93	3.28	92.90	21.24						
07/13/05	0.63	6.16	-41.80	21.19						
03/08/06	0.74	6.37	-54.20	21.86						
06/12/07	2.12	5.45	45.3	21.38						
02/13/08	2.22	5.72	94.2	21.21						



ATTACH SITE MAPS FOR THE THREE (3) MOST RECENT MONITORING EVENTS ILLUSTRATING THE DISTRIBUTION OF ALL GROUNDWATER COC DATA.

GROUNDWATER COC DATA

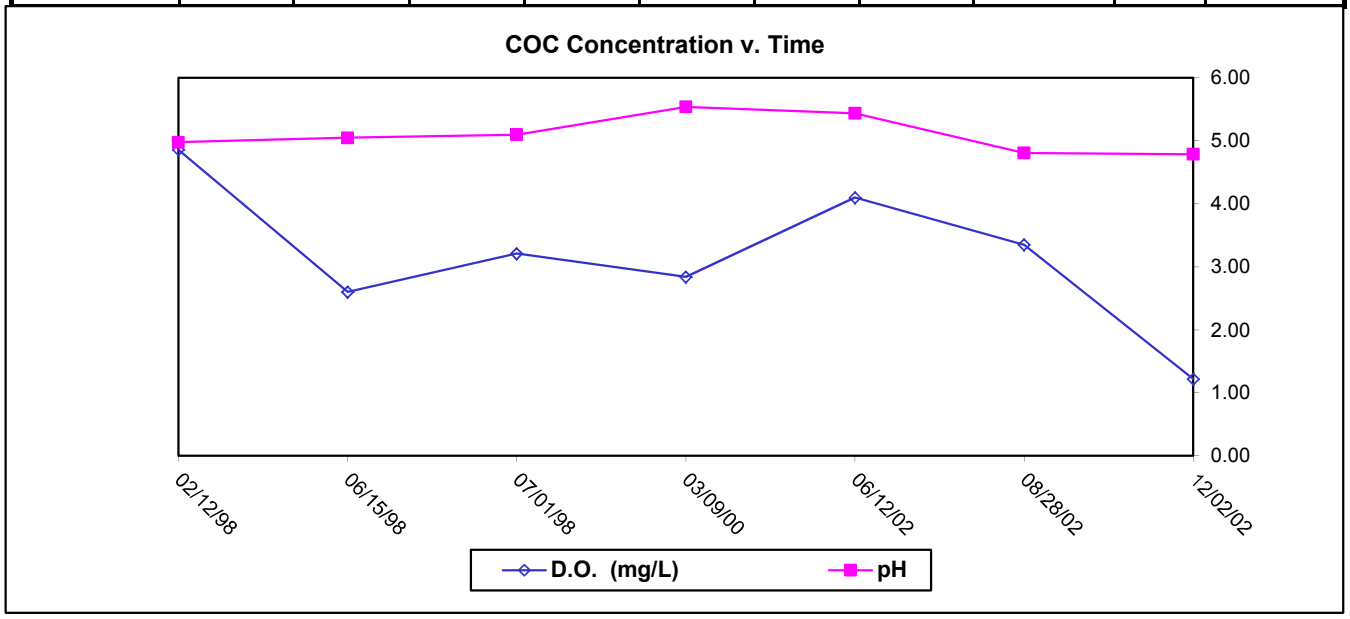
NATURAL ATTENUATION MONITORING REPORT

Facility Name:	Former Chevron Facility #45480	Year:	2018
Facility I. D. No.:	10950-045-005241	Period:	2
Incident No.:	UST93-05-33	Reporting Period:	09/11/18 - 01/11/19
Consulting Firm:	AECOM	Project Manager:	Mary Grace

Section 7 - Historical Monitoring Well Intrinsic Groundwater Data

Well ID MW-11

	Historical Intrinsic Groundwater Data									
DATE	D.O. (mg/L)	pH	ORP (mv)	Temp (0C)	Nitrate (mg/L)	Fe+2 (mg/L)	Sulfate (mg/L)	Methane		
02/12/98	4.86	4.98	205.00	24.90						
06/15/98	2.60	5.05	367.00	24.90						
07/01/98	3.21	5.10	358.20	24.60						
03/09/00	2.84	5.54	230.00	23.20						
06/12/02	4.10	5.44	210.00	24.50						
08/28/02	3.35	4.81	321.40	24.70						
12/02/02	1.22	4.79	-0.20	24.40						



ATTACH SITE MAPS FOR THE THREE (3) MOST RECENT MONITORING EVENTS ILLUSTRATING THE DISTRIBUTION OF ALL GROUNDWATER COC DATA.

NATURAL ATTENUATION MONITORING REPORT

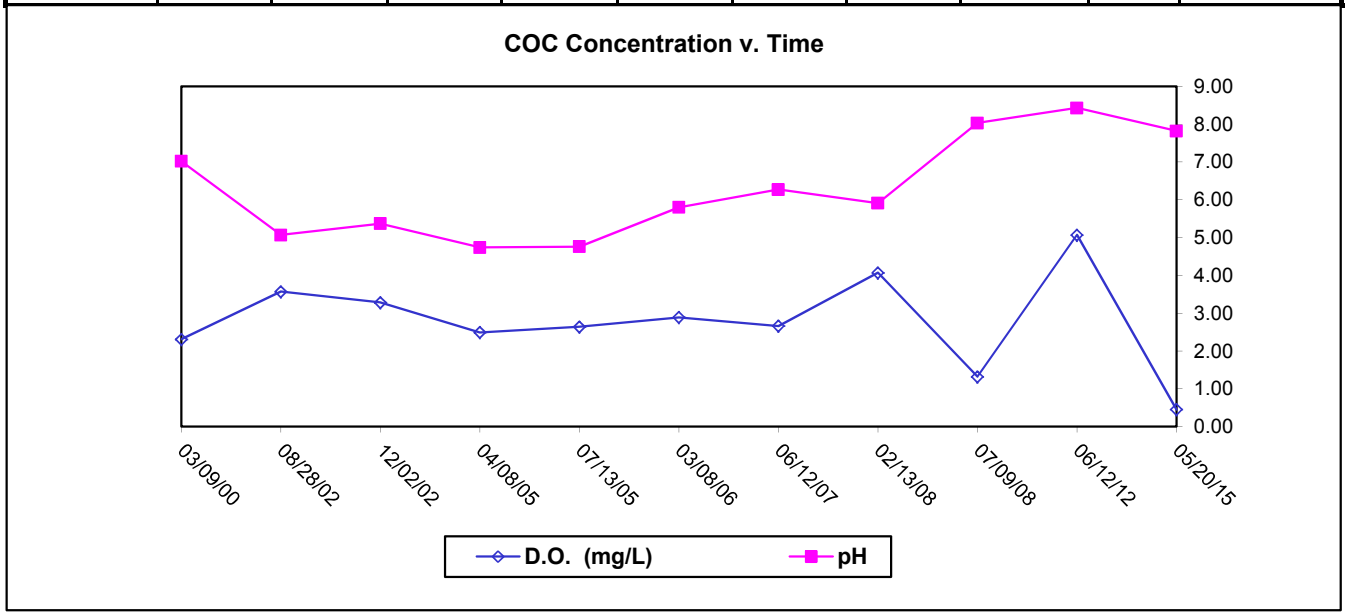
Facility Name:	Former Chevron Facility #45480	Year:	2018
Facility I. D. No.:	10950-045-005241	Period:	2
Incident No.:	UST93-05-33	Reporting Period:	09/11/18 - 01/11/19
Consulting Firm:	AECOM	Project Manager:	Mary Grace

Section 7 - Historical Monitoring Well Intrinsic Groundwater Data

Well ID MW-12

Historical Intrinsic Groundwater Data

DATE	D.O. (mg/L)	pH	ORP (mv)	Temp (0C)	Nitrate (mg/L)	Fe+2 (mg/L)	Sulfate (mg/L)	Methane		
03/09/00	2.31	7.02	186.00	22.90						
08/28/02	3.57	5.07	279.20	26.20						
12/02/02	3.28	5.37	-313.70	21.90						
04/08/05	2.49	4.74	143.20	23.31						
07/13/05	2.64	4.76	75.20	24.33						
03/08/06	2.89	5.80	-52.40	24.27						
06/12/07	2.66	6.27	199.7	24.25						
02/13/08	4.07	5.91	272.0	24.76						
07/09/08	1.32	8.03	-25.3	22.07						
06/12/12	5.07	8.43	146.9	25.99						
05/20/15	0.45	7.82	-30.9	24.82						



ATTACH SITE MAPS FOR THE THREE (3) MOST RECENT MONITORING EVENTS ILLUSTRATING THE DISTRIBUTION OF ALL GROUNDWATER COC DATA.

NATURAL ATTENUATION MONITORING REPORT

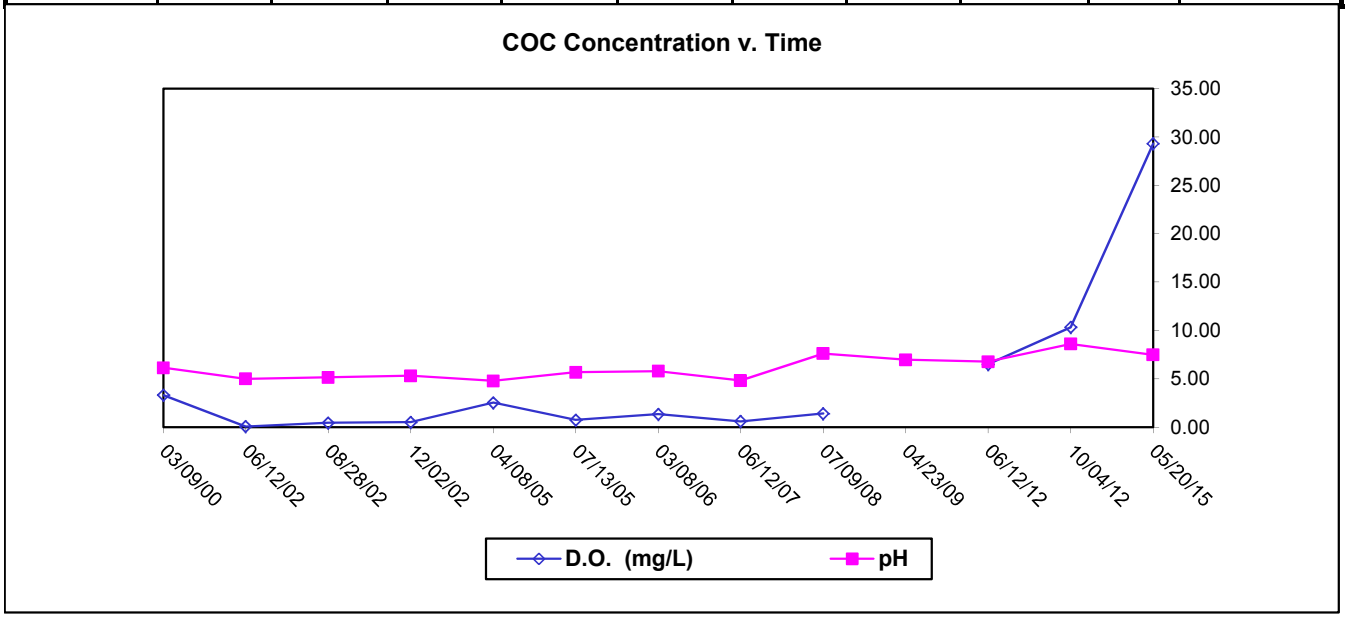
Facility Name:	Former Chevron Facility #45480	Year:	2018
Facility I. D. No.:	10950-045-005241	Period:	2
Incident No.:	UST93-05-33	Reporting Period:	09/11/18 - 01/11/19
Consulting Firm:	AECOM	Project Manager:	Mary Grace

Section 7 - Historical Monitoring Well Intrinsic Groundwater Data

Well ID MW-13

Historical Intrinsic Groundwater Data

DATE	D.O. (mg/L)	pH	ORP (mv)	Temp (0C)	Nitrate (mg/L)	Fe+2 (mg/L)	Sulfate (mg/L)	Methane		
03/09/00	3.31	6.15	167.00	21.50						
06/12/02	0.08	5.00	82.90	23.20						
08/28/02	0.45	5.15	31.00	23.10						
12/02/02	0.52	5.31	164.60	21.90						
04/08/05	2.54	4.79	44.00	21.59						
07/13/05	0.76	5.68	91.50	21.59						
03/08/06	1.35	5.79	-174.60	22.12						
06/12/07	0.60	4.81	155.2	21.38						
07/09/08	1.41	7.62	10.3	21.68						
04/23/09		6.96	31.3	21.36						
06/12/12	6.50	6.78	164.5	24.44						
10/04/12	10.33	8.60	-66.10	24.59						
05/20/15	29.30	7.48	-24.20	23.07						



ATTACH SITE MAPS FOR THE THREE (3) MOST RECENT MONITORING EVENTS ILLUSTRATING THE DISTRIBUTION OF ALL GROUNDWATER COC DATA.

NATURAL ATTENUATION MONITORING REPORT

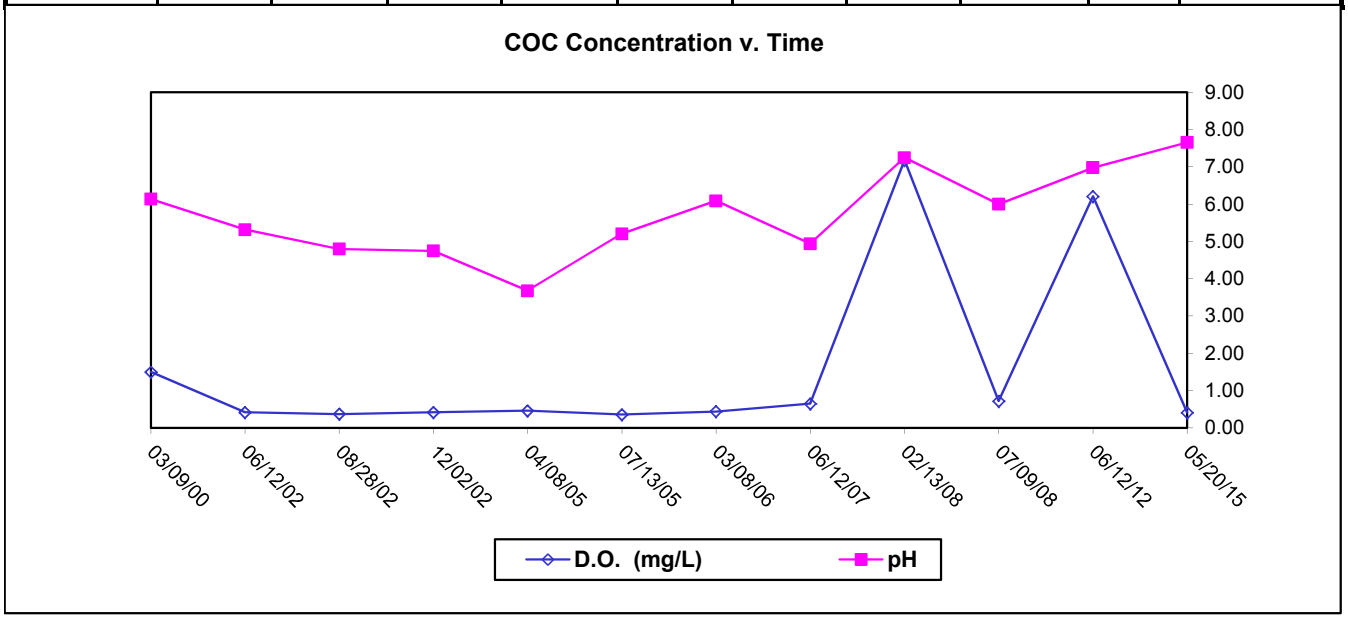
Facility Name:	Former Chevron Facility #45480	Year:	2018
Facility I. D. No.:	10950-045-005241	Period:	2
Incident No.:	UST93-05-33	Reporting Period:	09/11/18 - 01/11/19
Consulting Firm:	AECOM	Project Manager:	Mary Grace

Section 7 - Historical Monitoring Well Intrinsic Groundwater Data

Well ID MW-14

Historical Intrinsic Groundwater Data

DATE	D.O. (mg/L)	pH	ORP (mv)	Temp (0C)	Nitrate (mg/L)	Fe+2 (mg/L)	Sulfate (mg/L)	Methane		
03/09/00	1.50	6.14	183.00	21.70						
06/12/02	0.42	5.32	201.30	22.90						
08/28/02	0.37	4.80	199.80	24.90						
12/02/02	0.42	4.75	246.80	24.90						
04/08/05	0.46	3.68	107.70	21.54						
07/13/05	0.36	5.21	112.40	23.32						
03/08/06	0.44	6.09	-91.70	23.93						
06/12/07	0.65	4.94	260.7	23.43						
02/13/08	7.18	7.25	150.2	24.13						
07/09/08	0.72	6.00	141.2	23.69						
06/12/12	6.21	6.98	121.10	24.50						
05/20/15	0.41	7.66	58.9	24.29						



ATTACH SITE MAPS FOR THE THREE (3) MOST RECENT MONITORING EVENTS ILLUSTRATING THE DISTRIBUTION OF ALL GROUNDWATER COC DATA.

NATURAL ATTENUATION MONITORING REPORT

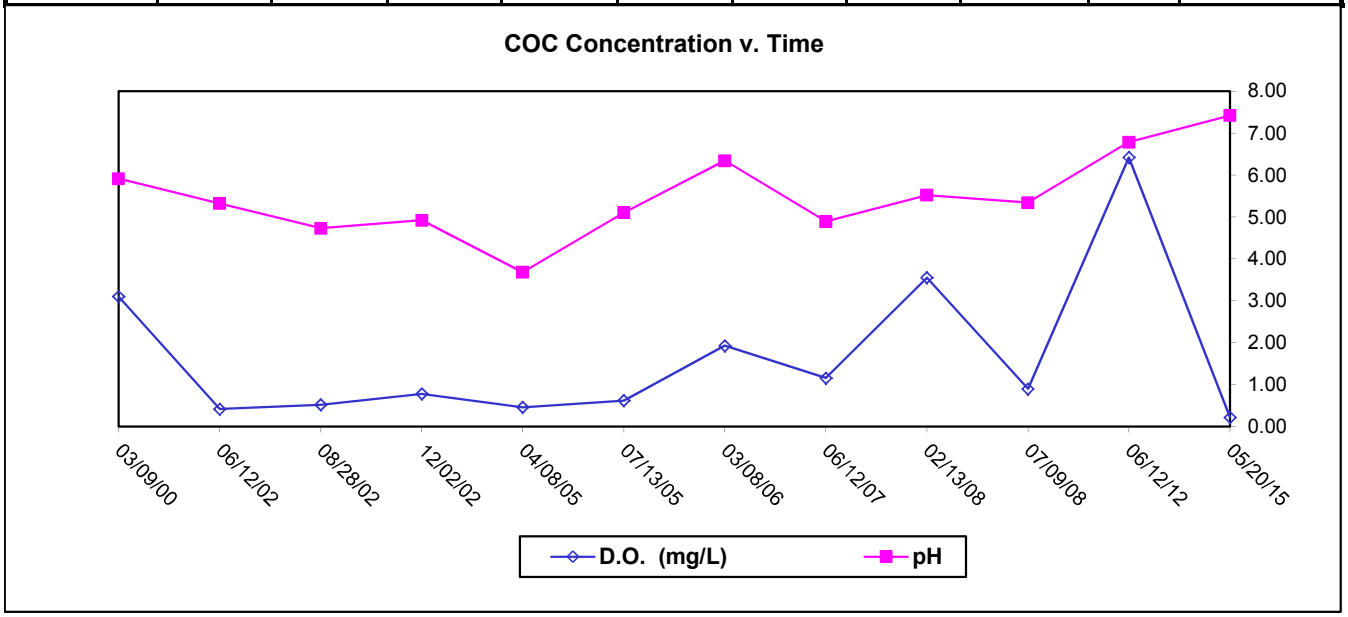
Facility Name:	Former Chevron Facility #45480	Year:	2018
Facility I. D. No.:	10950-045-005241	Period:	2
Incident No.:	UST93-05-33	Reporting Period:	09/11/18 - 01/11/19
Consulting Firm:	AECOM	Project Manager:	Mary Grace

Section 7 - Historical Monitoring Well Intrinsic Groundwater Data

Well ID MW-15

Historical Intrinsic Groundwater Data

DATE	D.O. (mg/L)	pH	ORP (mv)	Temp (0C)	Nitrate (mg/L)	Fe+2 (mg/L)	Sulfate (mg/L)	Methane		
03/09/00	3.10	5.91	177.00	21.20						
06/12/02	0.42	5.32	201.30	22.90						
08/28/02	0.52	4.73	251.60	21.70						
12/02/02	0.78	4.92	248.60	21.60						
04/08/05	0.46	3.68	107.70	21.54						
07/13/05	0.62	5.10	-51.30	21.34						
03/08/06	1.93	6.34	-195.70	22.20						
06/12/07	1.16	4.89	199.8	21.92						
02/13/08	3.55	5.52	147.8	20.82						
07/09/08	0.90	5.34	105.0	22.15						
06/12/12	6.42	6.78	163.20	24.24						
05/20/15	0.22	7.42	21.1	29.20						



ATTACH SITE MAPS FOR THE THREE (3) MOST RECENT MONITORING EVENTS ILLUSTRATING THE DISTRIBUTION OF ALL GROUNDWATER COC DATA.

NATURAL ATTENUATION MONITORING REPORT

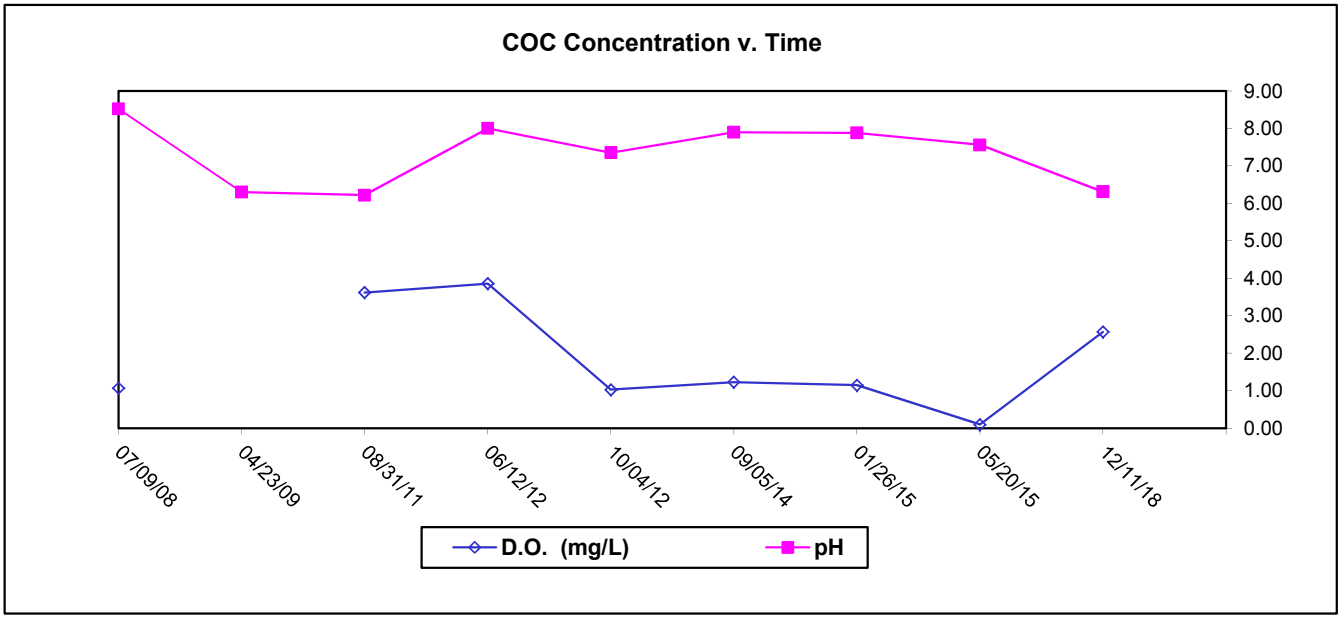
Facility Name:	Former Chevron Facility #45480	Year:	2018
Facility I. D. No.:	10950-045-005241	Period:	2
Incident No.:	UST93-05-33	Reporting Period:	09/11/18 - 01/11/19
Consulting Firm:	AECOM	Project Manager:	Mary Grace

Section 7 - Historical Monitoring Well Intrinsic Groundwater Data

Well ID RW-1

Historical Intrinsic Groundwater Data

DATE	D.O. (mg/L)	pH	ORP (mv)	Temp (0C)	Nitrate (mg/L)	Fe+2 (mg/L)	Sulfate (mg/L)	Methane		
07/09/08	1.07	8.52	58.5	23.55						
04/23/09		6.30	-54.0	23.23						
08/31/11	3.62	6.22	-57.9	24.38						
06/12/12	3.86	8.00	-200.10	24.53						
10/04/12	1.03	7.35	-37.30	25.48						
09/05/14	1.23	7.90	-91.00	25.47						
01/26/15	1.15	7.88	-88.70	21.20						
05/20/15	0.10	7.56	-87.9	24.99						
12/11/18	2.57	6.31	-172	22.18						



ATTACH SITE MAPS FOR THE THREE (3) MOST RECENT MONITORING EVENTS ILLUSTRATING THE DISTRIBUTION OF ALL GROUNDWATER COC DATA.

NATURAL ATTENUATION MONITORING REPORT

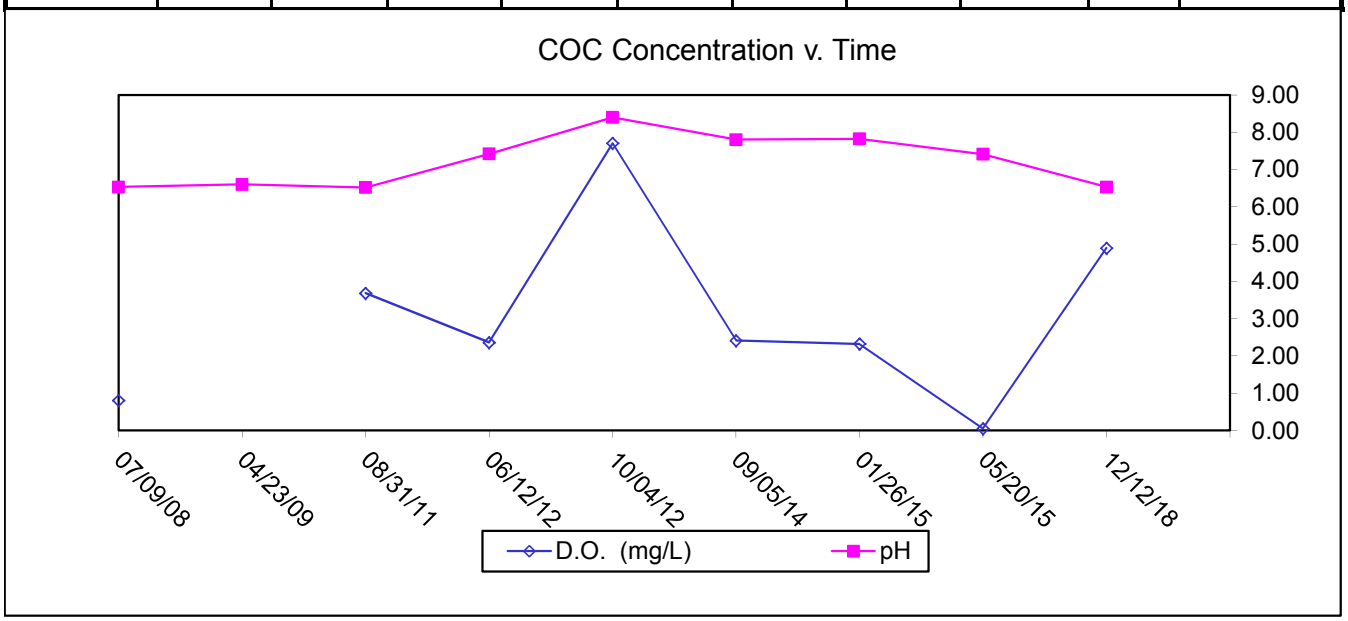
Facility Name:	Former Chevron Facility #45480	Year:	2018
Facility I. D. No.:	10950-045-005241	Period:	2
Incident No.:	UST93-05-33	Reporting Period:	09/11/18 - 01/11/19
Consulting Firm:	AECOM	Project Manager:	Mary Grace

Section 7 - Historical Monitoring Well Intrinsic Groundwater Data

Well ID RW-2

Historical Intrinsic Groundwater Data

DATE	D.O. (mg/L)	pH	ORP (mv)	Temp (0C)	Nitrate (mg/L)	Fe+2 (mg/L)	Sulfate (mg/L)	Methane		
07/09/08	0.80	6.53	32.8	24.42						
04/23/09		6.60	-90.8	24.24						
08/31/11	3.68	6.52	-98.8	25.82						
06/12/12	2.36	7.42	-87.70	25.13						
10/04/12	7.70	8.40	-107.40	26.06						
09/05/14	2.41	7.80	-60.2	26.43						
01/26/15	2.32	7.82	-58.60	21.48						
05/20/15	0.05	7.41	-16.1	24.66						
12/12/18	4.89	6.53	-111	22.32						



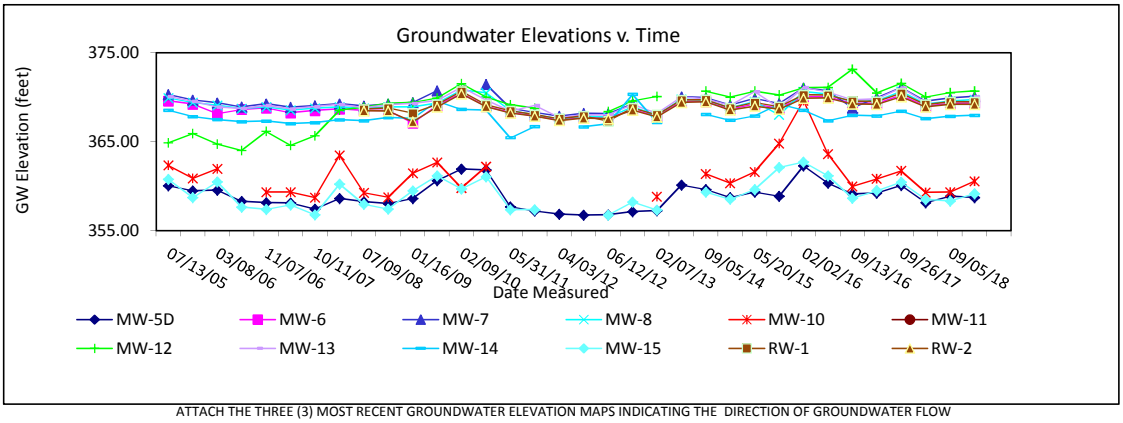
ATTACH SITE MAPS FOR THE THREE (3) MOST RECENT MONITORING EVENTS ILLUSTRATING THE DISTRIBUTION OF ALL GROUNDWATER COC DATA.

NATURAL ATTENUATION MONITORING REPORT

Facility Name:	Former Chevron Facility #45480	Year:	2018
Facility I. D. No.:	10950-045-005241	Period:	2
Incident No.:	UST93-05-33	Reporting Period:	09/11/18 - 01/11/19
Consulting Firm:	AECOM	Project Manager:	Mary Grace

Section 8 - Groundwater Elevation Data

DATE	Well ID/Corrected Groundwater Elevation (feet)											
	MW-5D	MW-6	MW-7	MW-8	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	RW-1	RW-2
07/13/05	360.05	369.58	370.30	369.91	362.33		364.86	370.09	368.53	360.76		
11/10/05	359.48	369.20	369.67	369.40	360.89		365.91	369.53	367.81	358.71		
03/08/06	359.53	368.14	369.36	369.07	361.94		364.72	368.89	367.47	360.48		
07/10/06	358.28	368.62	368.90	368.72			364.01	368.73	367.23	357.64		
11/07/06	358.13	368.79	369.24	368.90	359.33		366.14	369.05	367.30	357.39		
06/12/07	358.11	368.25	368.86	368.54	359.33		364.59	368.68	367.02	357.88		
10/11/07	357.41	368.49	369.02	368.75	358.71		365.65	368.94	367.12	356.78		
02/13/08	358.61	368.67	369.25	368.90	363.45		368.52	369.18	367.46	360.23		
07/09/08	358.26	368.51	369.00	368.75	359.27		368.87	368.79	367.34	357.98	368.65	368.45
10/01/08	358.03	368.51	369.23	368.90	358.76		369.29	369.13	367.69	357.41	368.79	368.44
01/16/09	358.61	367.08	369.39	368.88	361.46		369.40	369.27	367.61	359.48	368.20	367.24
04/23/09	360.61	369.06	370.73	369.34	362.67		369.91	369.62	369.54	361.16	369.18	368.90
02/09/10	361.91	370.43		370.81	359.79		371.52	371.13	368.62	359.70	370.64	370.35
10/21/10	361.81	368.97	371.44	370.48	362.21		370.00	369.68	368.52	361.05	369.15	368.94
05/31/11	357.69	368.28	368.75	368.48			369.14	368.42	365.42	357.34	368.45	368.21
08/31/11	357.21	367.89	368.27	368.03			368.75	369.08	366.70	357.35	368.04	367.84
04/03/12	356.84	367.42	367.85	367.58				367.70			367.58	367.36
06/07/12	356.74	367.70	368.18	367.85				368.00	366.66		367.87	367.62
06/12/12	356.76	367.64	368.13	367.75			368.37	367.99	367.00	356.73	367.31	367.56
10/04/12	357.13	368.60	369.25	368.90			369.57	369.17	370.31	358.21	368.79	368.54
02/07/13	357.24	367.84		368.00	358.81		370.08	368.19	367.17	357.33	368.01	367.77
03/28/14	360.12	369.51	370.05	369.75				370.01			369.69	369.40
09/05/14	359.62	369.49	369.94	369.66	361.39		370.67	369.80	368.07	359.34	369.70	369.45
01/26/15	358.73	368.64	369.12	368.81	360.33		369.99	369.09	367.40	358.52	368.77	368.55
05/20/15	359.32	369.20	369.86	369.51	361.59		370.67	370.63	367.89	359.61	369.39	368.98
09/29/15	358.86	368.74	369.30	368.01	364.79		370.24	368.78	369.20	362.11	368.92	368.65
02/02/16	362.29	370.05	371.05	370.62	369.61		371.06	371.08	368.52	362.70	370.26	369.86
05/11/16	360.33	369.99	370.69	370.32	363.61		371.08	370.58	367.35	361.15	370.22	369.90
09/13/16	359.12	369.33	368.79	369.47	359.99		373.14	369.67	367.94	358.64	369.53	369.21
05/15/17	359.23	369.29	369.92	369.57	360.82		370.47	369.78	367.89	359.49	369.50	369.19
09/26/17	360.10	370.24	371.07	370.65	361.72		371.56	371.06	368.42	360.45	370.44	370.05
01/18/18	358.15	368.97	369.55	369.22	359.30		370.02	369.41	367.58	358.49	369.16	368.89
09/05/18	358.86	369.27	369.90	369.55	359.32		370.50		367.85	358.33	369.45	369.18
12/11/18	358.71	369.33	370.07	369.73	360.55		370.68	370.02	367.97	359.15	369.48	369.17



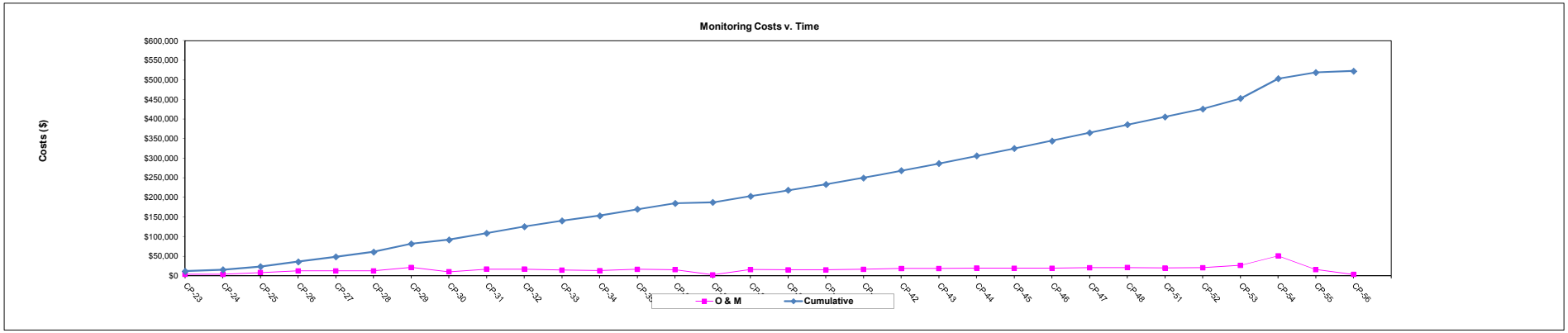
ATTACH THE THREE (3) MOST RECENT GROUNDWATER ELEVATION MAPS INDICATING THE DIRECTION OF GROUNDWATER FLOW
THE GROUNDWATER ELEVATION DATA MUST ALSO BE PRESENTED IN TABULAR FORM AND CORRECTED FOR FREE PRODUCT, IF PRESENT

NATURAL ATTENUATION MONITORING REPORT

Facility Name:	Former Chevron Facility #45480	Year:	2018
Facility I. D. No.:	10950-045-005241	Period:	2
Incident No.:	UST93-05-33	Reporting Period:	09/11/18 - 01/11/19
Consulting Firm:	AECOM	Project Manager:	Mary Grace

Section 9 - Monitoring Costs v. Time

Date	CP-23	CP-24	CP-25	CP-26	CP-27	CP-28	CP-29	CP-30	CP-31	CP-32	CP-33	CP-34	CP-35	CP-36	CP-37	CP-38	CP-39	CP-40	CP-41	CP-42	CP-43	CP-44	CP-45	CP-46	CP-47	CP-48	CP-51	CP-52	CP-53	CP-54	CP-55	CP-56
O & M	3,646	3,646	8,170	12,469	12,469	12,469	21,043	10,072	16,966	16,966	14,598	13,070	16,386	15,344	2,325	15,758	15,021	15,021	16,542	18,387	18,387	19,438	19,183	19,183	20,362	20,829	20,012	20,362	26,527	50,779	15,868	3,228
Cumulative	11,667	15,313	23,483	35,952	48,421	60,890	81,933	92,005	108,971	125,937	140,535	153,605	169,991	185,335	187,660	203,418	218,439	233,460	250,002	268,389	286,776	306,214	325,397	344,580	364,942	385,771	405,783	426,145	452,672	503,451	519,319	522,547



Appendix D

ADEM FORMS

GROUNDWATER MONITORING REPORT

SAMPLED DATE:

12/11 and 12/12/18

FACILITY NAME: Former Chevron Facility No. 45480

FACILITY ADDRESS: Alabama Highway 249 and US Highway 231, Ozark, AL

FACILITY I.D. NO.: 10950-045-005241

UST OR AST INCIDENT NO.: UST93-05-33

BRIEFLY ANSWER THE FOLLOWING QUESTIONS REGARDING THIS SITE:

Number of monitoring wells (MWs) at the site?	13
Number of MWs containing Free Product?	0
Number of MWs with dissolved constituents above CALs?	3
Number of MWs with dissolved constituents below CALs?	10
Are free product recovery activities currently in progress?	No
If yes, what date did recovery activities commence?	NA

Are free product recovery reports being submitted to the UST Corrective Action Unit?
YES ____NO _X____

If yes, please indicate the submittal date of the most recent recovery report.
If no, please indicate reason (i.e. recently discovered or observed) and complete the following information

Monitoring wells containing free product: Identify and indicate well diameter and product thickness (ex. MW-2 /2 inch/ 4.0 inches) for this event:

None

Are assessment activities currently being conducted on the site? If yes, indicate status of assessment activities.

No

Is the site currently in remediation (approved CAP)? If yes, indicate status of remediation activities (ex. received approval to implement CAP, evaluating effectiveness of remediation system):

Yes, previously mobile enhanced multi-phase extraction (MEME) with short-term episodic air sparging events were conducted at the site. The Additional CAP proposed ORC socks and 8-hr MEME events.

Miscellaneous information not directly requested:

_____

_____

SUBMIT THIS FORM WITH THE FOLLOWING ATTACHMENTS:

- Scaled site map identifying: all monitoring wells, groundwater elevations, groundwater elevation contours, and primary groundwater flow direction
- Scaled site map identifying: all monitoring wells, free product thickness, and total dissolved BTEX for each monitoring well.
- Scaled site map identifying: all monitoring wells, Benzene levels, MTBE levels (if applicable for each monitoring well), or other appropriate constituents detected at this site
- Table containing: historical groundwater elevations, depth to groundwater and depth to top of screen for each of the monitoring wells
- Table containing: historical free product thickness, Benzene levels, MTBE levels (if applicable), Ethylbenzene, Toluene, Xylenes, total BTEX levels and other appropriate constituents detected at this site for each of the monitoring wells
- Copies of lab analysis sheets for this sampling event for each of the monitoring wells
- Copies of chain of custody documentation for this sampling event
- Brief narrative description of procedures utilized to obtain groundwater sampling data

Signature of Preparer of this Report: _____

Type or print Name: Patrick Gallagher

Company Name: AECOM

Company Address: 1360 Peachtree St, Ste. 500, Atlanta, GA 30309

ALABAMA LICENSED No. 36455 PROFESSIONAL ENGINEER PATRICK J. GALLAGHER 2/7/19

ADEM Form #476 8/02