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2011 ANNUAL GROUNDWATER MONITORING REPORT

**LOVINGTON PADDOCK GROUNDWATER REMEDIATION SITE
SECTION 1, TOWNSHIP 17 SOUTH, RANGE 36 EAST
LOVINGTON, LEA COUNTY, NEW MEXICO**

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1.0 INTRODUCTION

This 2011 annual report is a review of groundwater monitoring activities and operation of the bio-sparge system at the Lovington Paddock Groundwater Remediation Site hereafter referred to as the ("Site") in Lea County, New Mexico. Conestoga-Rovers & Associates (CRA) has prepared this report on behalf of Chevron Environmental Management Company (CEMC). Data presented in this report were collected by CRA during two semiannual monitoring events conducted on January 25-27, 2011 and July 11-14, 2011.

The Site is located in the S/2-SE/4-Section 1-T17S-R36E about 6.2 miles southeast of Lovington in Lea County, New Mexico. The Site lies at latitude 32° 51' 32.31" N and longitude 103° 18' 8.14" W (Figure 1). There are two active pipelines on the Site. The Site is owned by the City of Lovington, New Mexico.

2.0 HISTORY OF ACTIVITIES AT THE SITE

In June 1998, the initial assessment of an abandoned pit by Highlander Environmental Corporation (Highlander) included the installation of five soil borings (BH-1 through BH-5). Borings BH-1 through BH-4 were installed to 31 feet below ground surface (bgs) around the edge of an abandoned pit, and BH-5 was installed to 71' bgs in the bottom of the pit. Hydrocarbons were detected in samples of soil from BH-1 and BH-5. In July 1998 and August 1998, sludge material and soils were excavated approximately two feet deep, where a hard caliche layer was encountered. During October and November 1998, monitoring wells MW-1 through MW-6 were installed to approximately 75 feet bgs. Monitoring wells MW-7, MW-8, and MW-9 were installed to about 75 feet bgs in March 1999. Based on groundwater sampling results, two separate plumes were identified. One plume appeared to have been associated with the abandoned pit, and one plume was up-gradient of the pit. Soil borings BH-6 through BH-11 were installed to 63' bgs to investigate the plume up-gradient of the abandoned pit. Of this group of six borings, only in BH-11 were hydrocarbons detected. Soil boring BH-11 was drilled out to 76' bgs and completed as monitoring well MW-10. Dissolved-hydrocarbons were detected in groundwater from monitor wells MW-3, MW-5, MW-6, and MW-9. Light non-aqueous phase liquids (LNAPL) was found in monitor wells MW-4 and MW-10.

In March 2001, Environmental Plus, Inc. (EPI), on behalf of EOTT Energy, LLC, uncovered 300 feet of EOTT pipeline to look for previously-repaired or replaced line. Based on EPI's observations, no previously-repaired or replaced lines were found. EPI also stated that the area that showed staining during drilling activities was moist with water and had no petroleum hydrocarbon odor. As indicated in EPI's report, a representative from Chevron's field office (formerly Pure Resources, LP) was on-site during the excavation of the pipeline.

In 2001, the 40-acre tract on which the Site is located was purchased by AST West from the City of Lovington. AST West installed a well near their business and south of the site. Goff Dairies installed four water wells to the east and south of the site. The wells were designed to pump roughly 600 to 800 gallons per minute. Pumping from these wells appears to have lowered the water table and changed its direction of flow. Monitoring wells MW-1 through MW-10 went dry apparently due to the dewatering of the aquifer.

Arcadis installed 13 monitoring wells, MW-A through MW-J and MW-L through MW-N, in June 2003 to replace monitoring wells MW-1 through MW-10. Light non-aqueous-phase liquid (LNAPL) has not been found in monitoring wells MW-A through MW-N; the replacement wells ranged in depth from 104 feet to 204 feet.

To remediate the petroleum hydrocarbon concentrations in groundwater and soil, a pilot low flow biosparge well (BW-1) was installed in November 2003 by Arcadis. Additionally, four monitoring wells (MW-O, MW-P, MW-Q, and MW-D2) were installed by Arcadis to determine the extent of the petroleum hydrocarbon plume.

A 90-day pilot test was conducted to measure the effectiveness of the biosparge well. The biosparge well was used to inject air into the saturated and vadose zones at a rate of approximately 5 cubic feet per minute (cfm). The purpose of the air injection was to stimulate aerobic biodegradation of petroleum hydrocarbons by indigenous microorganisms in the saturated and vadose zones. The biosparging process showed significant success during the 90-day pilot test.

Arcadis installed two additional biosparge wells (BW-2 and BW-3) at the Site in May 2005. A 180-day study was conducted subsequently to monitor the effectiveness of the three biosparge wells. During the study, groundwater and soil vapor sampling was conducted, a radius of influence of approximately 85 feet was observed, and further down-gradient movement of the petroleum hydrocarbon plume was prevented. Results were summarized in the report "180 Day Expanded Biosparge Study" dated March 3, 2006.

The biosparge study was continued by SECOR International Incorporated (SECOR) for a total of 700 days after taking over management of the site from Arcadis. Activities conducted from July 2006 through May 2007 were summarized in the "Biosparging Assessment Report" dated June 22, 2007. Discussions regarding system effectiveness triggered a detailed review of the data. SECOR concluded that assumptions made by Arcadis regarding the quantification of oxygen consumption in biomass production were incorrect, and could not verify that the system was having the desired effect on the aquifer.

SECOR installed two additional groundwater monitoring wells (MW-S and MW-T) in July 2006. In April 2007, MW-T was converted to a biosparge well due to an apparent failure of well BW-2. Three additional groundwater monitoring wells (MW-U, MW-V, and MW-W) were installed to better evaluate the biosparge system.

SECOR continued groundwater assessment activities and operation and maintenance of the bio-sparge system through 2007. Stantec continued groundwater assessment activities and operation and maintenance of the bio-sparge system throughout 2008, 2009, and 2010.

Conestoga-Rovers & Associates was retained by CEMC to manage groundwater monitoring and bio-sparge operation activities at the Lovington Paddock site in November 2010.

3.0 REGULATORY FRAMEWORK

The New Mexico Oil Conservation Division of the New Mexico Energy, Minerals, and Natural Resources Department (NMOCD) has regulatory jurisdiction over corrective actions being conducted at the Lovington Paddock Site. Corrective actions follow guidance given by the NMOCD in *Guidelines for Remediation of Leaks, Spills, and Releases* (August 13, 1993). These guidelines require remediation of groundwater to the human health standards of the New Mexico Water Quality Control Commission (NMWQCC) set forth in New Mexico Administrative Code (NMAC) 20.6.2.3103A that are shown in the following table.

<i>Analyte</i>	<i>NMWQCC Standard for Groundwater (mg/L)</i>
Benzene	0.01
Toluene	0.75
Ethylbenzene	0.75
Total xylenes	0.62

4.0 GROUNDWATER MONITORING

The Lovington Paddock Site includes 23 existing monitor wells (MW-A through MW-W, except MW-K), MW-D2, and 3 existing biosparge wells (BW-1 through BW-3). They are shown on the Site Details Map in Figure 2. The Site was monitored during two semi-annual events in 2011. The first event took place from January 25 through January 27. MW-A and BW-3 were neither gauged nor sampled during that event. According to available data, the casing in MW-A collapsed in 2008. Monitor well BW-3 was not gauged or sampled because the casing was obstructed below the surface.

The second event was conducted from July 11 through July 13. All three biosparge wells, and all monitor wells with sufficient groundwater present were gauged and sampled during the event. A portion of the down-hole sparge tubing, which had broken during 2010 or before, had to be fished out of BW-3 before it could be gauged or sampled. Monitor well MW-A was not gauged or sampled. Monitor wells MW-B, MW-C, MW-D, MW-E, MW-H, MW-O, and MW-Q were not gauged or sampled, because there was insufficient water in them. MW-F was gauged but not sampled. There was sufficient water in it to gauge but not to sample.

4.1 FIELD METHODOLOGY

The water level was measured to the nearest one-hundredth of a foot in each well before it was purged for sampling. Water levels were measured with an electronic oil-water interface probe. Water levels were measured from on the top of the casing in each well at permanent reference points on the casing or at the north edge of the casing if no permanent reference point had been marked. No light non-aqueous-phase liquid (LNAPL) was detected in any well.

Low-flow purging techniques were used prior to sampling. Temperature, oxidation-reduction potential (ORP), pH, conductivity, and dissolved oxygen (DO) were monitored during purging. Purging continued until at least three of these parameters were within 10% of previous readings for 3 consecutive measurements. A sample was then collected, labeled, recorded on a laboratory chain-of-custody form, and placed on ice in a cooler to maintain a temperature of approximately 40°F (4°C). Field equipment was decontaminated with an Alconox™ wash and distilled water rinse before beginning field activities and between wells. Samples of groundwater collected during the first monitoring event were shipped to ALS Environmental in Houston, Texas for analyses. Samples of groundwater collected during the second monitoring event were submitted to Xenco Laboratories in Odessa, Texas for analyses. Proper chain-of-custody documentation was maintained throughout sampling and analytical processes.

Samples collected during 2011 were analyzed for dissolved benzene, toluene, ethylbenzene, and xylenes (BTEX) according to analytical method SW846-8021B. Samples were analyzed for total petroleum in the gasoline range (TPH-GRO) and TPH in the diesel range (TPH-DRO) according to analytical method SW846-8015B.

4.2 GROUNDWATER GAUGING AND ANALYTICAL RESULTS

Fluid level measurements collected during 2011 are shown in Table I. Surveyed tops of casings of wells are shown in feet above mean sea level (famsl). Elevations of potentiometric surface are also shown in feet above mean sea level (famsl). The range of elevations on the potentiometric surface during the first semi-annual monitoring event between January 25 and 27 was from 3713.31 famsl to 3722.92 famsl. The map of elevations of the potentiometric surface during the first semi-annual monitoring event is shown in Figure 3. It indicates that the direction of flow of groundwater at that time was toward the East. The magnitude of the gradient was 0.0107 ft./ft.

The range of elevations on the potentiometric surface during the second monitoring event on July 11 was from 3702.25 to 3718.52 famsl. The map of elevations of the potentiometric surface on July 11 is shown in Figure 4. This map indicates that the direction of flow of groundwater was to the East. Its magnitude was 0.0191 ft./ft.

Directions of the gradient on the potentiometric surface have changed dramatically over time at the Lovington Paddock Site due to pumping from the AST well and wells used by the Goff Dairy, WW-1 through WW-4. Directions of the gradients shown on Figures 3 and 4 suggest that recent pumping occurred at WW-3 and WW-4. Directions of the gradients remained consistently eastward between January and July. Magnitude of the gradients changed slightly—from 0.0107 ft./ft. to 0.0191 ft./ft. from January to July, respectively. Comparison of gauging data from the two monitoring events in 2011 indicates that the potentiometric surface decreased in elevation in all 17 wells that were measured during both semi-annual monitoring events. The range of decline was 4.18 ft. to 12.12 ft. The average decline among those wells was 8.53 feet.

A cumulative table of all available results of analyses of groundwater samples collected at the Lovington Paddock site since 2005 is shown in Table II. Chemicals of Concern (COCs) are shown in columns across the top of the table. Appropriate standards are shown below the names of analytes. Analytical results for the first monitoring event, January 25-27, 2011, are shown in map form on Figure 5. Analytical results of the second monitoring event, July, 2011, have also been compiled in Table II and shown in map form on Figure 6.

Copies of signed analytical reports and chains-of-custody are attached in Appendix A. Trends of concentrations of chemicals of concern over time are shown in Appendix B. In BW-3, MW-B, MW-H, MW-I, and MW-T dissolved benzene levels were above the NMWQCC standard of 0.01 mg/L. Wells BW-2 and MW-C had concentrations of dissolved benzene below the NMWQCC standard. Dissolved toluene was present in MW-I and MW-T during 2011 at levels slightly above the NMWQCC standards. The other BTEX components were not present in concentrations exceeding NMWQCC standards in any well sampled during 2011.

Dissolved TPH-GRO was detected at levels exceeding 1.5 mg/L in samples from MW-H, MW-I, and MW-T. The highest of these was 22.6 mg/L in MW-T. TPH-GRO was detected in one sample from MW-B at a concentration less than 1.5 mg/L.

Dissolved TPH-DRO was detected in MW-B, MW-C, MW-H, and MW-T during 2011. The greatest concentration found in these wells was 0.41 mg/L in MW-T.

5.0 GROUNDWATER REMEDIATION AND PERFORMANCE

To remediate the petroleum hydrocarbon concentrations in groundwater and soil, a pilot low-flow biosparge well (BW-1) was installed in November 2003 by Arcadis. A 90-day pilot test was conducted to measure the effectiveness of the biosparge well. The biosparge well was used to inject air into the saturated and vadose zones at a rate of approximately 5 cubic feet per minute (cfm). The purpose of the air injection was to stimulate aerobic biodegradation of petroleum hydrocarbons by indigenous microorganisms in the saturated and vadose zones. The biosparging process showed significant success during the 90-day pilot test. Arcadis installed two additional biosparge wells (BW-2 and BW-3) at the Site in May 2005. A 180-day study was conducted subsequently to monitor the effectiveness of the three biosparge wells. During the study, groundwater and soil vapor sampling was conducted, a radius of influence of approximately 85 feet was observed, and further down-gradient movement of the petroleum hydrocarbon plume was prevented. SECOR installed two additional groundwater monitoring wells (MW-S and MW-T) in July 2006. In April 2007, MW-T was converted to a biosparge well due to failure of well BW-2. Three additional groundwater monitoring wells (MW-U, MW-V, and MW-W) were installed to better evaluate the biosparge system. SECOR continued groundwater assessment activities and operation and maintenance of the bio-sparge system through 2007. Stantec continued groundwater assessment activities and operation and maintenance of the bio-sparge system throughout 2008, 2009, and into October 2010.

The biosparge system not operate during 2011 due to numerous mechanical issues. In May 2011 wildfire burned through much of the site. Monitor wellheads, air compressors, and remaining surface equipment not in contact with the ground were not damaged. Down-hole air conveyance tubing and well-cap assemblies that had been removed from the sparge wells and left on the ground had been completely destroyed. These items required replacement.

6.0 SUMMARY OF FINDINGS

Based on groundwater monitoring and sampling activities performed at the Site, CRA presents the following summary of findings:

- Groundwater monitoring was conducted on a semi-annual basis in 2011. The first monitoring event occurred on January 25-27. Two monitor wells, BW-3 and MW-A were not gauged and sampled during that event, because of down-hole obstructions. Figure 3 indicates that the direction of flow of groundwater at that time was toward the East. The magnitude of the gradient was 0.0107 ft./ft.
- The second semi-annual event was conducted from July 6 through July 13. BW-3 was gauged and sampled during this event, since the broken down-hole tubing had been fished out of the well. Monitor well MW-A was not gauged or sampled, because of a down-hole obstruction. Monitor wells MW-B, MW-C, MW-D, MW-E, MW-H, MW-O, and MW-Q were not gauged or sampled during the second event, because there was no water in these wells. MW-F was gauged, but there was insufficient water in it to purge and sample. Figure 4 indicates that the direction of flow of groundwater was eastward. The magnitude of the gradient was 0.0191 ft./ft.
- The elevations of the water table in all gauged wells continued to fall during 2011. The elevation of the water table declined by an average of 8.53 feet between groundwater monitoring events in 2011.
- Concentrations of dissolved-phase benzene were above the NMWQCC standard of 0.01 mg/L during 2011 in BW-3, MW-B, MW-H, MW-I, and MW-T. Detectable levels of dissolved-phase benzene were also found in BW-2, and MW-C; however, these were below the NMWQCC standard.
- Dissolved toluene was present at levels slightly above NMWQCC standard in monitor wells MW-I and MW-T. Ethylbenzene and total xylenes were not present in concentrations exceeding NMWQCC standards in any well sampled during 2011.

7.0 PLANNED ACTIVITIES

The biosparge system did not operate during 2011 because of numerous mechanical issues and wildfire which destroyed some surface equipment. The system is being repaired for operation. Semi-annual gauging and sampling events for 2011 were scheduled January and July. Groundwater levels will be measured in all wells where accessible. All wells that have sufficient groundwater present will be purged and sampled. Samples will be analyzed for BTEX, TPH-GRO and TPH-DRO.

The biosparge system will be repaired for operation. Weekly site visits will be conducted to monitor the operation, maintenance, and performance of the biosparge system.

All of which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES, INC.

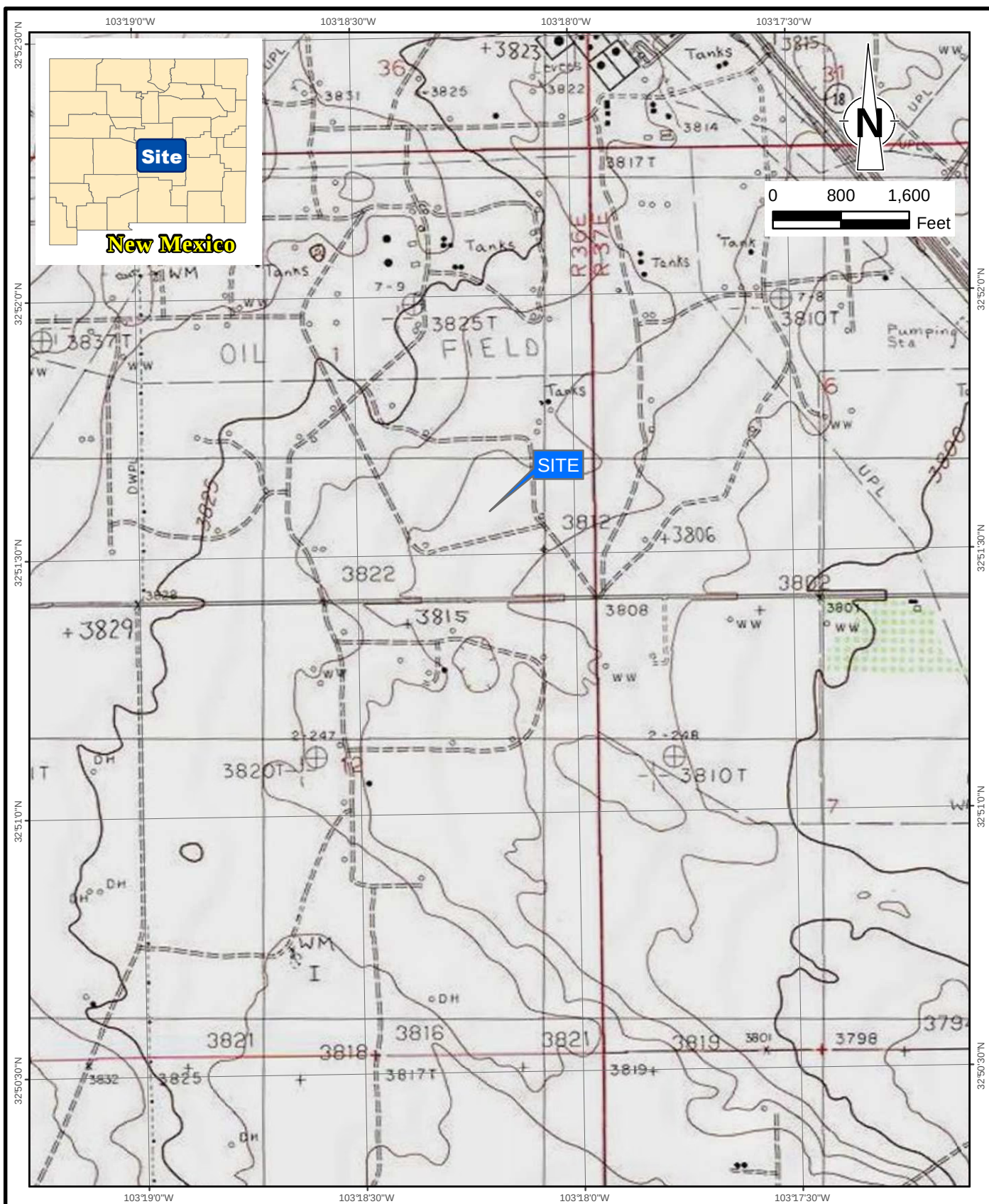


John P. Schnable
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Senior Project Manager

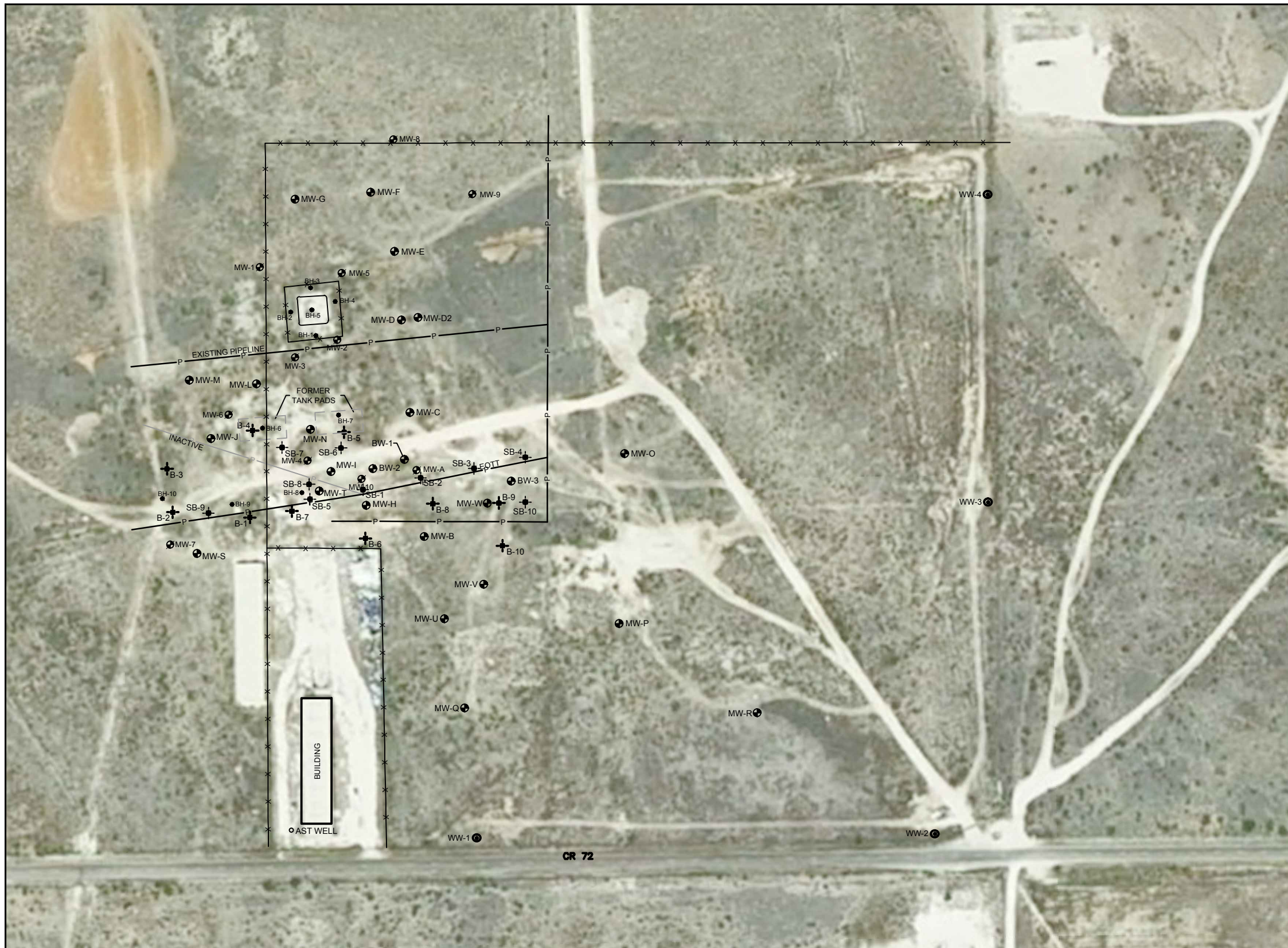
FIGURES



RE: USGS 7.5 Minute Topographic Maps.

figure 1
VICINITY MAP
LOVINGTON PADDOCK GROUNDWATER REMEDIATION SITE
SECTION 1-T17S-R36E, LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company





LEGEND:

- MONITORING WELL LOCATION
- GOFF DAIRY WELL LOCATION
- PLUGGED AND ABANDONED MONITOR WELL
- FORMER SOIL BORING LOCATION
- SOIL BORING LOCATION (JULY 25, 2006)(B-)
- SOIL BORING LOCATION (APRIL 10-11, 2008)(SB-)
- FENCE
- UNDERGROUND PETROLEUM PIPELINE

figure 2

SITE DETAILS MAP
LOVINGTON PADDOCK GROUNDWATER REMEDIATION SITE
SECTION 1-T17S-R36E, LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company

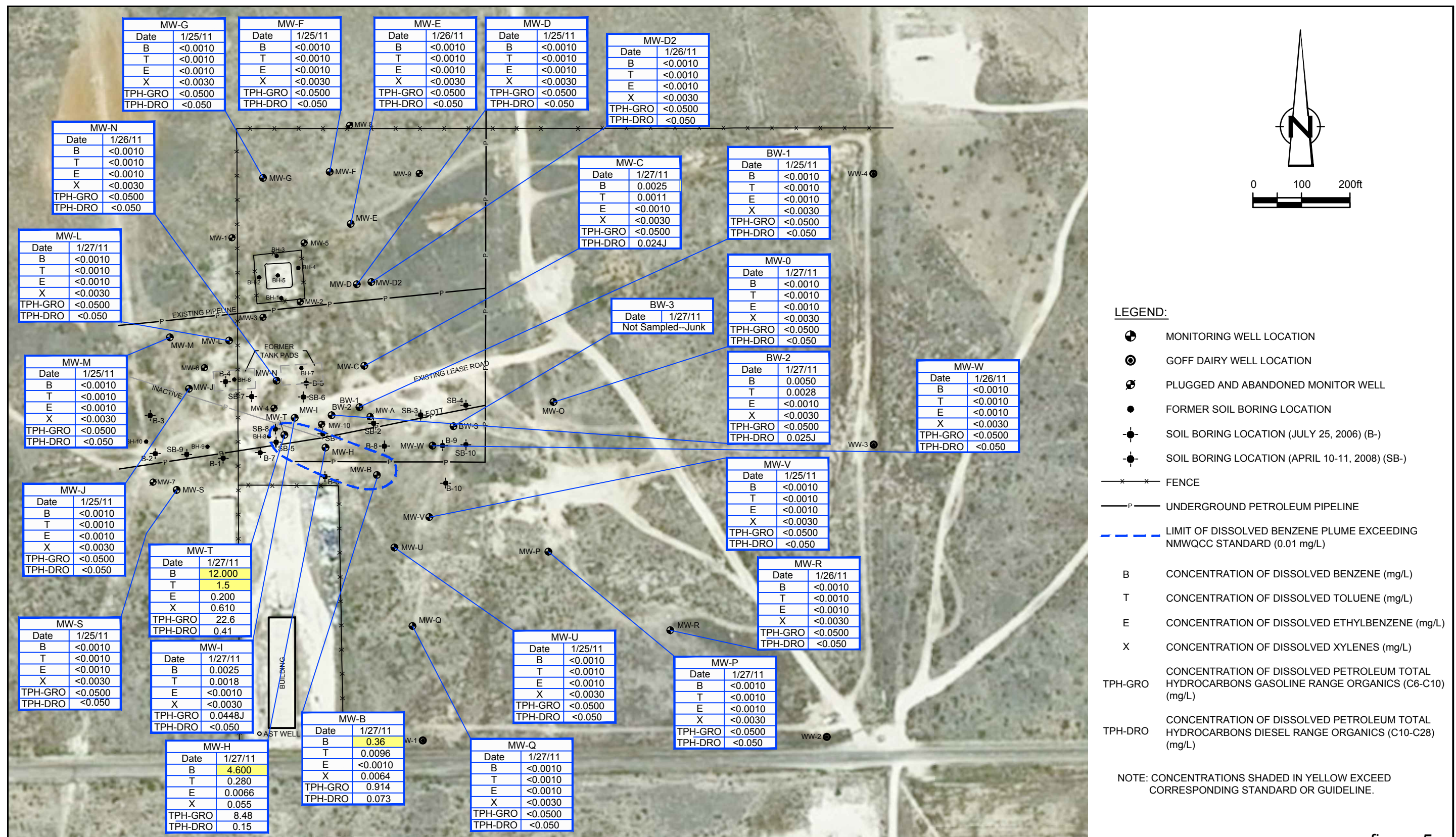




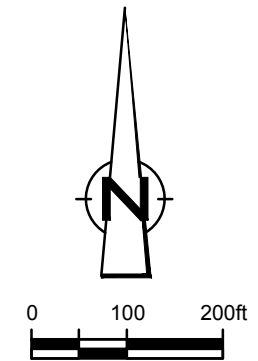
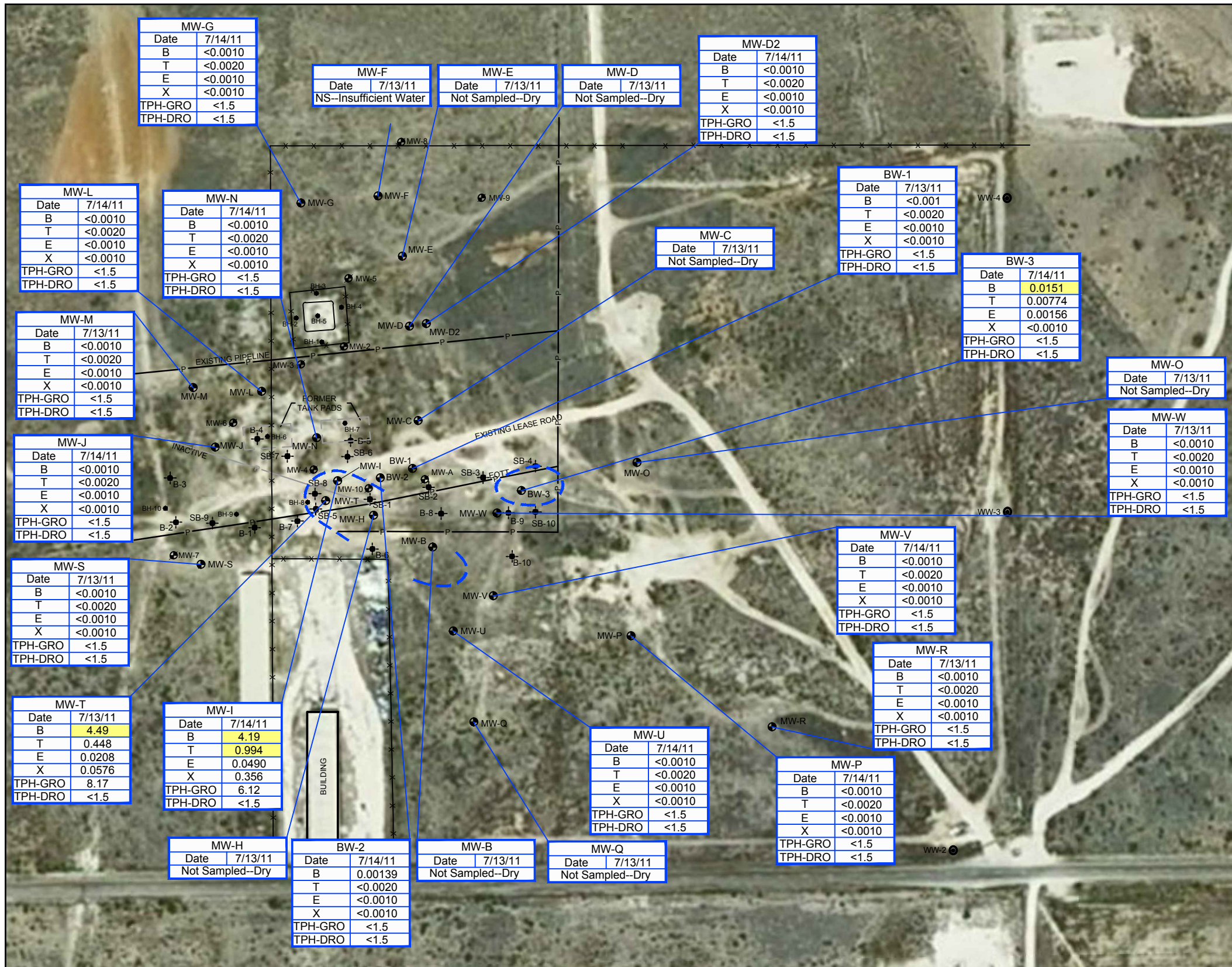
figure 4

MAP OF THE POTENTIOMETRIC SURFACE - JULY 11, 2011
 LOVINGTON PADDOCK GROUNDWATER REMEDIATION SITE
 SECTION 1 - T17S - R36E, LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company





DISTRIBUTION OF DISSOLVED HYDROCARBONS - JANUARY 25-27, 2011
LOVINGTON PADDOCK REMEDIATION SITE
SECTION 1-T17S-R36E, LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company, Houston, Texas



LEGEND:

- MONITORING WELL LOCATION
- GOFF DAIRY WELL LOCATION
- PLUGGED AND ABANDONED MONITOR WELL
- FORMER SOIL BORING LOCATION
- SOIL BORING LOCATION (JULY 25, 2006) (B-)
- SOIL BORING LOCATION (APRIL 10-11, 2008) (SB-)
- FENCE
- UNDERGROUND PETROLEUM PIPELINE
- LIMIT OF DISSOLVED BENZENE PLUME EXCEEDING NMWQCC STANDARD (0.01 mg/L)
- B CONCENTRATION OF DISSOLVED BENZENE (mg/L)
- T CONCENTRATION OF DISSOLVED TOLUENE (mg/L)
- E CONCENTRATION OF DISSOLVED ETHYLBENZENE (mg/L)
- X CONCENTRATION OF DISSOLVED XYLENES (mg/L)
- TPH-GRO CONCENTRATION OF DISSOLVED TOTAL PETROLEUM HYDROCARBONS GASOLINE RANGE ORGANICS (C6-C10) (mg/L)
- TPH-DRO CONCENTRATION OF DISSOLVED TOTAL PETROLEUM HYDROCARBONS DIESEL RANGE ORGANICS (C10-C28) (mg/L)

NOTE: CONCENTRATIONS SHADED IN YELLOW EXCEED CORRESPONDING STANDARD OR GUIDELINE.

figure 6

DISTRIBUTION OF DISSOLVED HYDROCARBONS - JULY 13-14, 2011
LOVINGTON PADDOCK REMEDIATION SITE
SECTION 1-T17S-R36E, LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company, Houston, Texas



TABLES

TABLE I

**CUMULATIVE SUMMARY OF FLUID LEVEL MEASUREMENTS
LOVINGTON PADDOCK GROUNDWATER REMEDIATION SITE
SECTION 1-T17S-R36E, LEA COUNTY, NM**

<i>Well ID</i>	<i>Date Measured</i>	<i>Elevation of TOC (famsl)</i>	<i>Depth to Water (fbtoc)</i>	<i>Water Elevation (famsl)</i>	<i>Total Depth (fbtoc)</i>
BW-1	6/16/2005	3816.14	86.75	3729.39	128.04
BW-1	7/27/2005	3816.14	92.32	3723.82	128.04
BW-1	9/21/2005	3816.14	90.41	3725.73	128.04
BW-1	12/9/2005	3816.14	88.38	3727.76	128.04
BW-1	5/9/2007	3816.14	N/A ¹		128.04
BW-1	6/13/2008	3816.14	94.25	3721.89	128.04
BW-1	9/17/2008	3816.14	97.51	3718.63	128.04
BW-1	1/26/2009	3816.14	91.08	3725.06	128.04
BW-1	7/9/2009	3816.14	98.83	3717.31	128.04
BW-1	1/25/2010	3816.14	95.08	3721.06	118.80
BW-1	7/6/2010	3816.14	100.81	3715.33	118.80
BW-1	1/25/2011	3816.14	98.03	3718.11	
BW-1	7/11/2011	3816.14	107.50	3708.64	
BW-2	6/16/2005	3816.57	86.38	3730.19	123.04
BW-2	7/27/2005	3816.57	90.70	3725.87	123.04
BW-2	9/21/2005	3816.57	89.99	3726.58	123.04
BW-2	12/9/2005	3816.57	88.21	3728.36	123.04
BW-2	5/9/2007	3816.57	N/A ¹		123.04
BW-2	6/13/2008	3816.57	95.16	3721.41	123.04
BW-2	9/17/2008	3816.57	96.92	3719.65	123.04
BW-2	1/26/2009	3816.57	91.13	3725.44	123.04
BW-2	7/9/2009	3816.57	98.47	3718.10	123.04
BW-2	7/6/2010	3816.57	100.10	3716.47	122.16
BW-2	1/27/2011	3816.57	97.76	3718.81	
BW-2	7/11/2011	3816.57	107.91	3708.66	
BW-3	6/16/2005	3815.82	87.39	3728.43	123.09
BW-3	7/27/2005	3815.82	92.72	3723.10	123.09
BW-3	9/22/2005	3815.82	91.07	3724.75	123.09
BW-3	12/9/2005	3815.82	88.46	3727.36	123.09
BW-3	5/9/2007	3815.82	N/A1		123.09
BW-3	9/17/2008	3815.82	98.57	3717.25	123.09
BW-3	1/26/2009	3815.82	92.44	3723.38	123.09
BW-3	7/9/2009	3815.82	100.44	3715.38	123.09
BW-3	7/6/2010	3815.82	101.96	3713.86	120.30
BW-3	1/25/2011	3815.82	Not Gauged-Junk		
BW-3	7/11/2011	3815.82	108.64	3707.18	
MW-A	6/16/2005	3816.04	86.75	3729.29	100.51
MW-A	7/25/2005	3816.04	DRY		100.51
MW-A	9/19/2005	3816.04	90.41	3725.63	100.51
MW-A	12/5/2005	3816.04	88.38	3727.66	100.51
MW-A	5/9/2007	3816.04	DRY		100.51

TABLE I

**CUMULATIVE SUMMARY OF FLUID LEVEL MEASUREMENTS
LOVINGTON PADDOCK GROUNDWATER REMEDIATION SITE
SECTION 1-T17S-R36E, LEA COUNTY, NM**

<i>Well ID</i>	<i>Date Measured</i>	<i>Elevation of TOC (famsl)</i>	<i>Depth to Water (fbtoc)</i>	<i>Water Elevation (famsl)</i>	<i>Total Depth (fbtoc)</i>
MW-A	7/1/2008	3816.04	Collapsed		99.03
MW-A	7/6/2010	3816.04	Collapsed		
MW-A	1/25/2011	3816.04	Collapsed		
MW-A	7/11/2011	3816.04	Collapsed		
MW-B	6/16/2005	3816.09	87.15	3728.94	108.11
MW-B	7/25/2005	3816.09	92.55	3723.54	108.11
MW-B	9/19/2005	3816.09	90.82	3725.27	108.11
MW-B	12/5/2005	3816.09	88.73	3727.36	108.11
MW-B	5/9/2007	3816.09	91.78	3724.31	108.11
MW-B	10/2/2007	3816.09	92.94	3723.15	108.11
MW-B	6/13/2008	3816.09	95.05	3721.04	108.11
MW-B	9/15/2008	3816.09	98.39	3717.70	108.11
MW-B	1/26/2009	3816.09	91.36	3724.73	108.11
MW-B	7/9/2009	3816.09	99.76	3716.33	108.11
MW-B	1/25/2010	3816.09	95.21	3720.88	107.65
MW-B	7/6/2010	3816.09	101.50	3714.59	107.65
MW-B	1/27/2011	3816.09	98.36	3717.73	
MW-B	7/11/2011	3816.09	DRY		
MW-C	6/15/2005	3817.04	87.83	3729.21	108.05
MW-C	7/25/2005	3817.04	92.53	3724.51	108.05
MW-C	9/19/2005	3817.04	91.54	3725.50	108.05
MW-C	12/5/2005	3817.04	89.50	3727.54	108.05
MW-C	5/9/2007	3817.04	92.56	3724.48	108.05
MW-C	10/2/2007	3817.04	93.66	3723.38	108.05
MW-C	6/13/2008	3817.04	95.21	3721.83	108.05
MW-C	9/15/2008	3817.04	98.75	3718.29	108.05
MW-C	1/26/2009	3817.04	92.10	3724.94	108.05
MW-C	7/9/2009	3817.04	99.78	3717.26	108.05
MW-C	1/25/2010	3817.04	96.09	3720.95	106.35
MW-C	7/6/2010	3817.04	101.78	3715.26	106.35
MW-C	1/27/2011	3817.04	98.92	3718.12	
MW-C	7/11/2011	3817.04	DRY		
MW-D	3/2/2005	3816.08	82.68	3733.40	107.92
MW-D	9/19/2005	3816.08	90.48	3725.60	107.92
MW-D	12/5/2005	3816.08	88.44	3727.64	107.92
MW-D	5/9/2007	3816.08	91.49	3724.59	107.92
MW-D	9/27/2007	3816.08	92.62	3723.46	107.92
MW-D	6/13/2008	3816.08	94.43	3721.65	107.92
MW-D	9/15/2008	3816.08	97.49	3718.59	107.92
MW-D	1/26/2009	3816.08	91.08	3725.00	107.92
MW-D	7/9/2009	3816.08	98.82	3717.26	107.92

TABLE I

**CUMULATIVE SUMMARY OF FLUID LEVEL MEASUREMENTS
LOVINGTON PADDOCK GROUNDWATER REMEDIATION SITE
SECTION 1-T17S-R36E, LEA COUNTY, NM**

<i>Well ID</i>	<i>Date Measured</i>	<i>Elevation of TOC (famsl)</i>	<i>Depth to Water (fbtoc)</i>	<i>Water Elevation (famsl)</i>	<i>Total Depth (fbtoc)</i>
MW-D	1/25/2010	3816.08	95.14	3720.94	106.90
MW-D	7/6/2010	3816.08	100.57	3715.51	106.90
MW-D	1/25/2011	3816.08	97.68	3718.40	
MW-D	7/11/2011	3816.08	DRY		
MW-E	9/19/2005	3816.31	90.39	3725.92	107.99
MW-E	12/5/2005	3816.31	88.40	3727.91	107.99
MW-E	5/9/2007	3816.31	91.47	3724.84	107.99
MW-E	9/27/2007	3816.31	92.60	3723.71	107.99
MW-E	7/1/2008	3816.31	95.54	3720.77	107.99
MW-E	9/15/2008	3816.31	97.21	3719.10	107.99
MW-E	1/26/2009	3816.31	91.11	3725.20	107.99
MW-E	7/9/2009	3816.31	98.81	3717.50	107.99
MW-E	1/25/2010	3816.31	95.20	3721.11	107.01
MW-E	7/6/2010	3816.31	100.37	3715.94	107.01
MW-E	1/26/2011	3816.31	97.50	3718.81	
MW-E	7/11/2011	3816.31	DRY	DRY	
MW-F	9/19/2005	3816.69	89.86	3726.83	108.09
MW-F	12/5/2005	3816.69	88.09	3728.60	108.09
MW-F	5/9/2007	3816.69	91.21	3725.48	108.09
MW-F	9/27/2007	3816.69	92.26	3724.43	108.09
MW-F	7/1/2008	3816.69	93.93	3722.76	108.09
MW-F	9/15/2008	3816.69	96.49	3720.20	108.09
MW-F	1/26/2009	3816.69	91.10	3725.59	108.09
MW-F	7/9/2009	3816.69	98.00	3718.69	108.09
MW-F	1/25/2010	3816.69	94.89	3721.80	106.70
MW-F	7/6/2010	3816.69	99.50	3717.19	106.70
MW-F	1/25/2011	3816.69	97.20	3719.49	
MW-F	7/11/2011	3816.69	106.29	3710.40	
MW-G	9/19/2005	3818.23	89.46	3728.77	108.05
MW-G	12/5/2005	3818.23	88.18	3730.05	108.05
MW-G	5/9/2007	3818.23	91.19	3727.04	108.05
MW-G	10/1/2007	3818.23	92.08	3726.15	108.05
MW-G	7/1/2008	3818.23	95.54	3722.69	108.05
MW-G	9/15/2008	3818.23	95.70	3722.53	108.05
MW-G	1/26/2009	3818.23	91.48	3726.75	108.05
MW-G	7/9/2009	3818.23	96.72	3721.51	108.05
MW-G	1/25/2010	3818.23	95.01	3723.22	106.55
MW-G	7/6/2010	3818.23	98.50	3719.73	106.55
MW-G	1/25/2011	3818.23	97.35	3720.88	
MW-G	7/11/2011	3818.23	103.60	3714.63	

TABLE I

**CUMULATIVE SUMMARY OF FLUID LEVEL MEASUREMENTS
LOVINGTON PADDOCK GROUNDWATER REMEDIATION SITE
SECTION 1-T17S-R36E, LEA COUNTY, NM**

<i>Well ID</i>	<i>Date Measured</i>	<i>Elevation of TOC (famsl)</i>	<i>Depth to Water (fbtoc)</i>	<i>Water Elevation (famsl)</i>	<i>Total Depth (fbtoc)</i>
MW-H	6/15/2005	3816.74	86.46	3730.28	108.10
MW-H	7/25/2005	3816.74	91.05	3725.69	108.10
MW-H	9/19/2005	3816.74	90.15	3726.59	108.10
MW-H	12/5/2005	3816.74	88.30	3728.44	108.10
MW-H	5/9/2007	3816.74	91.30	3725.44	108.10
MW-H	10/2/2007	3816.74	92.37	3724.37	108.10
MW-H	6/13/2008	3816.74	93.94	3722.80	108.10
MW-H	9/15/2008	3816.74	97.28	3719.46	108.10
MW-H	1/26/2009	3816.74	91.14	3725.60	108.10
MW-H	7/9/2009	3816.74	98.30	3718.44	108.10
MW-H	1/25/2010	3816.74	94.91	3721.83	105.53
MW-H	7/6/2010	3816.74	101.28	3715.46	105.53
MW-H	1/27/2011	3816.74	97.87	3718.87	
MW-H	7/11/2011	3816.74	DRY		
MW-I	6/15/2005	3816.94	85.90	3731.04	108.07
MW-I	7/25/2005	3816.94	89.94	3727.00	108.07
MW-I	9/19/2005	3816.94	89.50	3727.44	108.07
MW-I	12/5/2005	3816.94	87.88	3729.06	108.07
MW-I	5/9/2007	3816.94	90.83	3726.11	108.07
MW-I	10/1/2007	3816.94	91.82	3725.12	108.07
MW-I	6/13/2008	3816.94	93.03	3723.91	108.07
MW-I	9/15/2008	3816.94	96.38	3720.56	108.07
MW-I	1/26/2009	3816.94	90.78	3726.16	108.07
MW-I	7/9/2009	3816.94	97.19	3719.75	108.07
MW-I	1/25/2010	3816.94	94.52	3722.42	103.79
MW-I	7/6/2010	3816.94	99.29	3717.65	103.79
MW-I	1/27/2011	3816.94	97.39	3719.55	
MW-I	7/11/2011	3816.94	106.76	3710.18	
MW-J	9/19/2005	3817.66	87.24	3730.42	108.05
MW-J	12/5/2005	3817.66	86.23	3731.43	108.05
MW-J	5/9/2007	3817.66	89.07	3728.59	108.05
MW-J	10/1/2007	3817.66	89.86	3727.80	108.05
MW-J	6/13/2008	3817.66	90.51	3727.15	108.05
MW-J	9/15/2008	3817.66	93.44	3724.22	108.05
MW-J	1/26/2009	3817.66	89.58	3728.08	108.05
MW-J	7/9/2009	3817.66	93.95	3723.71	108.05
MW-J	1/25/2010	3817.66	93.03	3724.63	105.97
MW-J	7/6/2010	3817.66	96.05	3721.61	105.97
MW-J	1/25/2011	3817.66	95.59	3722.07	
MW-J	7/11/2011	3817.66	100.22	3717.44	
MW-L	9/19/2005	3818.35	86.95	3731.40	108.07

TABLE I

**CUMULATIVE SUMMARY OF FLUID LEVEL MEASUREMENTS
LOVINGTON PADDOCK GROUNDWATER REMEDIATION SITE
SECTION 1-T17S-R36E, LEA COUNTY, NM**

<i>Well ID</i>	<i>Date Measured</i>	<i>Elevation of TOC (famsl)</i>	<i>Depth to Water (fbtoc)</i>	<i>Water Elevation (famsl)</i>	<i>Total Depth (fbtoc)</i>
MW-L	12/5/2005	3818.35	87.80	3730.55	108.07
MW-L	5/9/2007	3818.35	90.70	3727.65	108.07
MW-L	10/1/2007	3818.35	91.54	3726.81	108.07
MW-L	6/13/2008	3818.35	92.29	3726.06	108.07
MW-L	9/15/2008	3818.35	95.36	3722.99	108.07
MW-L	1/26/2009	3818.35	91.03	3727.32	108.07
MW-L	7/9/2009	3818.35	95.76	3722.59	108.07
MW-L	1/25/2010	3818.35	94.57	3723.78	107.20
MW-L	7/6/2010	3818.35	98.03	3720.32	107.20
MW-L	1/27/2011	3818.35	97.60	3720.75	
MW-L	7/11/2011	3818.35	102.58	3715.77	
MW-M	9/19/2005	3817.88	86.95	3730.93	108.04
MW-M	12/5/2005	3817.88	86.06	3731.82	108.04
MW-M	5/9/2007	3817.88	88.89	3728.99	108.04
MW-M	10/1/2007	3817.88	89.63	3728.25	108.04
MW-M	6/13/2008	3817.88	90.18	3727.70	108.04
MW-M	9/15/2008	3817.88	92.97	3724.91	108.04
MW-M	1/26/2009	3817.88	89.49	3728.39	108.04
MW-M	7/9/2009	3817.88	93.50	3724.38	108.04
MW-M	1/25/2010	3817.88	92.89	3724.99	108.13
MW-M	7/6/2010	3817.88	95.53	3722.35	108.13
MW-M	1/25/2011	3817.88	95.35	3722.53	
MW-M	7/11/2011	3817.88	99.53	3718.35	
MW-N	6/16/2005	3817.7	86.25	3731.45	108.08
MW-N	7/25/2005	3817.7	89.85	3727.85	108.08
MW-N	9/19/2005	3817.7	89.73	3727.97	108.08
MW-N	12/5/2005	3817.7	88.19	3729.51	108.08
MW-N	5/9/2007	3817.7	91.17	3726.53	108.08
MW-N	10/2/2007	3817.7	92.12	3725.58	108.08
MW-N	6/13/2008	3817.7	93.14	3724.56	108.08
MW-N	9/15/2008	3817.7	96.44	3721.26	108.08
MW-N	1/26/2009	3817.7	91.24	3726.46	108.08
MW-N	7/9/2009	3817.7	97.16	3720.54	108.08
MW-N	1/25/2010	3817.7	94.94	3722.76	108.67
MW-N	7/6/2010	3817.7	99.07	3718.63	108.67
MW-N	1/26/2011	3817.7	97.22	3720.48	
MW-N	7/11/2011	3817.7	104.40	3713.30	
MW-O	7/25/2005	3814.74	96.58	3718.16	113.05
MW-O	9/19/2005	3814.74	93.71	3721.03	113.05
MW-O	12/5/2005	3814.74	90.80	3723.94	113.05
MW-O	5/9/2007	3814.74	93.97	3720.77	113.05

TABLE I

**CUMULATIVE SUMMARY OF FLUID LEVEL MEASUREMENTS
LOVINGTON PADDOCK GROUNDWATER REMEDIATION SITE
SECTION 1-T17S-R36E, LEA COUNTY, NM**

<i>Well ID</i>	<i>Date Measured</i>	<i>Elevation of TOC (famsl)</i>	<i>Depth to Water (fbtoc)</i>	<i>Water Elevation (famsl)</i>	<i>Total Depth (fbtoc)</i>
MW-O	10/2/2007	3814.74	95.44	3719.30	113.05
MW-O	6/13/2008	3814.74	92.82	3721.92	113.05
MW-O	9/15/2008	3814.74	102.30	3712.44	113.05
MW-O	1/26/2009	3814.74	92.41	3722.33	113.05
MW-O	7/9/2009	3814.74	103.69	3711.05	113.05
MW-O	1/25/2010	3814.74	97.04	3717.70	112.47
MW-O	7/6/2010	3814.74	104.52	3710.22	112.47
MW-O	1/27/2011	3814.74	100.46	3714.28	
MW-O	7/11/2011	3814.74	DRY		
MW-P	6/15/2005	3814.24	88.88	3725.36	113.05
MW-P	7/25/2005	3814.24	96.83	3717.41	113.05
MW-P	9/19/2005	3814.24	92.73	3721.51	113.05
MW-P	12/5/2005	3814.24	89.84	3724.40	113.05
MW-P	5/9/2007	3814.24	93.07	3721.17	113.05
MW-P	9/27/2007	3814.24	94.58	3719.66	113.05
MW-P	6/13/2008	3814.24	98.30	3715.94	113.05
MW-P	9/15/2008	3814.24	101.73	3712.51	113.05
MW-P	1/26/2009	3814.24	91.62	3722.62	113.05
MW-P	7/9/2009	3814.24	103.99	3710.25	113.05
MW-P	1/25/2010	3814.24	96.05	3718.19	112.90
MW-P	7/6/2010	3814.24	104.93	3709.31	112.90
MW-P	1/27/2011	3814.24	99.60	3714.64	
MW-P	7/11/2011	3814.24	111.72	3702.52	
MW-Q	7/25/2005	3814.23	96.81	3717.42	108.07
MW-Q	9/19/2005	3814.23	90.00	3724.23	108.07
MW-Q	12/5/2005	3814.23	87.53	3726.70	108.07
MW-Q	5/9/2007	3814.23	90.43	3723.80	108.07
MW-Q	9/27/2007	3814.23	92.23	3722.00	108.07
MW-Q	6/13/2008	3814.23	98.61	3715.62	108.07
MW-Q	9/15/2008	3814.23	98.08	3716.15	108.07
MW-Q	1/26/2009	3814.23	90.52	3723.71	108.07
MW-Q	7/9/2009	3814.23	103.51	3710.72	108.07
MW-Q	1/25/2010	3814.23	94.13	3720.10	108.41
MW-Q	7/6/2010	3814.23	101.92	3712.31	108.41
MW-Q	1/27/2011	3814.23	97.60	3716.63	
MW-Q	7/11/2011	3814.23	DRY		
MW-R	9/19/2005	3810.89	91.19	3719.70	152.93
MW-R	12/5/2005	3810.89	87.71	3723.18	152.93
MW-R	5/9/2007	3810.89	90.83	3720.06	152.93
MW-R	9/27/2007	3810.89	92.83	3718.06	152.93
MW-R	6/13/2008	3810.89	98.18	3712.71	152.93

TABLE I

**CUMULATIVE SUMMARY OF FLUID LEVEL MEASUREMENTS
LOVINGTON PADDOCK GROUNDWATER REMEDIATION SITE
SECTION 1-T17S-R36E, LEA COUNTY, NM**

<i>Well ID</i>	<i>Date Measured</i>	<i>Elevation of TOC (famsl)</i>	<i>Depth to Water (fbtoc)</i>	<i>Water Elevation (famsl)</i>	<i>Total Depth (fbtoc)</i>
MW-R	9/15/2008	3810.89	100.76	3710.13	152.93
MW-R	1/26/2009	3810.89	88.57	3722.32	152.93
MW-R	7/9/2009	3810.89	105.25	3705.64	152.93
MW-R	1/25/2010	3810.89	93.88	3717.01	152.29
MW-R	7/6/2010	3810.89	103.95	3706.94	152.29
MW-R	1/26/2011	3810.89	97.58	3713.31	
MW-R	7/11/2011	3810.89	108.64	3702.25	
MW-S	5/9/2007	3816.52	87.07	3729.45	122.73
MW-S	10/1/2007	3816.52	87.85	3728.67	122.73
MW-S	6/13/2008	3816.52	88.58	3727.94	122.73
MW-S	9/15/2008	3816.52	91.27	3725.25	122.73
MW-S	1/26/2009	3816.52	87.74	3728.78	122.73
MW-S	7/9/2009	3816.52	91.86	3724.66	122.73
MW-S	1/25/2010	3816.52	91.11	3725.41	122.77
MW-S	7/6/2010	3816.52	93.92	3722.60	122.77
MW-S	1/25/2011	3816.52	93.60	3722.92	
MW-S	7/11/2011	3816.52	98.00	3718.52	
MW-T	5/9/2007	3816.71	N/A ²	N/A ²	
MW-T	7/7/2008	3816.71	94.43	3722.28	
MW-T	9/15/2008	3816.71	96.81	3719.90	
MW-T	1/26/2009	3816.71	92.39	3724.32	122.17
MW-T	7/9/2009	3816.71	97.92	3718.79	122.17
MW-T	7/6/2010	3816.71	99.58	3717.13	122.17
MW-T	1/27/2011	3816.71	97.69	3719.02	122.17
MW-T	7/11/2011	3816.71	105.15	3711.56	122.17
MW-U	5/9/2007	3814.94	91.76	3723.18	123.10
MW-U	9/27/2007	3814.94	93.09	3721.85	123.10
MW-U	6/13/2008	3814.94	96.34	3718.60	123.10
MW-U	9/15/2008	3814.94	99.07	3715.87	123.10
MW-U	1/26/2009	3814.94	91.19	3723.75	123.10
MW-U	7/9/2009	3814.94	101.27	3713.67	123.10
MW-U	1/25/2010	3814.94	95.12	3719.82	123.09
MW-U	7/6/2010	3814.94	102.33	3712.61	123.09
MW-U	1/25/2011	3814.94	98.38	3716.56	
MW-U	7/11/2011	3814.94	109.63	3705.31	
MW-V	5/9/2007	3815.04	92.17	3722.87	122.79
MW-V	9/27/2007	3815.04	93.48	3721.56	122.79
MW-V	6/13/2008	3815.04	96.14	3718.90	122.79
MW-V	9/15/2008	3815.04	99.61	3715.43	122.79
MW-V	1/26/2009	3815.04	91.31	3723.73	122.79

TABLE I

**CUMULATIVE SUMMARY OF FLUID LEVEL MEASUREMENTS
LOVINGTON PADDOCK GROUNDWATER REMEDIATION SITE
SECTION 1-T17S-R36E, LEA COUNTY, NM**

<i>Well ID</i>	<i>Date Measured</i>	<i>Elevation of TOC (famsl)</i>	<i>Depth to Water (fbtoc)</i>	<i>Water Elevation (famsl)</i>	<i>Total Depth (fbtoc)</i>
MW-V	7/9/2009	3815.04	101.25	3713.79	122.79
MW-V	1/25/2010	3815.04	95.45	3719.59	122.84
MW-V	7/6/2010	3815.04	102.80	3712.24	122.84
MW-V	1/25/2011	3815.04	98.75	3716.29	
MW-V	7/11/2011	3815.04	109.80	3705.24	
MW-W	5/9/2007	3815.09	92.76	3722.33	122.05
MW-W	9/27/2007	3815.09	94.06	3721.03	122.05
MW-W	6/13/2008	3815.09	96.37	3718.72	122.05
MW-W	9/15/2008	3815.09	100.23	3714.86	122.05
MW-W	1/26/2009	3815.09	91.72	3723.37	122.05
MW-W	7/9/2009	3815.09	101.58	3713.51	122.05
MW-W	1/25/2010	3815.09	95.98	3719.11	133.15
MW-W	7/6/2010	3815.09	103.41	3711.68	133.15
MW-W	1/26/2011	3815.09	99.24	3715.85	
MW-W	7/11/2011	3815.09	110.25	3704.84	
MW-D2	5/9/2007	3815.93	91.63	N/A ³	204.00
MW-D2	9/26/2007	3815.93	92.79		
MW-D2	6/13/2008	3815.93	94.93		
MW-D2	9/15/2008	3815.93	97.77	N/A ³	204.00
MW-D2	1/26/2009	3815.93	91.12	3724.81	204.00
MW-D2	7/9/2009	3815.93	99.30	3716.63	204.00
MW-D2	1/25/2010	3815.93	95.27	3720.66	204.00
MW-D2	7/6/2010	3815.93	100.93	3715.00	204.00
MW-D2	1/26/2011	3815.93	97.76	3718.17	
MW-D2	7/11/2011	3815.93	109.10	3706.83	

Notes:

1. Wells with treatment equipment present were not gauged.
2. Well was converted to a biosparge well.
3. Wells had not been surveyed as of gauging date.
4. famsl = feet above mean sea level.

TABLE II
CUMULATIVE SUMMARY OF DISSOLVED-PHASE HYDROCARBONS IN GROUNDWATER
LOVINGTON PADDOCK GROUNDWATER REMEDIATION SITE
SECTION 1-T17S-R36E, LEA COUNTY, NM

Sample Location	Date of measurement	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)	TPH (mg/L)	Notes
NMWQCC HHSGR		0.01	0.75	0.75	0.62				
BW-1	6/16/2005	<0.005	<0.005	<0.005	<0.005				
BW-1	7/27/2005	<0.001	<0.001	<0.001	<0.001				
BW-1	9/21/2005	<0.001	<0.001	<0.001	<0.001				
BW-1	12/9/2005	0.184	0.24	0.0458	0.172				
BW-1	7/2/2008	0.0052	0.0018	0.0007	0.0018	0.027	0.077		
BW-1	9/18/2008	0.0022	0.0014	0.0007 J	0.0015 J	<0.02	0.076 J		
BW-1	2/11/2009	0.0004	0.0002 J	0.0002 J	<0.0006	<0.02	0.031		
BW-1	7/14/2009	<0.0002	<0.0002	0.0003 J	<0.0006	0.035 J	0.13		
BW-1	1/26/2010	<0.0002	0.0002 J	<0.0002	<0.0006	<0.02	0.073 J		
BW-1	7/7/2010	<0.0002	0.0003 J	<0.0002	<0.0006	<0.02	0.070 J		
BW-1	1/25/2011	<0.001	<0.0010	<0.0010	<0.0030	<0.0500	<0.050		
BW-1	7/13/2011	<0.001	<0.0020	<0.0010	<0.0010	<1.5	<1.5		
BW-2	6/16/2005	0.0039	0.0026	<0.001	0.001				
BW-2	7/27/2005	<0.001	<0.001	<0.001	<0.001				
BW-2	9/21/2005	<0.001	<0.001	<0.001	<0.001				
BW-2	12/9/2005	0.076	0.117	0.0272	0.0981				
BW-2	7/2/2008	0.0099	0.0025	0.0009	0.0022	0.043	0.11		
BW-2	9/18/2008	0.0016	0.0011	0.0003 J	0.0009 J	<0.02	<0.033		
BW-2	2/11/2009	0.0002 J	<0.0002	<0.0002	<0.0006	<0.02	<0.031		
BW-2	7/16/2009	0.018	0.0002 J	0.0019	0.0009 J	0.087	0.64		
BW-2	7/13/2010	0.13	0.038	0.0061	0.013	0.37	0.13		
BW-2	1/27/2011	0.005	0.0028	<0.0010	<0.0030	<0.0500	0.025 J		
BW-2	7/14/2011	0.00139	<0.0020	<0.0010	<0.0010	<1.5	<1.5		
BW-3	6/16/2005	4.25	0.11	<0.1	<0.1				
BW-3	7/27/2005	<0.001	<0.001	<0.001	<0.001				
BW-3	9/22/2005	<0.001	<0.001	<0.001	<0.001				
BW-3	12/9/2005	0.0508	0.0769	0.0182	0.0724				
BW-3	7/2/2008	0.0073	0.0024	0.001	0.0023	0.035	0.095		
BW-3	9/18/2008	0.0029	0.0017	0.0004 J	0.0012 J	<0.02	<0.033		
BW-3	2/11/2009	0.0003 J	0.0002 J	<0.0002	<0.0006	<0.02	<0.031		
BW-3	7/16/2009	0.012	<0.0002	0.0016	0.0007 J	0.063	0.13		
BW-3	1/27/2011								
BW-3	7/14/2011	0.0151	0.00774	0.00156	<0.0010	<1.5	<1.5		NS--Junk
MW-A	6/16/2005	0.0348	0.0034	<0.001	<0.001				
MW-A	7/26/2005								NS--Dry
MW-A	9/20/2005								NS
MW-A	12/8/2005	0.0206	0.0887	0.0159	0.0858				Casing Collapsed
MW-A	7/1/2008								
MW-B	6/16/2005	0.713	0.0266	<0.02	<0.02				
MW-B	7/26/2005	0.546	0.917	0.0902	0.485				
MW-B	9/20/2005	0.312	0.454	0.0344	0.236				
MW-B	12/8/2005	0.103	0.172	<0.02	0.115				
MW-B	5/17/2007	0.086	0.0076	0.0005	0.003	0.3	0.088		
MW-B	10/2/2007	0.068	0.003	0.0003	0.0009			1.3	
MW-B	6/30/2008	0.67	0.025	0.0028	0.02	1.7	0.087**		
MW-B	9/17/2008	0.11	0.0041 J	0.0019 J	0.0081 J	0.34	<0.032		
MW-B	2/3/2009	0.041	0.0019	0.0004 J	0.0014 J	0.095	<0.056		
MW-B	7/15/2009	0.034	<0.0002	0.0013	<0.0006	0.14	0.09 J		
MW-B	1/27/2010	0.048	0.0032	<0.0002	0.0016 J	0.28	0.1		
MW-B	7/12/2010	0.077	0.0029	<0.0002	0.0016 J	0.26	0.063 J		
MW-B	1/27/2011	0.36	0.0096	<0.0010	0.0064	0.914	0.073		
MW-B	7/13/2011								NS--Dry
MW-C	6/15/2005	<0.005	<0.005	<0.005	<0.005				
MW-C	7/26/2005	0.414	0.543	0.0885	0.266				
MW-C	9/21/2005	0.239	0.317	0.0599	0.17				
MW-C	12/8/2005	0.0472	0.0741	0.0162	0.0592				
MW-C	5/17/2007	0.012	0.0049	0.0006	0.0019	0.062	0.095		
MW-C	10/2/2007	0.029	0.011	0.0011	0.003			<0.095	
MW-C	6/30/2008	0.019	0.0053	0.0011	0.0016	0.075	0.26		
MW-C	9/17/2008	0.0029	0.0014	0.0006 J	0.0015 J	0.025 J	0.068 J		

TABLE II
CUMULATIVE SUMMARY OF DISSOLVED-PHASE HYDROCARBONS IN GROUNDWATER
LOVINGTON PADDOCK GROUNDWATER REMEDIATION SITE
SECTION 1-T17S-R36E, LEA COUNTY, NM

Sample Location	Date of measurement	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)	TPH (mg/L)	Notes
NMWQCC HHSGR		0.01	0.75	0.75	0.62				
MW-C	2/5/2009	0.0086	0.0036	0.0007 J	0.0019 J	0.039 J	<0.032		NS--Dry
MW-C	7/14/2009	0.0071	0.0002 J	0.0014	0.0006 J	0.093	0.09 J		
MW-C	1/27/2010	0.0021	0.0003 J	<0.0002	<0.0006	<0.02	0.061 J		
MW-C	7/12/2010	0.0005 J	0.0004 J	<0.0002	<0.0006	0.033 J	0.096 J		
MW-C	1/27/2011	0.0025	0.0011	<0.0010	<0.0030	<0.0500	0.024 J		
MW-C	7/13/2011								
MW-D	5/15/2007	<0.002	<0.002	<0.002	<0.006	<0.02	<0.028	<0.094	NS--Dry
MW-D	9/27/2007	<0.002	<0.002	<0.002	<0.006				
MW-D	6/30/2008	0.039	0.0073	0.0013	0.0013	0.095	0.13		
MW-D	9/16/2008	0.0013	0.001 J	0.0005 J	0.0012 J	<0.02	0.088 J		
MW-D	2/4/2009	0.0081	0.0023	0.0007 J	0.0019 J	0.034 J	<0.031		
MW-D	7/13/2009	<0.0002	<0.0002	<0.0002	<0.0006	0.044 J	0.13		
MW-D	1/27/2010	<0.0002	<0.0002	<0.0002	<0.0006	<0.02	0.046 J		
MW-D	7/8/2010	<0.0002	0.0004 J	<0.0002	<0.0006	0.028 J	0.16		
MW-D	1/25/2011	<0.0010	<0.0010	<0.0010	<0.0030	<0.0500	<0.050		
MW-D	7/13/2011								
MW-E	6/15/2005	<0.005	<0.005	<0.005	<0.005			<0.094	NS--Dry
MW-E	5/16/2007	<0.002	<0.002	<0.002	<0.006	<0.02	<0.028		
MW-E	9/27/2007	<0.002	<0.002	<0.002	<0.006				
MW-E	7/1/2008	0.017	0.005	0.001	0.0011	0.049	0.041		
MW-E	9/17/2008	0.01	0.0059	0.0006 J	0.0034	0.055	<0.03		
MW-E	2/11/2009	0.0008 J	0.0004 J	0.0003 J	0.0007 J	<0.02	<0.031		
MW-E	7/15/2009	<0.0002	<0.0002	0.0002 J	<0.0006	0.044 J	0.33		
MW-E	1/27/2010	<0.0002	<0.0002	<0.0002	<0.0006	<0.02	0.062 J		
MW-E	7/8/2010	<0.0002	0.0004 J	<0.0002	<0.0006	<0.02	0.080 J		
MW-E	1/26/2011	<0.0010	<0.0010	<0.0010	<0.0030	<0.0500	<0.050		
MW-E	7/13/2011								
MW-F	6/15/2005	<0.005	<0.005	<0.005	<0.005			<0.096	NS--Insufficient water
MW-F	5/16/2007	<0.002	<0.002	<0.002	<0.006	<0.02	<0.028		
MW-F	9/27/2007	<0.002	<0.002	<0.002	<0.006				
MW-F	7/2/2008	0.013	0.0036	0.0007	0.0008	0.039	0.044		
MW-F	9/17/2008	0.0074	0.0042	0.0005 J	0.0025 J	0.039 J	<0.031		
MW-F	2/11/2009	0.0004 J	0.0002 J	<0.0002	<0.0006	<0.02	<0.031		
MW-F	7/14/2009	<0.0002	<0.0002	<0.0002	<0.0006	<0.02	0.079 J		
MW-F	1/26/2010	<0.0002	<0.0002	<0.0002	<0.0006	<0.02	0.063 J		
MW-F	7/7/2010	0.0002 J	0.0003 J	<0.0002	<0.0006	<0.02	0.11		
MW-F	1/25/2011	<0.0010	<0.0010	<0.0010	<0.0030	<0.0500	<0.050		
MW-F	7/13/2011								
MW-G	6/15/2005	<0.005	<0.005	<0.005	<0.005			<0.096	
MW-G	5/16/2007	<0.002	<0.002	<0.002	<0.006	<0.02	<0.028		
MW-G	10/1/2007	<0.002	<0.002	<0.002	<0.006				
MW-G	7/2/2008	0.0081	0.0025	0.0006	0.0006	0.026	<0.029		
MW-G	9/17/2008	0.024	0.013	0.001	0.0057	0.11	<0.031		
MW-G	2/11/2009	0.0012	0.0005 J	0.0003 J	0.0009 J	<0.02	<0.031		
MW-G	7/15/2009	<0.0002	<0.0002	<0.0002	<0.0006	<0.02	0.11		
MW-G	1/26/2010	<0.0002	<0.0002	<0.0002	<0.0006	<0.02	0.054 J		
MW-G	7/7/2010	0.0002 J	0.0003 J	<0.0002	<0.0006	<0.02	0.073 J		
MW-G	1/25/2011	<0.0010	<0.0010	<0.0010	<0.0030	<0.0500	<0.050		
MW-G	7/14/2011	<0.0010	<0.0020	<0.0010	<0.0010	<1.5	<1.5		
MW-H	6/15/2005	0.492	0.0219	<0.02	<0.02			<0.094	
MW-H	7/26/2005	1.93	2.01	0.144	0.677				
MW-H	9/20/2005	2.35	2.54	0.188	0.932				
MW-H	12/6/2005	3.89	2.72	0.202	0.815				
MW-H	5/17/2007	0.73	0.082	0.0089	0.031	2.4	0.2		
MW-H	10/2/2007	0.2	0.037	0.0027	0.01				
MW-H	7/2/2008	0.14	0.022	0.0018	0.006	0.36	0.036		
MW-H	9/17/2008	0.26	0.077	0.0032	0.022	0.86	0.036 J		
MW-H	2/3/2009	0.49	0.056	0.0075	0.022	1.2	0.078 J		
MW-H	7/15/2009	0.25	0.0018	0.027	0.012	0.64	0.068 J		

TABLE II
CUMULATIVE SUMMARY OF DISSOLVED-PHASE HYDROCARBONS IN GROUNDWATER
LOVINGTON PADDOCK GROUNDWATER REMEDIATION SITE
SECTION 1-T17S-R36E, LEA COUNTY, NM

Sample Location	Date of measurement	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)	TPH (mg/L)	Notes
NMWQCC HHSGR		0.01	0.75	0.75	0.62				
MW-H	1/27/2010	0.6	0.061	0.0025	0.017	1.7	0.16		
MW-H	7/13/2010	0.71	0.032	0.0016 J	0.0079 J	1.5	0.094 J		
MW-H	1/27/2011	4.6	0.28	0.0066	0.055	8.48	0.15		
MW-H	7/13/2011								NS--Dry
MW-I	6/15/2005	0.378	0.0124	<0.01	<0.01				
MW-I	7/26/2005	1.1	1.4	0.067	0.491				
MW-I	9/20/2005	0.555	0.801	0.0253	0.375				
MW-I	12/6/2005	0.496	0.611	0.0287	0.238				
MW-I	5/17/2007	0.067	0.032	0.0009	0.007	0.26	0.053		
MW-I	10/1/2007	0.033	0.01	<0.002	0.002			<0.097	
MW-I	7/1/2008	0.086	0.034	0.0017	0.0059	0.3	0.063		
MW-I	9/17/2008	0.0042	0.0022	0.0007 J	0.0019 J	0.029 J	0.091 J		
MW-I	2/5/2009	0.012	0.0056	0.0005 J	0.0021 J	0.058	<0.031		
MW-I	7/14/2009	0.011	0.0002 J	0.004	0.001 J	0.091	0.1		
MW-I	1/27/2010	0.03	0.012	0.0004 J	0.0025 J	0.13	0.065 J		
MW-I	7/12/2010	0.041	0.0028	0.0003 J	0.0014 J	0.14	0.047 J		
MW-I	1/27/2011	0.0025	0.0018	<0.0010	<0.0030	0.0448 J	<0.050		
MW-I	7/14/2011	4.19	0.994	0.049	0.356	6.12	<1.5		
MW-I									
MW-J	12/6/2005	<0.005	<0.005	<0.005	<0.005				
MW-J	5/15/2007	0.0015	<0.002	<0.002	<0.006	<0.02	<0.028		
MW-J	10/1/2007	0.0005	<0.002	<0.002	<0.006			<0.096	
MW-J	6/30/2008	0.038	0.0073	0.0014	0.0014	0.093	0.28		
MW-J	9/16/2008	0.0012	0.0008 J	0.0005 J	0.0011 J	<0.02	0.093 J		
MW-J	2/4/2009	0.0078	0.0022	0.0007 J	0.0019 J	0.032 J	<0.031		
MW-J	7/13/2009	<0.0002	<0.0002	<0.0002	<0.0006	0.035 J	0.11		
MW-J	1/26/2010	<0.0002	<0.0002	<0.0002	<0.0006	<0.02	0.056 J		
MW-J	7/7/2010	<0.0002	0.0002 J	<0.0002	<0.0006	<0.02	0.062 J		
MW-J	1/25/2011	<0.0010	<0.0010	<0.0010	<0.0030	<0.0500	<0.050		
MW-J	7/14/2011	<0.0010	<0.0020	<0.0010	<0.0010	<1.5	<1.5		
MW-L	6/15/2005	<0.005	<0.005	<0.005	<0.005				
MW-L	5/15/2007	<0.002	<0.002	<0.002	<0.006	<0.02	0.038		
MW-L	10/1/2007	<0.002	<0.002	<0.002	<0.006			<0.093	
MW-L	7/1/2008	0.018	0.0031	0.001	0.0025	0.063	0.089		
MW-L	9/16/2008	0.0019	0.0012	<0.0006	<0.0015	<0.02	0.13		
MW-L	2/4/2009	0.011	0.003	0.0009 J	0.0024 J	0.041 J	0.042 J		
MW-L	7/14/2009	0.0003 J	<0.0002	0.0002 J	<0.0006	0.033 J	0.079 J		
MW-L	1/27/2010	<0.0002	<0.0002	<0.0002	<0.0006	<0.02	0.037 J		
MW-L	7/12/2010	<0.0002	<0.0003 J	<0.0002	<0.0006	<0.02	0.051 J		
MW-L	1/27/2011	<0.0010	<0.0010	<0.0010	<0.0030	<0.0500	<0.050		
MW-L	7/14/2011	<0.0010	<0.0020	<0.0010	<0.0010	<1.5	<1.5		
MW-M	6/15/2005	<0.005	<0.005	<0.005	<0.005				
MW-M	5/15/2007	<0.002	<0.002	<0.002	<0.006	<0.02	<0.028		
MW-M	10/1/2007	<0.002	<0.002	<0.002	<0.006			<0.096	
MW-M	6/30/2008	0.042	0.004	0.0011	0.0032	0.11	0.034**		
MW-M	9/16/2008	0.0023	0.0013	0.0006 J	0.0014 J	0.022	0.13		
MW-M	2/4/2009	0.013	0.0031 J	0.001 J	0.0025 J	0.053	0.036 J		
MW-M	7/15/2009	<0.0002	<0.0002	<0.0002	<0.0006	<0.02	0.071 J		
MW-M	1/25/2010	<0.0002	<0.0002	<0.0002	<0.0006	<0.02	0.25		
MW-M	7/6/2010	0.0003 J	0.0003 J	<0.0002	<0.0006	<0.02	0.1		
MW-M	1/25/2011	<0.0010	<0.0010	<0.0010	<0.0030	<0.0500	<0.050		
MW-M	7/13/2011	<0.0010	<0.0020	<0.0010	<0.0010	<1.5	<1.5		
MW-M									
MW-N	6/15/2005	<0.001	<0.001	<0.001	<0.001				
MW-N	7/26/2005	0.0059	<0.005	<0.005	<0.005				
MW-N	9/21/2005	0.0076	<0.001	<0.001	<0.001				
MW-N	12/6/2005	<0.001	<0.001	<0.001	<0.001				
MW-N	5/17/2007	0.0013	0.0007	0.0002	<0.006	0.032	0.067		
MW-N	10/2/2007	<0.002	<0.002	<0.002	<0.006			<0.095	
MW-N	6/30/2008	0.011	0.0031	0.0008	0.0009	0.056	0.05		
MW-N	9/17/2008	0.0014	0.0011	0.0007 J	0.0016 J	<0.02	0.073		

TABLE II
CUMULATIVE SUMMARY OF DISSOLVED-PHASE HYDROCARBONS IN GROUNDWATER
LOVINGTON PADDOCK GROUNDWATER REMEDIATION SITE
SECTION 1-T17S-R36E, LEA COUNTY, NM

Sample Location	Date of measurement	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)	TPH (mg/L)	Notes
NMWQCC HHSGR		0.01	0.75	0.75	0.62				
MW-N	2/5/2009	0.0051	0.0025	0.0006 J	0.0014 J	0.031 J	0.034 J		
MW-N	7/13/2009	<0.0002	<0.0002	<0.0002	<0.0006	0.079	0.32		
MW-N	1/26/2010	<0.0002	<0.0002	<0.0002	<0.0006	<0.02	0.041 J		
MW-N	7/8/2010	<0.0002	0.0003 J	<0.0002	<0.0006	<0.02	0.062 J		
MW-N	1/26/2011	<0.0010	<0.0010	<0.0010	<0.0030	<0.0500	<0.050		
MW-N	7/14/2011	<0.0010	<0.0020	<0.0010	<0.0010	<1.5	<1.5		
MW-O	7/25/2005	0.0035	<0.001	<0.001	<0.001				
MW-O	9/21/2005	0.0102	<0.001	<0.001	<0.001				
MW-O	12/8/2005	0.0045	<0.001	<0.001	<0.001				
MW-O	5/14/2007	0.0072	<0.002	<0.002	<0.006	0.043	0.13		
MW-O	10/2/2007	0.0012	0.001	<0.002	<0.006			<0.093	
MW-O	6/30/2008	0.04	0.01	0.0065	0.011	0.15	0.280**		
MW-O	9/16/2008	<0.0002	<0.0002	<0.0002	<0.0006	<0.02	<0.031		
MW-O	2/2/2009	<0.0002	0.0012	0.0005 J	0.0011 J	<0.02	0.063 J		
MW-O	7/13/2009	<0.0002	<0.0002	0.0003 J	<0.0006	0.1	0.36		
MW-O	1/26/2010	<0.0002	<0.0002	<0.0002	<0.0006	<0.02	<0.031		
MW-O	7/8/2010	<0.0002	0.0003 J	<0.0002	<0.0006	<0.02	0.053 J		
MW-O	1/27/2011	<0.0010	<0.0010	<0.0010	<0.0030	<0.0500	<0.050		
MW-O	7/13/2011								NS--Dry
MW-P	6/15/2005	1.92	<0.05	<0.05	<0.05				
MW-P	7/25/2005	0.179	<0.001	<0.001	<0.001				
MW-P	9/19/2005	<0.001	<0.001	<0.001	<0.001				
MW-P	12/8/2005	<0.001	<0.001	<0.001	<0.001				
MW-P	5/14/2007	<0.002	<0.002	<0.002	<0.006	<0.02	0.028		
MW-P	9/27/2007	<0.002	<0.002	<0.002	<0.006			<0.094	
MW-P	6/17/2008	<0.002	0.003	<0.002	<0.006	<0.037	<0.062		
MW-P	9/16/2008	<0.0002	<0.0002	<0.0002	<0.0006	<0.02	<0.031		
MW-P	2/2/2009	<0.0002	0.0033	0.0005 J	0.0011 J	<0.02	0.049 J		
MW-P	7/13/2009	0.0011	<0.0002	0.0003 J	<0.0006	0.31	4.7		
MW-P	1/27/2010	<0.0002	<0.0002	<0.0002	<0.0006	<0.02	<0.031		
MW-P	7/12/2010	<0.0002	0.0004 J	<0.0002	<0.0006	0.024 J	0.074 J		
MW-P	1/27/2011	<0.0010	<0.0010	<0.0010	<0.0030	<0.0500	<0.050		
MW-P	7/14/2011	<0.0010	<0.0020	<0.0010	<0.0010	<1.5	<1.5		
MW-Q	7/25/2005	<0.001	<0.001	<0.001	<0.001				
MW-Q	9/21/2005	<0.001	<0.001	<0.001	<0.001				
MW-Q	12/6/2005	<0.001	<0.001	<0.001	<0.001				
MW-Q	5/14/2007	<0.002	<0.002	<0.002	<0.006	<0.02	<0.028		
MW-Q	9/27/2007	<0.002	<0.002	<0.002	<0.006			<0.094	
MW-Q	6/17/2008	0.005	0.006	0.003	0.006	<0.043	<0.062		
MW-Q	9/16/2008	<0.0002	<0.0002	<0.0002	<0.0006	<0.02	<0.031		
MW-Q	2/2/2009	<0.0002	0.0021	0.0003 J	0.0007 J	<0.02	0.048 J		
MW-Q	7/14/2009	<0.0002	<0.0002	0.0003 J	<0.0006	0.16	0.68		
MW-Q	1/26/2010	<0.0002	<0.0002	<0.0002	<0.0006	<0.02	0.031 J		
MW-Q	7/12/2010	<0.0002	0.0004 J	<0.0002	<0.0006	0.046 J	0.420 J		
MW-Q	1/27/2011	<0.0010	<0.0010	<0.0010	<0.0030	<0.0500	<0.050		
MW-Q	7/13/2011								NS--Dry
MW-R	8/12/2005	<0.001	<0.001	<0.001	<0.001				
MW-R	9/19/2005	<0.001	<0.001	<0.001	<0.001				
MW-R	12/8/2005	<0.001	<0.001	<0.001	<0.001				
MW-R	5/14/2007	<0.002	<0.002	<0.002	<0.006	<0.02	0.028		
MW-R	9/27/2007	<0.002	<0.002	<0.002	<0.006			<0.095	
MW-R	6/17/2008	<0.002	0.002	<0.002	<0.006	<0.061	<0.110		
MW-R	9/15/2008	<0.0002	0.000**	<0.0002	<0.0006	<0.02	<0.039		
MW-R	2/2/2009	0.0002 J	0.0005 J	0.0008 J	0.0016 J	0.028 J	0.074 J		
MW-R	7/14/2009	<0.0002	<0.0002	0.0002 J	<0.0006	0.049 J	0.13		
MW-R	1/27/2010	<0.0002	<0.0002	<0.0002	<0.0006	<0.02	0.041 J		
MW-R	7/8/2010	<0.0002	0.0004 J	<0.0002	<0.0006	<0.02	0.076 J		
MW-R	1/26/2011	<0.0010	<0.0010	<0.0010	<0.0030	<0.0500	<0.050		
MW-R	7/13/2011	<0.0010	<0.0020	<0.0010	<0.0010	<1.5	<1.5		

TABLE II
CUMULATIVE SUMMARY OF DISSOLVED-PHASE HYDROCARBONS IN GROUNDWATER
LOVINGTON PADDOCK GROUNDWATER REMEDIATION SITE
SECTION 1-T17S-R36E, LEA COUNTY, NM

Sample Location	Date of measurement	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)	TPH (mg/L)	Notes
NMWQCC HHSGR		0.01	0.75	0.75	0.62				
MW-S	7/27/2006	<0.0005	<0.0007	<0.0008	<0.0008	0.028	0.053	<0.095	
MW-S	5/14/2007	<0.002	<0.002	<0.002	<0.002	<0.02	0.39		
MW-S	10/1/2007	<0.002	<0.002	<0.002	<0.006				
MW-S	6/30/2008	0.039	0.0032	0.0005	0.0021	0.11	<0.043		
MW-S	9/16/2008	0.004	0.0018	0.0008 J	0.0019 J	0.029 J	0.35		
MW-S	2/4/2009	0.022	0.0048	0.0011	0.0031	0.072	0.044 J		
MW-S	7/15/2009	<0.0002	<0.0002	<0.0002	<0.0006	<0.02	0.050 J		
MW-S	1/25/2010	<0.0002	<0.0002	<0.0002	<0.0006	0.023 J	0.18 J		
MW-S	7/6/2010	0.0003 J	0.0002 J	<0.0002	<0.0006	<0.02	0.074 J		
MW-S	1/25/2011	<0.0010	<0.0010	<0.0010	<0.0030	<0.0500	<0.050		
MW-S	7/13/2011	<0.0010	<0.0020	<0.0010	<0.0010	<1.5	<1.5		
MW-T	7/27/2006	0.36	0.12	0.037	0.15	1.3	0.86		
MW-T	9/18/2008	0.0049	0.0028	0.0008 J	0.002 J	0.027 J	0.11		
MW-T	2/11/2009	0.0004 J	0.0003 J	<0.0002	<0.0006	<0.02	0.033 J		
MW-T	7/16/2009	0.0071	<0.0002	0.0013	0.0008 J	0.044 J	0.13		
MW-T	7/13/2010	0.84	0.18	0.026	0.055	2.4	0.070 J		
MW-T	1/27/2011	12	1.5	0.2	0.61	22.6	0.41		
MW-T	7/13/2011	4.49	0.448	0.0208	0.0576	8.17	<1.5		
MW-U	4/24/2007	<0.005	0.009	<0.008	<0.008	0.027	0.180*	<0.093	
MW-U	5/16/2007	<0.0002	<0.0002	<0.0002	<0.0006	0.027	0.18		
MW-U	9/27/2007	<0.002	<0.002	<0.002	<0.006				
MW-U	6/30/2008	0.004	0.0018	0.0009	0.0019	0.028	0.057**		
MW-U	9/17/2008	<0.0002	0.0003 J	0.0002 J	<0.0006	0.025 J	<0.032		
MW-U	2/3/2009	<0.0002	0.0021	0.0006 J	0.0013 J	<0.02	0.060 J		
MW-U	7/14/2009	<0.0002	<0.0002	<0.0002	<0.0006	0.034 J	0.1		
MW-U	1/26/2010	<0.0002	<0.0002	<0.0002	<0.0006	<0.02	0.049 J		
MW-U	7/7/2010	<0.0002	0.0003 J	<0.0002	<0.0006	<0.02	0.070 J		
MW-U	1/25/2011	<0.0010	<0.0010	<0.0010	<0.0030	<0.0500	<0.050		
MW-U	7/14/2011	<0.0010	<0.0020	<0.0010	<0.0010	<1.5	<1.5		
MW-V	4/24/2007	<0.005	<0.007	<0.008	<0.008	0.028*	0.310*	<0.094	
MW-V	5/16/2008	<0.001	<0.0002	<0.0002	<0.0006	0.028	0.31		
MW-V	9/27/2007	<0.002	<0.002	<0.002	<0.006				
MW-V	6/30/2008	0.011	0.0027	0.0012	0.0025	0.044	0.093**		
MW-V	9/16/2008	0.0045	<0.0002	<0.0002	<0.0006	0.023 J	0.064 J		
MW-V	2/2/2009	<0.0002	0.0078	0.0003 J	0.0007 J	0.023 J	0.066 J		
MW-V	7/13/2009	<0.0002	<0.0002	<0.0002	<0.0006	0.027 J	0.14		
MW-V	1/26/2010	<0.0002	<0.0002	<0.0002	<0.0006	<0.02	0.062 J		
MW-V	7/7/2010	<0.0002	0.0002 J	<0.0002	<0.0006	<0.02	0.070 J		
MW-V	1/25/2011	<0.0010	<0.0010	<0.0010	<0.0030	<0.0500	<0.050		
MW-V	7/14/2011	<0.0010	<0.0020	<0.0010	<0.0010	<1.5	<1.5		
MW-W	4/24/2007	<0.005	<0.007	<0.008	<0.008	0.037*	0.450*	<0.094	
MW-W	5/16/2007	<0.001	<0.0002	<0.0002	<0.0006	0.037	0.45		
MW-W	9/27/2007	<0.002	<0.002	<0.002	<0.006				
MW-W	6/30/2008	0.031	0.0035	0.0015	0.0032	0.092	0.130**		
MW-W	9/16/2008	0.0025	<0.0002	<0.0002	<0.0002	0.021 J	0.068 J		
MW-W	2/2/2009	<0.0002	0.0029	0.0004 J	0.0009 J	<0.02	0.078 J		
MW-W	7/13/2009	<0.0002	<0.0002	0.0003 J	<0.0006	0.093	0.33		
MW-W	1/26/2010	<0.0002	<0.0002	<0.0002	<0.0006	<0.02	0.039 J		
MW-W	7/7/2010	<0.0002	0.0003 J	<0.0002	<0.0006	<0.02	0.087 J		
MW-W	1/26/2011	<0.0010	<0.0010	<0.0010	<0.0030	<0.0500	<0.050		
MW-W	7/13/2011	<0.0010	<0.0020	<0.0010	<0.0010	<1.5	<1.5		
MW-D2	5/15/2007	<0.002	<0.002	<0.002	<0.006	<0.02	<0.028	<0.096	
MW-D2	9/27/2007	<0.002	<0.002	<0.002	<0.006				
MW-D2	6/30/2008	0.026	0.0046	0.0009	0.0009	0.061	0.036		
MW-D2	9/17/2008	0.0011	0.0008 J	0.0007 J	0.0015 J	<0.02	0.052 J		
MW-D2	2/4/2009	0.0067	0.0031	0.0006 J	0.0016 J	0.030 J	<0.031		
MW-D2	7/13/2009	<0.0002	<0.0002	<0.0002	<0.0006	0.023 J	0.086 J		
MW-D2	1/26/2010	<0.0002	<0.0002	<0.0002	<0.0006	<0.02	0.049 J		
MW-D2	7/7/2010	<0.0002	0.0002 J	<0.0002	<0.0006	<0.02	0.060 J		

TABLE II
CUMULATIVE SUMMARY OF DISSOLVED-PHASE HYDROCARBONS IN GROUNDWATER
LOVINGTON PADDOCK GROUNDWATER REMEDIATION SITE
SECTION 1-T17S-R36E, LEA COUNTY, NM

Sample Location	Date of measurement	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)	TPH (mg/L)	Notes
NMWQCC HHSGR		0.01	0.75	0.75	0.62				
MW-D2	1/26/2011	<0.0010	<0.0010	<0.0010	<0.0030	<0.0500	<0.050		
MW-D2	7/14/2011	<0.0010	<0.0020	<0.0010	<0.0010	<1.5	<1.5		
MW-D2									
DUP1 (MW-D)	1/25/2011	<0.0010	<0.0010	<0.0010	<0.0030	<0.0500	<0.050		
DUP-1 (MW-N)	7/14/2011	<0.0010	<0.0020	<0.0010	<0.0010	<1.5	<1.5		
DUP11 (MW-C)	1/25/2011	0.0024	0.00099 J	<0.0010	<0.0030	<0.0500	0.036 J		
DUP-2 (BW-2)	7/14/2011	<0.0010	<0.0020	<0.0010	<0.0010	<1.5	<1.5		
Trip Blank	1/26/2011	<0.0010	<0.0010	<0.0010	<0.0030				
Notes: 1. mg/L - milligrams per liter 2. TPH - total petroleum hydrocarbons 3. TPH GRO - total petroleum hydrocarbons gasoline range organic (C ₆ -C ₁₀) 4. TPH DRO - total petroleum hydrocarbons diesel range organic (>C ₁₀ -C ₂₈) 5. NMWQCC HHSGR - New Mexico Water Quality Control Commission Human Health for groundwater (NMAC 20.6.2.3103A) 6. J - estimated value which is greater than or equal to the method detection limit and less than the limit of quantitation (LOQ) or reporting limit 7. * - resampled on 05/16/2007 8. ** - resampled on 07/01/2008 9. NS = not sampled									

APPENDIX A



07-Feb-2011

Patricia Lynch
Conestoga-Rovers & Associates
6320 Rothway, Suite 100
Houston, TX 77040

Tel: (713) 734-3090
Fax: (713) 734-3391

Re: Lovington Paddock

Work Order: **1101811**

Dear Patricia,

ALS Environmental received 27 samples on 29-Jan-2011 for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 48.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

A handwritten signature in black ink that reads "R. Kevin Given".

Electronically approved by: Glenda H. Ramos

R. Kevin Given
Project Manager



Certificate No: TX: T104704231-10-3

ADDRESS 10450 Stancliff Rd, Suite 210 Houston, Texas 77099-4338 | PHONE (281) 530-5656 | FAX (281) 530-5887

DOV#JURXS#KVD /#FRUS#Sduw#k i#kh#DOV#Oderudwru|#J urxs#D #dp seha#Burwkhuv#Dp wng#Frp sdq|

Environmental The ALS logo, a stylized blue triangle with a yellow flame inside.

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ALS Environmental

Date: 07-Feb-11

Client: Conestoga-Rovers & Associates
Project: Lovington Paddock
Work Order: 1101811

Work Order Sample Summary

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
1101811-01	MW-S 012511	Water		1/25/2011 10:45	1/29/2011	☐
1101811-02	MW-M 012511	Water		1/25/2011 12:05	1/29/2011	☐
1101811-03	MW-F 012511	Water		1/25/2011 13:50	1/29/2011	☐
1101811-04	MW-G 012511	Water		1/25/2011 16:00	1/29/2011	☐
1101811-05	MW-D2 012611	Water		1/26/2011 10:50	1/29/2011	☐
1101811-06	MW-V 012511	Water		1/25/2011 11:06	1/29/2011	☐
1101811-07	MW-U 012511	Water		1/25/2011 12:05	1/29/2011	☐
1101811-08	MW-J 012511	Water		1/25/2011 13:15	1/29/2011	☐
1101811-09	BW-1 012511	Water		1/25/2011 14:13	1/29/2011	☐
1101811-10	MW-D 012511	Water		1/25/2011 15:28	1/29/2011	☐
1101811-11	MW-E 012611	Water		1/26/2011 11:45	1/29/2011	☐
1101811-12	MW-R 012611	Water		1/26/2011 12:34	1/29/2011	☐
1101811-13	MW-N 012611	Water		1/26/2011 13:41	1/29/2011	☐
1101811-14	MW-W 012611	Water		1/26/2011 14:40	1/29/2011	☐
1101811-15	MW-O 012711	Water		1/27/2011 09:58	1/29/2011	☐
1101811-16	MW-Q 012711	Water		1/27/2011 11:25	1/29/2011	☐
1101811-17	MW-L 012711	Water		1/27/2011 12:20	1/29/2011	☐
1101811-18	MW-P 012711	Water		1/27/2011 13:23	1/29/2011	☐
1101811-19	MW-C 012711	Water		1/27/2011 14:48	1/29/2011	☐
1101811-20	MW-I 012711	Water		1/27/2011 10:55	1/29/2011	☐
1101811-21	MW-B 012711	Water		1/27/2011 12:15	1/29/2011	☐
1101811-22	MW-H 012711	Water		1/27/2011 13:30	1/29/2011	☐
1101811-23	MW-T 012711	Water		1/27/2011 15:00	1/29/2011	☐
1101811-24	BW-2 012711	Water		1/27/2011 15:55	1/29/2011	☐
1101811-25	DUP1	Water		1/25/2011	1/29/2011	☐
1101811-26	DUP-11	Water		1/25/2011	1/29/2011	☐
1101811-27	Trip Blank	Water		1/26/2011	1/29/2011	☐

Client: Conestoga-Rovers & Associates
Project: Lovington Paddock
Work Order: 1101811

Case Narrative

Batch R104903, BTEX: Samples MW-H 012711 and MW-T 012711 could not be analyzed at a lower dilution due to the high concentration of non-target compounds.

Batch R104903, BTEX: The MS/MSD was performed on an unrelated sample.

ALS Environmental

Date: 07-Feb-11

Client: Conestoga-Rovers & Associates
Project: Lovington Paddock
Sample ID: MW-S 012511
Collection Date: 1/25/2011 10:45 AM

Work Order: 1101811
Lab ID: 1101811-01
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
TPH DRO/ORO							
			Method: SW8015M		Prep: SW3510C / 1/30/11		Analyst: RPM
TPH (Diesel Range)	U		0.020	0.050	mg/L	1	1/31/2011 11:34
TPH (Motor Oil Range)	U	n	0.020	0.10	mg/L	1	1/31/2011 11:34
Surr: 2-Fluorobiphenyl	97.4			70-130	%REC	1	1/31/2011 11:34
GASOLINE RANGE ORGANICS							
			Method: SW8015				Analyst: KKP
Gasoline Range Organics	U		0.020	0.0500	mg/L	1	2/2/2011 20:06
Surr: 4-Bromofluorobenzene	105			70-130	%REC	1	2/2/2011 20:06
BTEX							
			Method: SW8021B				Analyst: KKP
Benzene	U		0.20	1.0	µg/L	1	2/3/2011 02:48
Toluene	U		0.20	1.0	µg/L	1	2/3/2011 02:48
Ethylbenzene	U		0.20	1.0	µg/L	1	2/3/2011 02:48
Methyl tert-butyl ether	U		1.0	5.0	µg/L	1	2/3/2011 02:48
Xylenes, Total	U		0.70	3.0	µg/L	1	2/3/2011 02:48
Surr: 4-Bromofluorobenzene	91.6			77-129	%REC	1	2/3/2011 02:48
Surr: Trifluorotoluene	105			75-130	%REC	1	2/3/2011 02:48

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 07-Feb-11

Client: Conestoga-Rovers & Associates
Project: Lovington Paddock
Sample ID: MW-M 012511
Collection Date: 1/25/2011 12:05 PM

Work Order: 1101811
Lab ID: 1101811-02
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
TPH DRO/ORO							
			Method: SW8015M		Prep: SW3510C / 1/30/11		Analyst: RPM
TPH (Diesel Range)	U		0.020	0.050	mg/L	1	1/31/2011 11:54
TPH (Motor Oil Range)	U	n	0.020	0.10	mg/L	1	1/31/2011 11:54
Surr: 2-Fluorobiphenyl	97.9			70-130	%REC	1	1/31/2011 11:54
GASOLINE RANGE ORGANICS							
			Method: SW8015				Analyst: KKP
Gasoline Range Organics	U		0.020	0.0500	mg/L	1	2/2/2011 20:21
Surr: 4-Bromofluorobenzene	107			70-130	%REC	1	2/2/2011 20:21
BTEX							
			Method: SW8021B				Analyst: KKP
Benzene	U		0.20	1.0	µg/L	1	2/3/2011 03:06
Toluene	U		0.20	1.0	µg/L	1	2/3/2011 03:06
Ethylbenzene	U		0.20	1.0	µg/L	1	2/3/2011 03:06
Methyl tert-butyl ether	U		1.0	5.0	µg/L	1	2/3/2011 03:06
Xylenes, Total	U		0.70	3.0	µg/L	1	2/3/2011 03:06
Surr: 4-Bromofluorobenzene	90.1			77-129	%REC	1	2/3/2011 03:06
Surr: Trifluorotoluene	105			75-130	%REC	1	2/3/2011 03:06

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 07-Feb-11

Client: Conestoga-Rovers & Associates
Project: Lovington Paddock
Sample ID: MW-F 012511
Collection Date: 1/25/2011 01:50 PM

Work Order: 1101811
Lab ID: 1101811-03
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
TPH DRO/ORO							
			Method: SW8015M		Prep: SW3510C / 1/30/11		Analyst: RPM
TPH (Diesel Range)	U		0.020	0.050	mg/L	1	1/31/2011 12:13
TPH (Motor Oil Range)	U	n	0.020	0.10	mg/L	1	1/31/2011 12:13
Surr: 2-Fluorobiphenyl	87.1			70-130	%REC	1	1/31/2011 12:13
GASOLINE RANGE ORGANICS							
			Method: SW8015				Analyst: KKP
Gasoline Range Organics	U		0.020	0.0500	mg/L	1	2/2/2011 20:35
Surr: 4-Bromofluorobenzene	106			70-130	%REC	1	2/2/2011 20:35
BTEX							
			Method: SW8021B				Analyst: KKP
Benzene	U		0.20	1.0	µg/L	1	2/3/2011 03:23
Toluene	U		0.20	1.0	µg/L	1	2/3/2011 03:23
Ethylbenzene	U		0.20	1.0	µg/L	1	2/3/2011 03:23
Methyl tert-butyl ether	U		1.0	5.0	µg/L	1	2/3/2011 03:23
Xylenes, Total	U		0.70	3.0	µg/L	1	2/3/2011 03:23
Surr: 4-Bromofluorobenzene	90.3			77-129	%REC	1	2/3/2011 03:23
Surr: Trifluorotoluene	104			75-130	%REC	1	2/3/2011 03:23

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 07-Feb-11

Client: Conestoga-Rovers & Associates
Project: Lovington Paddock
Sample ID: MW-G 012511
Collection Date: 1/25/2011 04:00 PM

Work Order: 1101811
Lab ID: 1101811-04
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
TPH DRO/ORO							
			Method: SW8015M		Prep: SW3510C / 1/30/11		Analyst: RPM
TPH (Diesel Range)	U		0.020	0.050	mg/L	1	1/31/2011 12:32
TPH (Motor Oil Range)	U	n	0.020	0.10	mg/L	1	1/31/2011 12:32
Surr: 2-Fluorobiphenyl	75.2			70-130	%REC	1	1/31/2011 12:32
GASOLINE RANGE ORGANICS							
			Method: SW8015				Analyst: KKP
Gasoline Range Organics	U		0.020	0.0500	mg/L	1	2/2/2011 20:50
Surr: 4-Bromofluorobenzene	107			70-130	%REC	1	2/2/2011 20:50
BTEX							
			Method: SW8021B				Analyst: KKP
Benzene	U		0.20	1.0	µg/L	1	2/3/2011 04:47
Toluene	U		0.20	1.0	µg/L	1	2/3/2011 04:47
Ethylbenzene	U		0.20	1.0	µg/L	1	2/3/2011 04:47
Methyl tert-butyl ether	U		1.0	5.0	µg/L	1	2/3/2011 04:47
Xylenes, Total	U		0.70	3.0	µg/L	1	2/3/2011 04:47
Surr: 4-Bromofluorobenzene	91.4			77-129	%REC	1	2/3/2011 04:47
Surr: Trifluorotoluene	106			75-130	%REC	1	2/3/2011 04:47

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 07-Feb-11

Client: Conestoga-Rovers & Associates
Project: Lovington Paddock
Sample ID: MW-D2 012611
Collection Date: 1/26/2011 10:50 AM

Work Order: 1101811
Lab ID: 1101811-05
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
TPH DRO/ORO							
			Method: SW8015M		Prep: SW3510C / 1/30/11		Analyst: RPM
TPH (Diesel Range)	U		0.020	0.050	mg/L	1	1/31/2011 12:52
TPH (Motor Oil Range)	U	n	0.020	0.10	mg/L	1	1/31/2011 12:52
Surr: 2-Fluorobiphenyl	102			70-130	%REC	1	1/31/2011 12:52
GASOLINE RANGE ORGANICS							
			Method: SW8015				Analyst: KKP
Gasoline Range Organics	U		0.020	0.0500	mg/L	1	2/2/2011 21:05
Surr: 4-Bromofluorobenzene	104			70-130	%REC	1	2/2/2011 21:05
BTEX							
			Method: SW8021B				Analyst: KKP
Benzene	U		0.20	1.0	µg/L	1	2/3/2011 03:40
Toluene	U		0.20	1.0	µg/L	1	2/3/2011 03:40
Ethylbenzene	U		0.20	1.0	µg/L	1	2/3/2011 03:40
Methyl tert-butyl ether	U		1.0	5.0	µg/L	1	2/3/2011 03:40
Xylenes, Total	U		0.70	3.0	µg/L	1	2/3/2011 03:40
Surr: 4-Bromofluorobenzene	92.3			77-129	%REC	1	2/3/2011 03:40
Surr: Trifluorotoluene	107			75-130	%REC	1	2/3/2011 03:40

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 07-Feb-11

Client: Conestoga-Rovers & Associates
Project: Lovington Paddock
Sample ID: MW-V 012511
Collection Date: 1/25/2011 11:06 AM

Work Order: 1101811
Lab ID: 1101811-06
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
TPH DRO/ORO							
			Method: SW8015M		Prep: SW3510C / 1/30/11		Analyst: RPM
TPH (Diesel Range)	U		0.020	0.050	mg/L	1	1/31/2011 13:11
TPH (Motor Oil Range)	U	n	0.020	0.10	mg/L	1	1/31/2011 13:11
Surr: 2-Fluorobiphenyl	89.8			70-130	%REC	1	1/31/2011 13:11
GASOLINE RANGE ORGANICS							
			Method: SW8015				Analyst: KKP
Gasoline Range Organics	U		0.020	0.0500	mg/L	1	2/2/2011 21:20
Surr: 4-Bromofluorobenzene	107			70-130	%REC	1	2/2/2011 21:20
BTEX							
			Method: SW8021B				Analyst: KKP
Benzene	U		0.20	1.0	µg/L	1	2/3/2011 03:57
Toluene	U		0.20	1.0	µg/L	1	2/3/2011 03:57
Ethylbenzene	U		0.20	1.0	µg/L	1	2/3/2011 03:57
Methyl tert-butyl ether	U		1.0	5.0	µg/L	1	2/3/2011 03:57
Xylenes, Total	U		0.70	3.0	µg/L	1	2/3/2011 03:57
Surr: 4-Bromofluorobenzene	92.9			77-129	%REC	1	2/3/2011 03:57
Surr: Trifluorotoluene	107			75-130	%REC	1	2/3/2011 03:57

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 07-Feb-11

Client: Conestoga-Rovers & Associates
Project: Lovington Paddock
Sample ID: MW-U 012511
Collection Date: 1/25/2011 12:05 PM

Work Order: 1101811
Lab ID: 1101811-07
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
TPH DRO/ORO							
			Method: SW8015M		Prep: SW3510C / 1/30/11		Analyst: RPM
TPH (Diesel Range)	U		0.020	0.050	mg/L	1	1/31/2011 13:30
TPH (Motor Oil Range)	U	n	0.020	0.10	mg/L	1	1/31/2011 13:30
Surr: 2-Fluorobiphenyl	90.5			70-130	%REC	1	1/31/2011 13:30
GASOLINE RANGE ORGANICS							
			Method: SW8015				Analyst: KKP
Gasoline Range Organics	U		0.020	0.0500	mg/L	1	2/2/2011 21:35
Surr: 4-Bromofluorobenzene	105			70-130	%REC	1	2/2/2011 21:35
BTEX							
			Method: SW8021B				Analyst: KKP
Benzene	U		0.20	1.0	µg/L	1	2/3/2011 04:13
Toluene	U		0.20	1.0	µg/L	1	2/3/2011 04:13
Ethylbenzene	U		0.20	1.0	µg/L	1	2/3/2011 04:13
Methyl tert-butyl ether	U		1.0	5.0	µg/L	1	2/3/2011 04:13
Xylenes, Total	U		0.70	3.0	µg/L	1	2/3/2011 04:13
Surr: 4-Bromofluorobenzene	90.9			77-129	%REC	1	2/3/2011 04:13
Surr: Trifluorotoluene	106			75-130	%REC	1	2/3/2011 04:13

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 07-Feb-11

Client: Conestoga-Rovers & Associates
Project: Lovington Paddock
Sample ID: MW-J 012511
Collection Date: 1/25/2011 01:15 PM

Work Order: 1101811
Lab ID: 1101811-08
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
TPH DRO/ORO							
			Method: SW8015M		Prep: SW3510C / 1/30/11		Analyst: RPM
TPH (Diesel Range)	U		0.020	0.050	mg/L	1	1/31/2011 13:50
TPH (Motor Oil Range)	U	n	0.020	0.10	mg/L	1	1/31/2011 13:50
Surr: 2-Fluorobiphenyl	92.1			70-130	%REC	1	1/31/2011 13:50
GASOLINE RANGE ORGANICS							
			Method: SW8015				Analyst: KKP
Gasoline Range Organics	U		0.020	0.0500	mg/L	1	2/2/2011 21:53
Surr: 4-Bromofluorobenzene	104			70-130	%REC	1	2/2/2011 21:53
BTEX							
			Method: SW8021B				Analyst: KKP
Benzene	U		0.20	1.0	µg/L	1	2/3/2011 04:30
Toluene	U		0.20	1.0	µg/L	1	2/3/2011 04:30
Ethylbenzene	U		0.20	1.0	µg/L	1	2/3/2011 04:30
Methyl tert-butyl ether	U		1.0	5.0	µg/L	1	2/3/2011 04:30
Xylenes, Total	U		0.70	3.0	µg/L	1	2/3/2011 04:30
Surr: 4-Bromofluorobenzene	91.0			77-129	%REC	1	2/3/2011 04:30
Surr: Trifluorotoluene	107			75-130	%REC	1	2/3/2011 04:30

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 07-Feb-11

Client: Conestoga-Rovers & Associates
Project: Lovington Paddock
Sample ID: BW-1 012511
Collection Date: 1/25/2011 02:13 PM

Work Order: 1101811
Lab ID: 1101811-09
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
TPH DRO/ORO							
			Method: SW8015M		Prep: SW3510C / 1/30/11		Analyst: RPM
TPH (Diesel Range)	U		0.020	0.050	mg/L	1	1/31/2011 14:09
TPH (Motor Oil Range)	U	n	0.020	0.10	mg/L	1	1/31/2011 14:09
Surr: 2-Fluorobiphenyl	91.1			70-130	%REC	1	1/31/2011 14:09
GASOLINE RANGE ORGANICS							
			Method: SW8015				Analyst: KKP
Gasoline Range Organics	U		0.020	0.0500	mg/L	1	2/2/2011 22:08
Surr: 4-Bromofluorobenzene	105			70-130	%REC	1	2/2/2011 22:08
BTEX							
			Method: SW8021B				Analyst: KKP
Benzene	U		0.20	1.0	µg/L	1	2/3/2011 05:39
Toluene	U		0.20	1.0	µg/L	1	2/3/2011 05:39
Ethylbenzene	U		0.20	1.0	µg/L	1	2/3/2011 05:39
Methyl tert-butyl ether	U		1.0	5.0	µg/L	1	2/3/2011 05:39
Xylenes, Total	U		0.70	3.0	µg/L	1	2/3/2011 05:39
Surr: 4-Bromofluorobenzene	91.6			77-129	%REC	1	2/3/2011 05:39
Surr: Trifluorotoluene	106			75-130	%REC	1	2/3/2011 05:39

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 07-Feb-11

Client: Conestoga-Rovers & Associates
Project: Lovington Paddock
Sample ID: MW-D 012511
Collection Date: 1/25/2011 03:28 PM

Work Order: 1101811
Lab ID: 1101811-10
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
TPH DRO/ORO							
			Method: SW8015M		Prep: SW3510C / 1/30/11		Analyst: RPM
TPH (Diesel Range)	U		0.020	0.050	mg/L	1	1/31/2011 15:07
TPH (Motor Oil Range)	U	n	0.020	0.10	mg/L	1	1/31/2011 15:07
Surr: 2-Fluorobiphenyl	90.1			70-130	%REC	1	1/31/2011 15:07
GASOLINE RANGE ORGANICS							
			Method: SW8015				Analyst: KKP
Gasoline Range Organics	U		0.020	0.0500	mg/L	1	2/2/2011 22:23
Surr: 4-Bromofluorobenzene	108			70-130	%REC	1	2/2/2011 22:23
BTEX							
			Method: SW8021B				Analyst: KKP
Benzene	U		0.20	1.0	µg/L	1	2/3/2011 05:56
Toluene	U		0.20	1.0	µg/L	1	2/3/2011 05:56
Ethylbenzene	U		0.20	1.0	µg/L	1	2/3/2011 05:56
Methyl tert-butyl ether	U		1.0	5.0	µg/L	1	2/3/2011 05:56
Xylenes, Total	U		0.70	3.0	µg/L	1	2/3/2011 05:56
Surr: 4-Bromofluorobenzene	89.7			77-129	%REC	1	2/3/2011 05:56
Surr: Trifluorotoluene	106			75-130	%REC	1	2/3/2011 05:56

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 07-Feb-11

Client: Conestoga-Rovers & Associates
Project: Lovington Paddock
Sample ID: MW-E 012611
Collection Date: 1/26/2011 11:45 AM

Work Order: 1101811
Lab ID: 1101811-11
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
TPH DRO/ORO							
			Method: SW8015M		Prep: SW3510C / 1/30/11		Analyst: RPM
TPH (Diesel Range)	U		0.020	0.050	mg/L	1	1/31/2011 15:27
TPH (Motor Oil Range)	U	n	0.020	0.10	mg/L	1	1/31/2011 15:27
Surr: 2-Fluorobiphenyl	90.8			70-130	%REC	1	1/31/2011 15:27
GASOLINE RANGE ORGANICS							
			Method: SW8015				Analyst: KKP
Gasoline Range Organics	U		0.020	0.0500	mg/L	1	2/3/2011 00:06
Surr: 4-Bromofluorobenzene	106			70-130	%REC	1	2/3/2011 00:06
BTEX							
			Method: SW8021B				Analyst: KKP
Benzene	U		0.20	1.0	µg/L	1	2/3/2011 06:13
Toluene	U		0.20	1.0	µg/L	1	2/3/2011 06:13
Ethylbenzene	U		0.20	1.0	µg/L	1	2/3/2011 06:13
Methyl tert-butyl ether	U		1.0	5.0	µg/L	1	2/3/2011 06:13
Xylenes, Total	U		0.70	3.0	µg/L	1	2/3/2011 06:13
Surr: 4-Bromofluorobenzene	92.7			77-129	%REC	1	2/3/2011 06:13
Surr: Trifluorotoluene	110			75-130	%REC	1	2/3/2011 06:13

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 07-Feb-11

Client: Conestoga-Rovers & Associates
Project: Lovington Paddock
Sample ID: MW-R 012611
Collection Date: 1/26/2011 12:34 PM

Work Order: 1101811
Lab ID: 1101811-12
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
TPH DRO/ORO							
			Method: SW8015M		Prep: SW3510C / 1/30/11		Analyst: RPM
TPH (Diesel Range)	U		0.020	0.050	mg/L	1	1/31/2011 15:46
TPH (Motor Oil Range)	U	n	0.020	0.10	mg/L	1	1/31/2011 15:46
Surr: 2-Fluorobiphenyl	102			70-130	%REC	1	1/31/2011 15:46
GASOLINE RANGE ORGANICS							
			Method: SW8015				Analyst: KKP
Gasoline Range Organics	U		0.020	0.0500	mg/L	1	2/3/2011 00:50
Surr: 4-Bromofluorobenzene	107			70-130	%REC	1	2/3/2011 00:50
BTEX							
			Method: SW8021B				Analyst: KKP
Benzene	U		0.20	1.0	µg/L	1	2/3/2011 06:30
Toluene	U		0.20	1.0	µg/L	1	2/3/2011 06:30
Ethylbenzene	U		0.20	1.0	µg/L	1	2/3/2011 06:30
Methyl tert-butyl ether	U		1.0	5.0	µg/L	1	2/3/2011 06:30
Xylenes, Total	U		0.70	3.0	µg/L	1	2/3/2011 06:30
Surr: 4-Bromofluorobenzene	91.3			77-129	%REC	1	2/3/2011 06:30
Surr: Trifluorotoluene	109			75-130	%REC	1	2/3/2011 06:30

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 07-Feb-11

Client: Conestoga-Rovers & Associates
Project: Lovington Paddock
Sample ID: MW-N 012611
Collection Date: 1/26/2011 01:41 PM

Work Order: 1101811
Lab ID: 1101811-13
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
TPH DRO/ORO							
			Method: SW8015M		Prep: SW3510C / 1/30/11		Analyst: RPM
TPH (Diesel Range)	U		0.020	0.050	mg/L	1	1/31/2011 16:06
TPH (Motor Oil Range)	U	n	0.020	0.10	mg/L	1	1/31/2011 16:06
Surr: 2-Fluorobiphenyl	102			70-130	%REC	1	1/31/2011 16:06
GASOLINE RANGE ORGANICS							
			Method: SW8015				Analyst: KKP
Gasoline Range Organics	U		0.020	0.0500	mg/L	1	2/3/2011 01:05
Surr: 4-Bromofluorobenzene	105			70-130	%REC	1	2/3/2011 01:05
BTEX							
			Method: SW8021B				Analyst: KKP
Benzene	U		0.20	1.0	µg/L	1	2/3/2011 06:47
Toluene	U		0.20	1.0	µg/L	1	2/3/2011 06:47
Ethylbenzene	U		0.20	1.0	µg/L	1	2/3/2011 06:47
Methyl tert-butyl ether	U		1.0	5.0	µg/L	1	2/3/2011 06:47
Xylenes, Total	U		0.70	3.0	µg/L	1	2/3/2011 06:47
Surr: 4-Bromofluorobenzene	91.5			77-129	%REC	1	2/3/2011 06:47
Surr: Trifluorotoluene	110			75-130	%REC	1	2/3/2011 06:47

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 07-Feb-11

Client: Conestoga-Rovers & Associates
Project: Lovington Paddock
Sample ID: MW-W 012611
Collection Date: 1/26/2011 02:40 PM

Work Order: 1101811
Lab ID: 1101811-14
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
TPH DRO/ORO							
			Method: SW8015M		Prep: SW3510C / 1/30/11		Analyst: RPM
TPH (Diesel Range)	U		0.020	0.050	mg/L	1	1/31/2011 11:34
TPH (Motor Oil Range)	U	n	0.020	0.10	mg/L	1	1/31/2011 11:34
Surr: 2-Fluorobiphenyl	85.5			70-130	%REC	1	1/31/2011 11:34
GASOLINE RANGE ORGANICS							
			Method: SW8015				Analyst: KKP
Gasoline Range Organics	U		0.020	0.0500	mg/L	1	2/3/2011 01:20
Surr: 4-Bromofluorobenzene	106			70-130	%REC	1	2/3/2011 01:20
BTEX							
			Method: SW8021B				Analyst: KKP
Benzene	U		0.20	1.0	µg/L	1	2/3/2011 22:05
Toluene	U		0.20	1.0	µg/L	1	2/3/2011 22:05
Ethylbenzene	U		0.20	1.0	µg/L	1	2/3/2011 22:05
Methyl tert-butyl ether	U		1.0	5.0	µg/L	1	2/3/2011 22:05
Xylenes, Total	U		0.70	3.0	µg/L	1	2/3/2011 22:05
Surr: 4-Bromofluorobenzene	94.6			77-129	%REC	1	2/3/2011 22:05
Surr: Trifluorotoluene	110			75-130	%REC	1	2/3/2011 22:05

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 07-Feb-11

Client: Conestoga-Rovers & Associates
Project: Lovington Paddock
Sample ID: MW-O 012711
Collection Date: 1/27/2011 09:58 AM

Work Order: 1101811
Lab ID: 1101811-15
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
TPH DRO/ORO							
			Method: SW8015M		Prep: SW3510C / 1/30/11		Analyst: RPM
TPH (Diesel Range)	U		0.020	0.050	mg/L	1	1/31/2011 11:54
TPH (Motor Oil Range)	U	n	0.020	0.10	mg/L	1	1/31/2011 11:54
Surr: 2-Fluorobiphenyl	79.7			70-130	%REC	1	1/31/2011 11:54
GASOLINE RANGE ORGANICS							
			Method: SW8015				Analyst: KKP
Gasoline Range Organics	U		0.020	0.0500	mg/L	1	2/3/2011 01:50
Surr: 4-Bromofluorobenzene	106			70-130	%REC	1	2/3/2011 01:50
BTEX							
			Method: SW8021B				Analyst: KKP
Benzene	U		0.20	1.0	µg/L	1	2/3/2011 22:56
Toluene	U		0.20	1.0	µg/L	1	2/3/2011 22:56
Ethylbenzene	U		0.20	1.0	µg/L	1	2/3/2011 22:56
Methyl tert-butyl ether	U		1.0	5.0	µg/L	1	2/3/2011 22:56
Xylenes, Total	U		0.70	3.0	µg/L	1	2/3/2011 22:56
Surr: 4-Bromofluorobenzene	93.2			77-129	%REC	1	2/3/2011 22:56
Surr: Trifluorotoluene	109			75-130	%REC	1	2/3/2011 22:56

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 07-Feb-11

Client: Conestoga-Rovers & Associates
Project: Lovington Paddock
Sample ID: MW-Q 012711
Collection Date: 1/27/2011 11:25 AM

Work Order: 1101811
Lab ID: 1101811-16
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
TPH DRO/ORO							
			Method: SW8015M		Prep: SW3510C / 2/1/11		Analyst: SE
TPH (Diesel Range)	U		0.020	0.050	mg/L	1	2/2/2011 16:47
TPH (Motor Oil Range)	U	n	0.020	0.10	mg/L	1	2/2/2011 16:47
Surr: 2-Fluorobiphenyl	86.0			70-130	%REC	1	2/2/2011 16:47
GASOLINE RANGE ORGANICS							
			Method: SW8015				Analyst: KKP
Gasoline Range Organics	U		0.020	0.0500	mg/L	1	2/3/2011 02:05
Surr: 4-Bromofluorobenzene	104			70-130	%REC	1	2/3/2011 02:05
BTEX							
			Method: SW8021B				Analyst: KKP
Benzene	U		0.20	1.0	µg/L	1	2/3/2011 23:13
Toluene	U		0.20	1.0	µg/L	1	2/3/2011 23:13
Ethylbenzene	U		0.20	1.0	µg/L	1	2/3/2011 23:13
Methyl tert-butyl ether	U		1.0	5.0	µg/L	1	2/3/2011 23:13
Xylenes, Total	U		0.70	3.0	µg/L	1	2/3/2011 23:13
Surr: 4-Bromofluorobenzene	91.8			77-129	%REC	1	2/3/2011 23:13
Surr: Trifluorotoluene	106			75-130	%REC	1	2/3/2011 23:13

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 07-Feb-11

Client: Conestoga-Rovers & Associates
Project: Lovington Paddock
Sample ID: MW-L 012711
Collection Date: 1/27/2011 12:20 PM

Work Order: 1101811
Lab ID: 1101811-17
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
TPH DRO/ORO							
			Method: SW8015M		Prep: SW3510C / 1/30/11		Analyst: RPM
TPH (Diesel Range)	U		0.020	0.050	mg/L	1	1/31/2011 12:32
TPH (Motor Oil Range)	U	n	0.020	0.10	mg/L	1	1/31/2011 12:32
Surr: 2-Fluorobiphenyl	85.8			70-130	%REC	1	1/31/2011 12:32
GASOLINE RANGE ORGANICS							
			Method: SW8015				Analyst: KKP
Gasoline Range Organics	U		0.020	0.0500	mg/L	1	2/3/2011 02:19
Surr: 4-Bromofluorobenzene	105			70-130	%REC	1	2/3/2011 02:19
BTEX							
			Method: SW8021B				Analyst: KKP
Benzene	U		0.20	1.0	µg/L	1	2/3/2011 23:30
Toluene	U		0.20	1.0	µg/L	1	2/3/2011 23:30
Ethylbenzene	U		0.20	1.0	µg/L	1	2/3/2011 23:30
Methyl tert-butyl ether	U		1.0	5.0	µg/L	1	2/3/2011 23:30
Xylenes, Total	U		0.70	3.0	µg/L	1	2/3/2011 23:30
Surr: 4-Bromofluorobenzene	92.0			77-129	%REC	1	2/3/2011 23:30
Surr: Trifluorotoluene	108			75-130	%REC	1	2/3/2011 23:30

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 07-Feb-11

Client: Conestoga-Rovers & Associates
Project: Lovington Paddock
Sample ID: MW-P 012711
Collection Date: 1/27/2011 01:23 PM

Work Order: 1101811
Lab ID: 1101811-18
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
TPH DRO/ORO							
			Method: SW8015M		Prep: SW3510C / 1/30/11		Analyst: RPM
TPH (Diesel Range)	U		0.020	0.050	mg/L	1	1/31/2011 12:52
TPH (Motor Oil Range)	U	n	0.020	0.10	mg/L	1	1/31/2011 12:52
Surr: 2-Fluorobiphenyl	81.3			70-130	%REC	1	1/31/2011 12:52
GASOLINE RANGE ORGANICS							
			Method: SW8015				Analyst: KKP
Gasoline Range Organics	U		0.020	0.0500	mg/L	1	2/3/2011 02:34
Surr: 4-Bromofluorobenzene	104			70-130	%REC	1	2/3/2011 02:34
BTEX							
			Method: SW8021B				Analyst: KKP
Benzene	U		0.20	1.0	µg/L	1	2/3/2011 23:48
Toluene	U		0.20	1.0	µg/L	1	2/3/2011 23:48
Ethylbenzene	U		0.20	1.0	µg/L	1	2/3/2011 23:48
Methyl tert-butyl ether	U		1.0	5.0	µg/L	1	2/3/2011 23:48
Xylenes, Total	U		0.70	3.0	µg/L	1	2/3/2011 23:48
Surr: 4-Bromofluorobenzene	92.6			77-129	%REC	1	2/3/2011 23:48
Surr: Trifluorotoluene	107			75-130	%REC	1	2/3/2011 23:48

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 07-Feb-11

Client: Conestoga-Rovers & Associates
Project: Lovington Paddock
Sample ID: MW-C 012711
Collection Date: 1/27/2011 02:48 PM

Work Order: 1101811
Lab ID: 1101811-19
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
TPH DRO/ORO							
			Method: SW8015M		Prep: SW3510C / 1/30/11		Analyst: RPM
TPH (Diesel Range)	0.024	J	0.020	0.050	mg/L	1	1/31/2011 13:11
TPH (Motor Oil Range)	0.10	n	0.020	0.10	mg/L	1	1/31/2011 13:11
Surr: 2-Fluorobiphenyl	79.9			70-130	%REC	1	1/31/2011 13:11
GASOLINE RANGE ORGANICS							
			Method: SW8015				Analyst: KKP
Gasoline Range Organics	U		0.020	0.0500	mg/L	1	2/3/2011 02:50
Surr: 4-Bromofluorobenzene	103			70-130	%REC	1	2/3/2011 02:50
BTEX							
			Method: SW8021B				Analyst: KKP
Benzene	2.5		0.20	1.0	µg/L	1	2/4/2011 00:22
Toluene	1.1		0.20	1.0	µg/L	1	2/4/2011 00:22
Ethylbenzene	U		0.20	1.0	µg/L	1	2/4/2011 00:22
Methyl tert-butyl ether	U		1.0	5.0	µg/L	1	2/4/2011 00:22
Xylenes, Total	U		0.70	3.0	µg/L	1	2/4/2011 00:22
Surr: 4-Bromofluorobenzene	93.1			77-129	%REC	1	2/4/2011 00:22
Surr: Trifluorotoluene	108			75-130	%REC	1	2/4/2011 00:22

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 07-Feb-11

Client: Conestoga-Rovers & Associates
Project: Lovington Paddock
Sample ID: MW-I 012711
Collection Date: 1/27/2011 10:55 AM

Work Order: 1101811
Lab ID: 1101811-20
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
TPH DRO/ORO							
			Method: SW8015M		Prep: SW3510C / 1/30/11		Analyst: RPM
TPH (Diesel Range)	U		0.020	0.050	mg/L	1	1/31/2011 13:30
TPH (Motor Oil Range)	0.028	Jn	0.020	0.10	mg/L	1	1/31/2011 13:30
Surr: 2-Fluorobiphenyl	88.4			70-130	%REC	1	1/31/2011 13:30
GASOLINE RANGE ORGANICS							
			Method: SW8015				Analyst: KKP
Gasoline Range Organics	0.0448	J	0.020	0.0500	mg/L	1	2/3/2011 03:05
Surr: 4-Bromofluorobenzene	107			70-130	%REC	1	2/3/2011 03:05
BTEX							
			Method: SW8021B				Analyst: KKP
Benzene	2.5		0.20	1.0	µg/L	1	2/4/2011 00:39
Toluene	1.8		0.20	1.0	µg/L	1	2/4/2011 00:39
Ethylbenzene	U		0.20	1.0	µg/L	1	2/4/2011 00:39
Methyl tert-butyl ether	U		1.0	5.0	µg/L	1	2/4/2011 00:39
Xylenes, Total	U		0.70	3.0	µg/L	1	2/4/2011 00:39
Surr: 4-Bromofluorobenzene	91.9			77-129	%REC	1	2/4/2011 00:39
Surr: Trifluorotoluene	108			75-130	%REC	1	2/4/2011 00:39

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 07-Feb-11

Client: Conestoga-Rovers & Associates
Project: Lovington Paddock
Sample ID: MW-B 012711
Collection Date: 1/27/2011 12:15 PM

Work Order: 1101811
Lab ID: 1101811-21
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
TPH DRO/ORO			Method: SW8015M		Prep: SW3510C / 1/30/11		Analyst: RPM
TPH (Diesel Range)	0.073		0.020	0.050	mg/L	1	1/31/2011 13:50
TPH (Motor Oil Range)	0.094	Jn	0.020	0.10	mg/L	1	1/31/2011 13:50
Surr: 2-Fluorobiphenyl	95.9			70-130	%REC	1	1/31/2011 13:50
GASOLINE RANGE ORGANICS			Method: SW8015				Analyst: KKP
Gasoline Range Organics	0.914		0.020	0.0500	mg/L	1	2/3/2011 03:20
Surr: 4-Bromofluorobenzene	107			70-130	%REC	1	2/3/2011 03:20
BTEX			Method: SW8021B				Analyst: KKP
Benzene	360		2.0	10	µg/L	10	2/4/2011 00:56
Toluene	9.6		0.20	1.0	µg/L	1	2/4/2011 17:19
Ethylbenzene	U		0.20	1.0	µg/L	1	2/4/2011 17:19
Methyl tert-butyl ether	U		1.0	5.0	µg/L	1	2/4/2011 17:19
Xylenes, Total	6.4		0.70	3.0	µg/L	1	2/4/2011 17:19
Surr: 4-Bromofluorobenzene	92.2			77-129	%REC	10	2/4/2011 00:56
Surr: 4-Bromofluorobenzene	97.8			77-129	%REC	1	2/4/2011 17:19
Surr: Trifluorotoluene	109			75-130	%REC	10	2/4/2011 00:56
Surr: Trifluorotoluene	123			75-130	%REC	1	2/4/2011 17:19

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 07-Feb-11

Client: Conestoga-Rovers & Associates
Project: Lovington Paddock
Sample ID: MW-H 012711
Collection Date: 1/27/2011 01:30 PM

Work Order: 1101811
Lab ID: 1101811-22
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
TPH DRO/ORO							
			Method: SW8015M		Prep: SW3510C / 1/30/11		Analyst: RPM
TPH (Diesel Range)	0.15		0.020	0.050	mg/L	1	1/31/2011 14:09
TPH (Motor Oil Range)	0.033	Jn	0.020	0.10	mg/L	1	1/31/2011 14:09
Surr: 2-Fluorobiphenyl	71.1			70-130	%REC	1	1/31/2011 14:09
GASOLINE RANGE ORGANICS							
			Method: SW8015				Analyst: KKP
Gasoline Range Organics	8.48		0.020	0.0500	mg/L	1	2/3/2011 03:35
Surr: 4-Bromofluorobenzene	107			70-130	%REC	1	2/3/2011 03:35
BTEX							
			Method: SW8021B				Analyst: KKP
Benzene	4,600		20	100	µg/L	100	2/4/2011 01:13
Toluene	280		1.0	5.0	µg/L	5	2/7/2011 14:46
Ethylbenzene	6.6		1.0	5.0	µg/L	5	2/7/2011 14:46
Methyl tert-butyl ether	U		5.0	25	µg/L	5	2/7/2011 14:46
Xylenes, Total	55		3.5	15	µg/L	5	2/7/2011 14:46
Surr: 4-Bromofluorobenzene	92.0			77-129	%REC	100	2/4/2011 01:13
Surr: 4-Bromofluorobenzene	115			77-129	%REC	5	2/7/2011 14:46
Surr: Trifluorotoluene	109			75-130	%REC	100	2/4/2011 01:13
Surr: Trifluorotoluene	128			75-130	%REC	5	2/7/2011 14:46

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 07-Feb-11

Client: Conestoga-Rovers & Associates
Project: Lovington Paddock
Sample ID: MW-T 012711
Collection Date: 1/27/2011 03:00 PM

Work Order: 1101811
Lab ID: 1101811-23
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
TPH DRO/ORO			Method: SW8015M		Prep: SW3510C / 1/30/11		Analyst: RPM
TPH (Diesel Range)	0.41		0.020	0.050	mg/L	1	1/31/2011 15:07
TPH (Motor Oil Range)	0.047	Jn	0.020	0.10	mg/L	1	1/31/2011 15:07
Surr: 2-Fluorobiphenyl	77.3			70-130	%REC	1	1/31/2011 15:07
GASOLINE RANGE ORGANICS			Method: SW8015				Analyst: KKP
Gasoline Range Organics	22.6		0.10	0.250	mg/L	5	2/3/2011 13:00
Surr: 4-Bromofluorobenzene	102			70-130	%REC	5	2/3/2011 13:00
BTEX			Method: SW8021B				Analyst: KKP
Benzene	12,000		50	250	µg/L	250	2/4/2011 01:30
Toluene	1,500		50	250	µg/L	250	2/4/2011 01:30
Ethylbenzene	200		5.0	25	µg/L	25	2/7/2011 15:04
Methyl tert-butyl ether	U		25	120	µg/L	25	2/7/2011 15:04
Xylenes, Total	610		18	75	µg/L	25	2/7/2011 15:04
Surr: 4-Bromofluorobenzene	92.5			77-129	%REC	250	2/4/2011 01:30
Surr: 4-Bromofluorobenzene	114			77-129	%REC	25	2/7/2011 15:04
Surr: Trifluorotoluene	109			75-130	%REC	250	2/4/2011 01:30
Surr: Trifluorotoluene	121			75-130	%REC	25	2/7/2011 15:04

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 07-Feb-11

Client: Conestoga-Rovers & Associates
Project: Lovington Paddock
Sample ID: BW-2 012711
Collection Date: 1/27/2011 03:55 PM

Work Order: 1101811
Lab ID: 1101811-24
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
TPH DRO/ORO							
			Method: SW8015M		Prep: SW3510C / 1/30/11		Analyst: RPM
TPH (Diesel Range)	0.025	J	0.020	0.050	mg/L	1	1/31/2011 15:27
TPH (Motor Oil Range)	U	n	0.020	0.10	mg/L	1	1/31/2011 15:27
Surr: 2-Fluorobiphenyl	76.2			70-130	%REC	1	1/31/2011 15:27
GASOLINE RANGE ORGANICS							
			Method: SW8015				Analyst: KKP
Gasoline Range Organics	U		0.020	0.0500	mg/L	1	2/3/2011 12:15
Surr: 4-Bromofluorobenzene	105			70-130	%REC	1	2/3/2011 12:15
BTEX							
			Method: SW8021B				Analyst: KKP
Benzene	5.0		0.20	1.0	µg/L	1	2/4/2011 04:41
Toluene	2.8		0.20	1.0	µg/L	1	2/4/2011 04:41
Ethylbenzene	U		0.20	1.0	µg/L	1	2/4/2011 04:41
Methyl tert-butyl ether	U		1.0	5.0	µg/L	1	2/4/2011 04:41
Xylenes, Total	U		0.70	3.0	µg/L	1	2/4/2011 04:41
Surr: 4-Bromofluorobenzene	92.3			77-129	%REC	1	2/4/2011 04:41
Surr: Trifluorotoluene	109			75-130	%REC	1	2/4/2011 04:41

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 07-Feb-11

Client: Conestoga-Rovers & Associates
Project: Lovington Paddock
Sample ID: DUP1
Collection Date: 1/25/2011

Work Order: 1101811
Lab ID: 1101811-25
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
TPH DRO/ORO							
			Method: SW8015M		Prep: SW3510C / 1/30/11		Analyst: RPM
TPH (Diesel Range)	U		0.020	0.050	mg/L	1	1/31/2011 15:46
TPH (Motor Oil Range)	U	n	0.020	0.10	mg/L	1	1/31/2011 15:46
Surr: 2-Fluorobiphenyl	88.1			70-130	%REC	1	1/31/2011 15:46
GASOLINE RANGE ORGANICS							
			Method: SW8015				Analyst: KKP
Gasoline Range Organics	U		0.020	0.0500	mg/L	1	2/3/2011 12:30
Surr: 4-Bromofluorobenzene	100			70-130	%REC	1	2/3/2011 12:30
BTEX							
			Method: SW8021B				Analyst: KKP
Benzene	U		0.20	1.0	µg/L	1	2/4/2011 04:59
Toluene	U		0.20	1.0	µg/L	1	2/4/2011 04:59
Ethylbenzene	U		0.20	1.0	µg/L	1	2/4/2011 04:59
Methyl tert-butyl ether	U		1.0	5.0	µg/L	1	2/4/2011 04:59
Xylenes, Total	U		0.70	3.0	µg/L	1	2/4/2011 04:59
Surr: 4-Bromofluorobenzene	91.4			77-129	%REC	1	2/4/2011 04:59
Surr: Trifluorotoluene	108			75-130	%REC	1	2/4/2011 04:59

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 07-Feb-11

Client: Conestoga-Rovers & Associates
Project: Lovington Paddock
Sample ID: DUP-11
Collection Date: 1/25/2011

Work Order: 1101811
Lab ID: 1101811-26
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
TPH DRO/ORO							
			Method: SW8015M		Prep: SW3510C / 1/30/11		Analyst: RPM
TPH (Diesel Range)	0.036	J	0.020	0.050	mg/L	1	1/31/2011 16:06
TPH (Motor Oil Range)	0.13	n	0.020	0.10	mg/L	1	1/31/2011 16:06
Surr: 2-Fluorobiphenyl	91.8			70-130	%REC	1	1/31/2011 16:06
GASOLINE RANGE ORGANICS							
			Method: SW8015				Analyst: KKP
Gasoline Range Organics	U		0.020	0.0500	mg/L	1	2/3/2011 12:45
Surr: 4-Bromofluorobenzene	104			70-130	%REC	1	2/3/2011 12:45
BTEX							
			Method: SW8021B				Analyst: KKP
Benzene	2.4		0.20	1.0	µg/L	1	2/4/2011 05:16
Toluene	0.99	J	0.20	1.0	µg/L	1	2/4/2011 05:16
Ethylbenzene	U		0.20	1.0	µg/L	1	2/4/2011 05:16
Methyl tert-butyl ether	U		1.0	5.0	µg/L	1	2/4/2011 05:16
Xylenes, Total	U		0.70	3.0	µg/L	1	2/4/2011 05:16
Surr: 4-Bromofluorobenzene	91.2			77-129	%REC	1	2/4/2011 05:16
Surr: Trifluorotoluene	108			75-130	%REC	1	2/4/2011 05:16

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 07-Feb-11

Client: Conestoga-Rovers & Associates
Project: Lovington Paddock
Sample ID: Trip Blank
Collection Date: 1/26/2011

Work Order: 1101811
Lab ID: 1101811-27
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX		Method: SW8021B				Analyst: KKP	
Benzene	U		0.20	1.0	µg/L	1	2/4/2011 04:24
Toluene	U		0.20	1.0	µg/L	1	2/4/2011 04:24
Ethylbenzene	U		0.20	1.0	µg/L	1	2/4/2011 04:24
Methyl tert-butyl ether	U		1.0	5.0	µg/L	1	2/4/2011 04:24
Xylenes, Total	U		0.70	3.0	µg/L	1	2/4/2011 04:24
Surr: 4-Bromofluorobenzene	92.0			77-129	%REC	1	2/4/2011 04:24
Surr: Trifluorotoluene	107			75-130	%REC	1	2/4/2011 04:24

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 07-Feb-11

Client: Conestoga-Rovers & Associates
Work Order: 1101811
Project: Lovington Paddock

QC BATCH REPORT

Batch ID: **49679** Instrument ID **FID-7** Method: **SW8015M**

MBLK	Sample ID: FBLKW1-110130-49679				Units: mg/L		Analysis Date: 1/31/2011 10:36 AM			
Client ID:	Run ID: FID-7_110130A				SeqNo: 2265565		Prep Date: 1/30/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH (Diesel Range)	U	0.050								
TPH (Motor Oil Range)	U	0.10								
<i>Surr: 2-Fluorobiphenyl</i>	<i>0.121</i>	<i>0.0050</i>	<i>0.1</i>	<i>0</i>	<i>121</i>	<i>70-130</i>	<i>0</i>			

LCS	Sample ID: FLCSW1-110130-49679				Units: mg/L		Analysis Date: 1/31/2011 10:55 AM			
Client ID:	Run ID: FID-7_110130A				SeqNo: 2265566		Prep Date: 1/30/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH (Diesel Range)	1.076	0.050	1	0	108	70-130	0			
TPH (Motor Oil Range)	1.199	0.10	1	0	120	70-130	0			
<i>Surr: 2-Fluorobiphenyl</i>	<i>0.1037</i>	<i>0.0050</i>	<i>0.1</i>	<i>0</i>	<i>104</i>	<i>70-130</i>	<i>0</i>			

LCSD	Sample ID: FLCSDW1-110130-49679				Units: mg/L		Analysis Date: 1/31/2011 11:15 AM			
Client ID:	Run ID: FID-7_110130A				SeqNo: 2265567		Prep Date: 1/30/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH (Diesel Range)	0.9154	0.050	1	0	91.5	70-130	1.076	16.1	20	
TPH (Motor Oil Range)	1.075	0.10	1	0	108	70-130	1.199	10.9	20	
<i>Surr: 2-Fluorobiphenyl</i>	<i>0.127</i>	<i>0.0050</i>	<i>0.1</i>	<i>0</i>	<i>127</i>	<i>70-130</i>	<i>0.1037</i>	<i>20.2</i>	<i>20</i>	<i>R</i>

The following samples were analyzed in this batch:

1101811-01C	1101811-02C	1101811-03C
1101811-04C	1101811-05C	1101811-06C
1101811-07C	1101811-08C	1101811-09C
1101811-10C	1101811-11C	1101811-12C
1101811-13C		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates

Work Order: 1101811

Project: Lovington Paddock

QC BATCH REPORT

Batch ID: **49689**

Instrument ID **FID-8**

Method: **SW8015M**

MBLK Sample ID: **FBLKW2-110130-49689** Units: **mg/L** Analysis Date: **1/31/2011 10:36 AM**

Client ID: Run ID: **FID-8_110130A** SeqNo: **2265632** Prep Date: **1/30/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH (Diesel Range)	U	0.050								
TPH (Motor Oil Range)	U	0.10								
<i>Surr: 2-Fluorobiphenyl</i>	<i>0.07278</i>	<i>0.0050</i>	<i>0.1</i>	<i>0</i>	<i>72.8</i>	<i>70-130</i>	<i>0</i>			

LCS Sample ID: **FLCSW2-110130-49689** Units: **mg/L** Analysis Date: **1/31/2011 10:55 AM**

Client ID: Run ID: **FID-8_110130A** SeqNo: **2265633** Prep Date: **1/30/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH (Diesel Range)	0.8417	0.050	1	0	84.2	70-130	0			
TPH (Motor Oil Range)	1.062	0.10	1	0	106	70-130	0			
<i>Surr: 2-Fluorobiphenyl</i>	<i>0.08887</i>	<i>0.0050</i>	<i>0.1</i>	<i>0</i>	<i>88.9</i>	<i>70-130</i>	<i>0</i>			

LCSD Sample ID: **FLCSDW2-110130-49689** Units: **mg/L** Analysis Date: **1/31/2011 11:15 AM**

Client ID: Run ID: **FID-8_110130A** SeqNo: **2265634** Prep Date: **1/30/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH (Diesel Range)	0.9241	0.050	1	0	92.4	70-130	0.8417	9.33	20	
TPH (Motor Oil Range)	1.17	0.10	1	0	117	70-130	1.062	9.71	20	
<i>Surr: 2-Fluorobiphenyl</i>	<i>0.1043</i>	<i>0.0050</i>	<i>0.1</i>	<i>0</i>	<i>104</i>	<i>70-130</i>	<i>0.08887</i>	<i>16</i>	<i>20</i>	

The following samples were analyzed in this batch:

1101811-14C	1101811-15C	1101811-17C
1101811-18C	1101811-19C	1101811-20C
1101811-21C	1101811-22C	1101811-23C
1101811-24C	1101811-25C	1101811-26C

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1101811
Project: Lovington Paddock

QC BATCH REPORT

Batch ID: **49760** Instrument ID **FID-8** Method: **SW8015M**

MBLK Sample ID: **FBLKW1-110201-49760** Units: **mg/L** Analysis Date: **2/3/2011 12:56 PM**

Client ID: Run ID: **FID-8_110201A** SeqNo: **2268365** Prep Date: **2/1/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH (Diesel Range)	U	0.050								
TPH (Motor Oil Range)	U	0.10								
<i>Surr: 2-Fluorobiphenyl</i>	<i>0.07026</i>	<i>0.0050</i>	<i>0.1</i>	<i>0</i>	<i>70.3</i>	<i>70-130</i>	<i>0</i>			

LCS Sample ID: **FLCSW1-110201-49760** Units: **mg/L** Analysis Date: **2/2/2011 04:09 PM**

Client ID: Run ID: **FID-8_110201A** SeqNo: **2268362** Prep Date: **2/1/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH (Diesel Range)	1.111	0.050	1	0	111	70-130	0			
TPH (Motor Oil Range)	1.155	0.10	1	0	115	70-130	0			
<i>Surr: 2-Fluorobiphenyl</i>	<i>0.09867</i>	<i>0.0050</i>	<i>0.1</i>	<i>0</i>	<i>98.7</i>	<i>70-130</i>	<i>0</i>			

LCSD Sample ID: **FLCSDW1-110201-49760** Units: **mg/L** Analysis Date: **2/2/2011 04:28 PM**

Client ID: Run ID: **FID-8_110201A** SeqNo: **2268363** Prep Date: **2/1/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH (Diesel Range)	1.079	0.050	1	0	108	70-130	1.111	2.89	20	
TPH (Motor Oil Range)	1.121	0.10	1	0	112	70-130	1.155	3	20	
<i>Surr: 2-Fluorobiphenyl</i>	<i>0.08808</i>	<i>0.0050</i>	<i>0.1</i>	<i>0</i>	<i>88.1</i>	<i>70-130</i>	<i>0.09867</i>	<i>11.3</i>	<i>20</i>	

The following samples were analyzed in this batch:

1101811-16C

Client: Conestoga-Rovers & Associates

Work Order: 1101811

Project: Lovington Paddock

QC BATCH REPORT

Batch ID: **R104778**

Instrument ID **BTEX1**

Method: **SW8021B**

MBLK	Sample ID: BBLKW2-020211-R104778				Units: µg/L		Analysis Date: 2/2/2011 11:24 PM			
Client ID:	Run ID: BTEX1_110202B				SeqNo: 2268060		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	U	1.0								
Toluene	U	1.0								
Ethylbenzene	U	1.0								
Methyl tert-butyl ether	U	5.0								
Xylenes, Total	U	3.0								
Surr: 4-Bromofluorobenzene	27.72	1.0	30	0	92.4	77-129	0			
Surr: Trifluorotoluene	32.1	1.0	30	0	107	75-130	0			

LCS	Sample ID: BLCSW2-020211-R104778				Units: µg/L		Analysis Date: 2/2/2011 10:50 PM			
Client ID:	Run ID: BTEX1_110202B				SeqNo: 2268058		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	23.66	1.0	20	0	118	77-126	0			
Toluene	23.48	1.0	20	0	117	80-124	0			
Ethylbenzene	23.78	1.0	20	0	119	76-125	0			
Methyl tert-butyl ether	109.8	5.0	100	0	110	75-128	0			
Xylenes, Total	67.53	3.0	60	0	113	79-124	0			
Surr: 4-Bromofluorobenzene	30.07	1.0	30	0	100	77-129	0			
Surr: Trifluorotoluene	32.87	1.0	30	0	110	75-130	0			

MS	Sample ID: 1101788-13AMS				Units: µg/L		Analysis Date: 2/2/2011 11:58 PM			
Client ID:	Run ID: BTEX1_110202B				SeqNo: 2268063		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	23.85	1.0	20	0	119	77-126	0			
Toluene	23.39	1.0	20	0	117	80-124	0			
Ethylbenzene	23.74	1.0	20	0	119	76-125	0			
Methyl tert-butyl ether	109.9	5.0	100	0	110	75-128	0			
Xylenes, Total	66.96	3.0	60	0	112	79-124	0			
Surr: 4-Bromofluorobenzene	29.99	1.0	30	0	100	77-129	0			
Surr: Trifluorotoluene	32.92	1.0	30	0	110	75-130	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1101811
Project: Lovington Paddock

QC BATCH REPORT

Batch ID: **R104778** Instrument ID **BTEX1** Method: **SW8021B**

MSD		Sample ID: 1101788-13AMSD				Units: µg/L		Analysis Date: 2/3/2011 12:15 AM		
Client ID:		Run ID: BTEX1_110202B				SeqNo: 2268064		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	23.47	1.0	20	0	117	77-126	23.85	1.63	20	
Toluene	23.15	1.0	20	0	116	80-124	23.39	1.03	20	
Ethylbenzene	23.55	1.0	20	0	118	76-125	23.74	0.813	20	
Methyl tert-butyl ether	109.6	5.0	100	0	110	75-128	109.9	0.228	20	
Xylenes, Total	66.42	3.0	60	0	111	79-124	66.96	0.821	20	
Surr: 4-Bromofluorobenzene	29.78	1.0	30	0	99.3	77-129	29.99	0.708	20	
Surr: Trifluorotoluene	32.64	1.0	30	0	109	75-130	32.92	0.841	20	

The following samples were analyzed in this batch:

1101811-01A	1101811-02A	1101811-03A
1101811-04A	1101811-05A	1101811-06A
1101811-07A	1101811-08A	1101811-09A
1101811-10A	1101811-11A	1101811-12A
1101811-13A		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1101811
Project: Lovington Paddock

QC BATCH REPORT

Batch ID: **R104782** Instrument ID **FID-9** Method: **SW8015**

MBLK	Sample ID: GBLKW-020211-R104782				Units: mg/L		Analysis Date: 2/2/2011 04:15 PM			
Client ID:	Run ID: FID-9_110202B				SeqNo: 2268137		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Gasoline Range Organics	U	0.050								
Surr: 4-Bromofluorobenzene	0.101	0.0050	0.1	0	101	70-130	0			

LCS	Sample ID: GLCSW-020211-R104782				Units: mg/L		Analysis Date: 2/2/2011 03:43 PM			
Client ID:	Run ID: FID-9_110202B				SeqNo: 2268135		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Gasoline Range Organics	1.001	0.050	1	0	100	70-130	0			
Surr: 4-Bromofluorobenzene	0.1094	0.0050	0.1	0	109	70-130	0			

LCSD	Sample ID: GLCSDW-020211-R104782				Units: mg/L		Analysis Date: 2/2/2011 03:59 PM			
Client ID:	Run ID: FID-9_110202B				SeqNo: 2268136		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Gasoline Range Organics	1.009	0.050	1	0	101	70-130	1.001	0.781	30	
Surr: 4-Bromofluorobenzene	0.108	0.0050	0.1	0	108	70-130	0.1094	1.3	30	

MS	Sample ID: 1101771-04BMS				Units: mg/L		Analysis Date: 2/2/2011 07:21 PM			
Client ID:	Run ID: FID-9_110202B				SeqNo: 2268151		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Gasoline Range Organics	1.069	0.050	1	0.03521	103	70-130	0			
Surr: 4-Bromofluorobenzene	0.1102	0.0050	0.1	0	110	70-130	0			

MSD	Sample ID: 1101771-04BMSD				Units: mg/L		Analysis Date: 2/2/2011 07:36 PM			
Client ID:	Run ID: FID-9_110202B				SeqNo: 2268152		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Gasoline Range Organics	1.023	0.050	1	0.03521	98.8	70-130	1.069	4.42	30	
Surr: 4-Bromofluorobenzene	0.1094	0.0050	0.1	0	109	70-130	0.1102	0.694	30	

The following samples were analyzed in this batch:

1101811-01B	1101811-02B	1101811-03B
1101811-04B	1101811-05B	1101811-06B
1101811-07B	1101811-08B	1101811-09B
1101811-10B		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1101811
Project: Lovington Paddock

QC BATCH REPORT

Batch ID: **R104788** Instrument ID **FID-9** Method: **SW8015**

MBLK	Sample ID: GBLKW2-020211-R104788				Units: mg/L		Analysis Date: 2/2/2011 11:51 PM			
Client ID:	Run ID: FID-9_110202C				SeqNo: 2268336		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Gasoline Range Organics	U	0.050								
Surr: 4-Bromofluorobenzene	0.1064	0.0050	0.1	0	106	70-130	0			

LCS	Sample ID: GLCSW2-020211-R104788				Units: mg/L		Analysis Date: 2/2/2011 11:22 PM			
Client ID:	Run ID: FID-9_110202C				SeqNo: 2268334		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Gasoline Range Organics	0.9931	0.050	1	0	99.3	70-130	0			
Surr: 4-Bromofluorobenzene	0.1099	0.0050	0.1	0	110	70-130	0			

LCSD	Sample ID: GLCSDW2-020211-R104788				Units: mg/L		Analysis Date: 2/2/2011 11:36 PM			
Client ID:	Run ID: FID-9_110202C				SeqNo: 2268335		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Gasoline Range Organics	0.9927	0.050	1	0	99.3	70-130	0.9931	0.0438	30	
Surr: 4-Bromofluorobenzene	0.1091	0.0050	0.1	0	109	70-130	0.1099	0.737	30	

MS	Sample ID: 1101811-11BMS				Units: mg/L		Analysis Date: 2/3/2011 12:21 AM			
Client ID: MW-E 012611	Run ID: FID-9_110202C				SeqNo: 2268338		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Gasoline Range Organics	1.006	0.050	1	0	101	70-130	0			
Surr: 4-Bromofluorobenzene	0.1081	0.0050	0.1	0	108	70-130	0			

MSD	Sample ID: 1101811-11BMSD				Units: mg/L		Analysis Date: 2/3/2011 12:36 AM			
Client ID: MW-E 012611	Run ID: FID-9_110202C				SeqNo: 2268340		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Gasoline Range Organics	1.014	0.050	1	0	101	70-130	1.006	0.873	30	
Surr: 4-Bromofluorobenzene	0.1087	0.0050	0.1	0	109	70-130	0.1081	0.605	30	

The following samples were analyzed in this batch:

1101811-11B	1101811-12B	1101811-13B
1101811-14B	1101811-15B	1101811-16B
1101811-17B	1101811-18B	1101811-19B
1101811-20B	1101811-21B	1101811-22B
1101811-23B	1101811-24B	1101811-25B
1101811-26B		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates

Work Order: 1101811

Project: Lovington Paddock

QC BATCH REPORT

Batch ID: **R104831**

Instrument ID **BTEX1**

Method: **SW8021B**

MBLK	Sample ID: BBLKW2-020311-R104831				Units: µg/L		Analysis Date: 2/3/2011 09:47 PM			
Client ID:	Run ID: BTEX1_110203E				SeqNo: 2269346		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	U	1.0								
Toluene	U	1.0								
Ethylbenzene	U	1.0								
Methyl tert-butyl ether	U	5.0								
Xylenes, Total	U	3.0								
Surr: 4-Bromofluorobenzene	28.01	1.0	30	0	93.4	77-129	0			
Surr: Trifluorotoluene	32.39	1.0	30	0	108	75-130	0			

LCS	Sample ID: BLCSW2-020311-R104831				Units: µg/L		Analysis Date: 2/3/2011 09:13 PM			
Client ID:	Run ID: BTEX1_110203E				SeqNo: 2269344		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	21.31	1.0	20	0	107	77-126	0			
Toluene	21.22	1.0	20	0	106	80-124	0			
Ethylbenzene	21.72	1.0	20	0	109	76-125	0			
Methyl tert-butyl ether	96.33	5.0	100	0	96.3	75-128	0			
Xylenes, Total	61.5	3.0	60	0	103	79-124	0			
Surr: 4-Bromofluorobenzene	30.72	1.0	30	0	102	77-129	0			
Surr: Trifluorotoluene	33.31	1.0	30	0	111	75-130	0			

MS	Sample ID: 1101811-14AMS				Units: µg/L		Analysis Date: 2/3/2011 10:22 PM			
Client ID: MW-W 012611	Run ID: BTEX1_110203E				SeqNo: 2269348		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	22.81	1.0	20	0	114	77-126	0			
Toluene	22.87	1.0	20	0	114	80-124	0			
Ethylbenzene	23.19	1.0	20	0	116	76-125	0			
Methyl tert-butyl ether	101.7	5.0	100	0	102	75-128	0			
Xylenes, Total	65.5	3.0	60	0	109	79-124	0			
Surr: 4-Bromofluorobenzene	31.1	1.0	30	0	104	77-129	0			
Surr: Trifluorotoluene	33.92	1.0	30	0	113	75-130	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1101811
Project: Lovington Paddock

QC BATCH REPORT

Batch ID: **R104831** Instrument ID **BTEX1** Method: **SW8021B**

MSD	Sample ID: 1101811-14AMSD				Units: µg/L			Analysis Date: 2/3/2011 10:39 PM		
Client ID: MW-W 012611			Run ID: BTEX1_110203E			SeqNo: 2269349		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	22.28	1.0	20	0	111	77-126	22.81	2.35	20	
Toluene	22.2	1.0	20	0	111	80-124	22.87	2.96	20	
Ethylbenzene	22.2	1.0	20	0	111	76-125	23.19	4.39	20	
Methyl tert-butyl ether	102.3	5.0	100	0	102	75-128	101.7	0.569	20	
Xylenes, Total	63.08	3.0	60	0	105	79-124	65.5	3.76	20	
Surr: 4-Bromofluorobenzene	30.3	1.0	30	0	101	77-129	31.1	2.59	20	
Surr: Trifluorotoluene	33.37	1.0	30	0	111	75-130	33.92	1.64	20	

The following samples were analyzed in this batch:

1101811-14A	1101811-15A	1101811-16A
1101811-17A	1101811-18A	1101811-19A
1101811-20A	1101811-21A	1101811-22A
1101811-23A	1101811-24A	1101811-25A
1101811-26A	1101811-27A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
 Work Order: 1101811
 Project: Lovington Paddock

QC BATCH REPORT

Batch ID: **R104835** Instrument ID **BTEX1** Method: **SW8021B**

MBLK	Sample ID: BBLKW1-020411-R104835				Units: µg/L		Analysis Date: 2/4/2011 02:36 PM			
Client ID:	Run ID: BTEX1_110204B				SeqNo: 2269518		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Toluene	U	1.0								
Ethylbenzene	U	1.0								
Methyl tert-butyl ether	U	5.0								
Xylenes, Total	U	3.0								
<i>Surr: 4-Bromofluorobenzene</i>	<i>28.11</i>	<i>1.0</i>	<i>30</i>	<i>0</i>	<i>93.7</i>	<i>77-129</i>	<i>0</i>			
<i>Surr: Trifluorotoluene</i>	<i>33.23</i>	<i>1.0</i>	<i>30</i>	<i>0</i>	<i>111</i>	<i>75-130</i>	<i>0</i>			

LCS	Sample ID: BLCSW1-020411-R104835				Units: µg/L		Analysis Date: 2/4/2011 02:01 PM			
Client ID:	Run ID: BTEX1_110204B				SeqNo: 2269517		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Toluene	20.63	1.0	20	0	103	80-124	0			
Ethylbenzene	20.24	1.0	20	0	101	76-125	0			
Methyl tert-butyl ether	102.9	5.0	100	0	103	75-128	0			
Xylenes, Total	58.05	3.0	60	0	96.7	79-124	0			
<i>Surr: 4-Bromofluorobenzene</i>	<i>30.29</i>	<i>1.0</i>	<i>30</i>	<i>0</i>	<i>101</i>	<i>77-129</i>	<i>0</i>			
<i>Surr: Trifluorotoluene</i>	<i>35.07</i>	<i>1.0</i>	<i>30</i>	<i>0</i>	<i>117</i>	<i>75-130</i>	<i>0</i>			

MS	Sample ID: 1101798-08AMS				Units: µg/L		Analysis Date: 2/4/2011 04:25 PM			
Client ID:	Run ID: BTEX1_110204B				SeqNo: 2269519		Prep Date:		DF: 50	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Toluene	1158	50	1000	49.68	111	80-124	0			
Ethylbenzene	1361	50	1000	237.5	112	76-125	0			
Methyl tert-butyl ether	5269	250	5000	0	105	75-128	0			
Xylenes, Total	3673	150	3000	444.1	108	79-124	0			
<i>Surr: 4-Bromofluorobenzene</i>	<i>1716</i>	<i>50</i>	<i>1500</i>	<i>0</i>	<i>114</i>	<i>77-129</i>	<i>0</i>			
<i>Surr: Trifluorotoluene</i>	<i>1758</i>	<i>50</i>	<i>1500</i>	<i>0</i>	<i>117</i>	<i>75-130</i>	<i>0</i>			

MSD	Sample ID: 1101798-08AMSD				Units: µg/L		Analysis Date: 2/4/2011 04:41 PM			
Client ID:	Run ID: BTEX1_110204B				SeqNo: 2269520		Prep Date:		DF: 50	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Toluene	1131	50	1000	49.68	108	80-124	1158	2.4	20	
Ethylbenzene	1335	50	1000	237.5	110	76-125	1361	1.92	20	
Methyl tert-butyl ether	5192	250	5000	0	104	75-128	5269	1.49	20	
Xylenes, Total	3588	150	3000	444.1	105	79-124	3673	2.34	20	
<i>Surr: 4-Bromofluorobenzene</i>	<i>1717</i>	<i>50</i>	<i>1500</i>	<i>0</i>	<i>114</i>	<i>77-129</i>	<i>1716</i>	<i>0.0385</i>	<i>20</i>	
<i>Surr: Trifluorotoluene</i>	<i>1768</i>	<i>50</i>	<i>1500</i>	<i>0</i>	<i>118</i>	<i>75-130</i>	<i>1758</i>	<i>0.552</i>	<i>20</i>	

The following samples were analyzed in this batch:

1101811-21A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1101811
Project: Lovington Paddock

QC BATCH REPORT

Batch ID: **R104903** Instrument ID **BTEX1** Method: **SW8021B**

MBLK	Sample ID: BBLKW1-020711-R104903				Units: µg/L		Analysis Date: 2/7/2011 01:14 PM			
Client ID:	Run ID: BTEX1_110207B				SeqNo: 2270890		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Toluene	U	1.0								
Ethylbenzene	U	1.0								
Methyl tert-butyl ether	U	5.0								
Xylenes, Total	U	3.0								
<i>Surr: 4-Bromofluorobenzene</i>	30.08	1.0	30	0	100	77-129	0			
<i>Surr: Trifluorotoluene</i>	32.83	1.0	30	0	109	75-130	0			

LCS	Sample ID: BLCSW1-020711-R104903				Units: µg/L		Analysis Date: 2/7/2011 12:40 PM			
Client ID:	Run ID: BTEX1_110207B				SeqNo: 2270889		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Toluene	20.4	1.0	20	0	102	80-124	0			
Ethylbenzene	19.9	1.0	20	0	99.5	76-125	0			
Methyl tert-butyl ether	115.7	5.0	100	0	116	75-128	0			
Xylenes, Total	56.77	3.0	60	0	94.6	79-124	0			
<i>Surr: 4-Bromofluorobenzene</i>	34	1.0	30	0	113	77-129	0			
<i>Surr: Trifluorotoluene</i>	35.97	1.0	30	0	120	75-130	0			

LCS D	Sample ID: BLCSDW1-020711-R104903				Units: µg/L		Analysis Date: 2/7/2011 03:51 PM			
Client ID:	Run ID: BTEX1_110207B				SeqNo: 2270896		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Toluene	22.53	1.0	20	0	113	80-124	20.4	9.91	20	
Ethylbenzene	22.59	1.0	20	0	113	76-125	19.9	12.6	20	
Methyl tert-butyl ether	109.7	5.0	100	0	110	75-128	115.7	5.32	20	
Xylenes, Total	63.24	3.0	60	0	105	79-124	56.77	10.8	20	
<i>Surr: 4-Bromofluorobenzene</i>	33.93	1.0	30	0	113	77-129	34	0.232	20	
<i>Surr: Trifluorotoluene</i>	35.38	1.0	30	0	118	75-130	35.97	1.66	20	

MS	Sample ID: 1102024-04AMS				Units: µg/L		Analysis Date: 2/7/2011 01:54 PM			
Client ID:	Run ID: BTEX1_110207B				SeqNo: 2270892		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Toluene	25.27	1.0	20	0	126	80-124	0			S
Ethylbenzene	26.18	1.0	20	0	131	76-125	0			S
Methyl tert-butyl ether	147.3	5.0	100	27.08	120	75-128	0			
Xylenes, Total	76.79	3.0	60	0	128	79-124	0			S
<i>Surr: 4-Bromofluorobenzene</i>	34.27	1.0	30	0	114	77-129	0			
<i>Surr: Trifluorotoluene</i>	34.69	1.0	30	0	116	75-130	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1101811
Project: Lovington Paddock

QC BATCH REPORT

Batch ID: R104903 Instrument ID BTEX1 Method: SW8021B

MSD	Sample ID: 1102024-04AMSD				Units: µg/L			Analysis Date: 2/7/2011 02:12 PM		
Client ID:	Run ID: BTEX1_110207B				SeqNo: 2270893		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Toluene	25.25	1.0	20	0	126	80-124	25.27	0.0869	20	S
Ethylbenzene	26.12	1.0	20	0	131	76-125	26.18	0.213	20	S
Methyl tert-butyl ether	145.8	5.0	100	27.08	119	75-128	147.3	1.01	20	
Xylenes, Total	76.67	3.0	60	0	128	79-124	76.79	0.157	20	S
Surr: 4-Bromofluorobenzene	34.15	1.0	30	0	114	77-129	34.27	0.361	20	
Surr: Trifluorotoluene	34.57	1.0	30	0	115	75-130	34.69	0.352	20	

The following samples were analyzed in this batch:

1101811-22A	1101811-23A
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Note: See Qualifiers Page for a list of Qualifiers and their explanation.

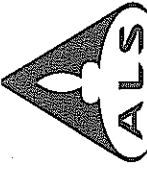
Client: Conestoga-Rovers & Associates
Project: Lovington Paddock
WorkOrder: 1101811

QUALIFIERS, ACRONYMS, UNITS

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

<u>Acronym</u>	<u>Description</u>
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

<u>Units Reported</u>	<u>Description</u>
µg/L	Micrograms per Liter
mg/L	Milligrams per Liter



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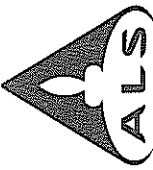
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Page 1 of 3

Customer Information				Project Information				ALS Project Manager: <u>ALS Work Order #:</u>											
Project Name				Lovington Paddock				Parameter/Method Request for Analysis											
Project Number				073020-02				A BTEX (8021)											
Bill To Company				Conestoga-Rovers & Associates				B GRO (8015M)											
Invoice Attn				Patricia Lynch				C DRO (8015M)											
Address				6320 Rothway Ste. 100															
City/State/Zip				Houston, TX 77040															
Phone				(713) 734-3090															
Fax				(713) 264-6138															
e-Mail Address																			
No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold		
1	MW-S 012511	1-25-11	1045	W		8	X	X	X										
2	MW-M 012511	1-25-11	1205	W		8	X	X	X										
3	MW-F 012511	1-25-11	1350	W		8	X	X	X										
4	MW-G 012511	1-25-11	1600	W		8	X	X	X										
5	MW-DD 012611	1-26-11	1050	W		8	X	X	X										
6	MW-V 012511	1-25-11	1106	W		8	X	X	X										
7	MW-U 012511	1-25-11	1205	W		8	X	X	X										
8	MW-J 012511	1-25-11	1315	W		8	X	X	X										
9	BW-I 012511	1-25-11	1413	W		8	X	X	X										
10	MW-D 012511	1-25-11	1528	W		8	X	X	X										
Sampler(s) Please Print & Sign				Required Turnaround Time: (Check Box)				Results Due Date:											
Relinquished by: <u>TRIMERA</u>				☒ Std: 10 WK Days ☒ 5 WK Days ☐ 2 WK Days				☐ Other: <u>2 WK Days</u> ☐ 24 Hour											
Relinquished by: <u>[Signature]</u>				Notes: <u>5 DayTAT.</u>															
Date: <u>01-28-11</u> Time: <u>1438</u>				Received by: <u>RNACS</u>				Cooler Temp. <u>5</u> DayTAT.											
Date: <u>01-24-11</u> Time: <u>0925</u>				Checked by (Laboratory): <u>RNACS</u>				Cooler ID <u>5</u> WK Days											
Date: <u>01-24-11</u> Time: <u>0925</u>				Preservative Key: <u>1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-Na2S2O3 6-NaHSO4 7-Other 8-4°C 9-5035</u>				QC Package: (Check One Box Below)											
								☒ Level II Std QC ☐ TRRP Checklist											
								☐ Level III Std QC/Raw Data ☐ TRRP Level IV											
								☐ Level IV SWB46/CLP ☐ Other / EDD											

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Laboratory Group.
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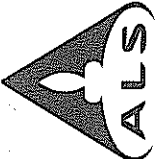
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Page 2 of 3

Customer Information				Project Information				ALS Project Manager: <u>ALS Work Order #:</u>											
Project Name				Lovington Paddock				Parameter/Method Request for Analysis											
Project Number				073020-02				A BTEX (8021)											
Bill To Company				Conestoga-Rovers & Associates				B GRO (8015M)											
Invoice Attn				Patricia Lynch				C DRO (8015M)											
Address				6320 Rothway Ste. 100				D											
City/State/Zip				Houston, TX 77040				E											
Phone				(713) 734-3090				F											
Fax				(713) 264-6138				G											
e-Mail Address				e-Mail Address				H											
No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold		
1	MW-E 012611	1-26-11	1145	W		8	X	X	X										
2	MW-R 012611	1-26-11	1234	W		8	X	X	X										
3	MW-N 012611	1-26-11	1341	W		8	X	X	X										
4	MW-W 012611	1-26-11	1440	W		8	X	X	X										
5	MW-O 012611	1-26-11	0958	W		8	X	X	X										
6	MW-Q 012711	1-27-11	1125	W		8	X	X	X										
7	MW-L 012711	1-27-11	1220	W		8	X	X	X										
8	MW-P 012711	1-27-11	1323	W		8	X	X	X										
9	MW-C 012711	1-27-11	1448	W		8	X	X	X										
10	MW-I 012711	1-27-11	1255	W		8	X	X	X										
Sampler(s) Please Print & Sign				Shipment Method				Required Turnaround Time: (Check Box)				Results Due Date:							
Relinquished by: <u>J. Trimmer</u>				Date: <u>1-29-11</u> Time: <u>1438</u>				☐ Std. 10 WK Days ☒ 5 WK Days ☐ 2 WK Days ☐ 24 Hour				☐ Other							
Relinquished by: <u>J. Trimmer</u>				Date: <u>1-29-11</u> Time: <u>0925</u>				Notes: <u>5 DayTAT.</u>											
Received by: <u>J. Trimmer</u>				Date: <u>1-29-11</u> Time: <u>0925</u>				Cooler ID: <u>LN MCS.</u>				Cooler Temp: <u>8-4°C</u>							
Logged by (Laboratory): <u>J. Trimmer</u>				Date: <u>1-29-11</u> Time: <u>0925</u>				Checked by (Laboratory): <u>J. Trimmer</u>				QC Package: Check One Box Below							
Preservative Key: <u>1-HCl 2-HNO₃ 3-H₂SO₄ 4-NaOH 5-Na₂S₂O₈ 6-NaHSO₃ 7-Other</u>								☒ Level II Std QC				☐ TRRP Check List							
								☐ Level III Std QC/Raw Data				☐ TRRP Level IV							
								☐ Level IV SW846/CLP				☐ Other / EDD							

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Page 3 of 3

Customer Information				Project Information				ALS Project Manager:												ALS Work Order #:											
Project Name				Lovington Paddock				Parameter/Method Request for Analysis																							
Project Number				073020-02				A BTEX (8021)																							
Bill To Company				Conestoga-Rovers & Associates				B GRO (8015M)																							
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Phone				(713) 734-3090																											
Fax				(713) 264-6138																											
e-Mail Address																															
No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold														
1	MW-B 012711	01-27-11	1215	W		8	X	X	X																						
2	MW-H 012711	01-27-11	1330	W		8	X	X	X																						
3	MW-T 012711	1-27-11	1500	W		8	X	X	X																						
4	BW-2 012711	1-27-11	1555	W		8	X	X	X																						
5	DUP-1	1-25-11	-	W		8	X	X	X																						
6	DUP-11	1-27-11	-	W		8	X	X	X																						
7																															
8																															
9																															
10																															

Sampler(s) Please Print & Sign
J. Primavera

Shipment Method
Time: 1438
Date: 28 Jan 11

Received by:
Time: 0925
Date: 1-29-11

Relinquished by:
Time: 0925
Date: 1-29-11

Relinquished by:
Time: 0925
Date: 1-29-11

Logged by (Laboratory):
Time: 0925
Date: 1-29-11

Preservative Key: 1-HCl 2-HNO₃ 3-H₂SO₄ 4-NaOH 5-Na₂S₂O₃ 6-NaHSO₃ 7-Other 8-4°C 9-5035

Required Turnaround Time: (Check Box)
☒ 5 WK Days ☐ 10 WK Days ☐ 2 WK Days ☐ 24 Hour

Results Due Date:

Notes: 5 DayTAT.

QC Package: (Check One Box Below)
☒ Level II Std QC ☐ Level III Std QC ☐ Level IV SW846/CLP ☐ Other / EDD

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Laboratory Group.
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Sample Receipt Checklist

Client Name: **CRA-HOU**

Date/Time Received: **29-Jan-11 00:00**

Work Order: **1101811**

Received by: **RDN**

Checklist completed by Rishel D. Naran
eSignature

29-Jan-11
Date

Reviewed by:

eSignature

Date

Matrices: **WATER**

Carrier name: **FedEx**

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☐	No ☒	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	
Temperature(s)/Thermometer(s):	<u>1.1C,0.8C,2.6C,2.2C,1.9C,1.4C</u>		<u>002</u>
Cooler(s)/Kit(s):	<u>3911,3097,3891,3822,7104,3854</u>		
Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☒	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☒	N/A ☐
pH adjusted by:	<u>-</u>		

Login Notes: **SAMPLES 14C AND 5C HAVE ONE AMBER GLASS BOTTLE BROKEN**

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction:

1101811

 ALS Environmental 10450 Stancliff Rd., Suite 210 Houston, Texas 77099 Tel. +1 281 530 5656 Fax. +1 281 530 5887 7104	CUSTODY SEAL	Seal Broken By: RN
	Date: <u>28 JAN 11</u> Time: <u>1442</u> Name: <u>J. PRIMORA</u> Company: <u>CRA</u>	Date: <u>1/29/11</u>

 ALS Environmental 10450 Stancliff Rd., Suite 210 Houston, Texas 77099 Tel. +1 281 530 5656 Fax. +1 281 530 5887 3854	CUSTODY SEAL	Seal Broken By: RN
	Date: <u>28 JAN 11</u> Time: <u>1442</u> Name: <u>J. PRIMORA</u> Company: <u>CRA</u>	Date: <u>1/29/11</u>

 ALS Environmental 10450 Stancliff Rd., Suite 210 Houston, Texas 77099 Tel. +1 281 530 5656 Fax. +1 281 530 5887 3802	CUSTODY SEAL	Seal Broken By: RN
	Date: <u>28 JAN 11</u> Time: <u>1433</u> Name: <u>J. PRIMORA</u> Company: <u>CRA</u>	Date: <u>1/29/11</u>

 ALS Environmental 10450 Stancliff Rd., Suite 210 Houston, Texas 77099 Tel. +1 281 530 5656 Fax. +1 281 530 5887 3891	CUSTODY SEAL	Seal Broken By: RN
	Date: <u>28 JAN 11</u> Time: <u>1442</u> Name: <u>J. PRIMORA</u> Company: <u>CRA</u>	Date: <u>1/29/11</u>

 ALS Environmental 10450 Stancliff Rd., Suite 210 Houston, Texas 77099 Tel. +1 281 530 5656 Fax. +1 281 530 5887 3097	CUSTODY SEAL	Seal Broken By: RN
	Date: <u>28 JAN 11</u> Time: <u>1442</u> Name: <u>J. PRIMORA</u> Company: <u>CRA</u>	Date: <u>1/29/11</u>

 ALS Environmental 10450 Stancliff Rd., Suite 210 Houston, Texas 77099 Tel. +1 281 530 5656 Fax. +1 281 530 5887 3911	CUSTODY SEAL	Seal Broken By: RN
	Date: <u>28 JAN 11</u> Time: <u>1442</u> Name: <u>J. PRIMORA</u> Company: <u>CRA</u>	Date: <u>1/29/11</u>

FedEx

PRIORITY OVERNIGHT

SAT

Emp# 445061 08:46 29JAN11

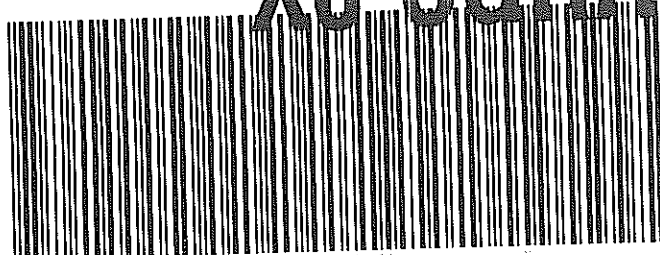
TRK# 7997 5435 9519 FORM 0601

IAH

Deliver By:
29JAN11

77099 -TX-US

XO SGRA



FedEx

Analytical Report 423423

for

Conestoga Rovers & Associates

Project Manager: John Schnable

Lovington Paddock

073020

22-JUL-11

Collected By: Client



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12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-10-6-TX), Arizona (AZ0765), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AAL11), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)

Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370)

Xenco-Boca Raton (EPA Lab Code: FL01273):

Florida(E86240),South Carolina(96031001), Louisiana(04154), Georgia(917)
North Carolina(444), Texas(T104704468-TX), Illinois(002295), Florida(E86349)

Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)

Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)



22-JUL-11

Project Manager: **John Schnable**
Conestoga Rovers & Associates
2135 S Loop 250 W
Midland, TX 79703

Reference: XENCO Report No: **423423**
Lovington Paddock
Project Address: NM

John Schnable:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 423423. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 423423 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II

Odessa Laboratory Manager

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Sample Cross Reference 423423



Conestoga Rovers & Associates, Midland, TX

Lovington Paddock

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-S 071311	W	Jul-13-11 13:18		423423-001
MW-M 071311	W	Jul-13-11 13:56		423423-002
MW-D2 071411	W	Jul-14-11 12:02		423423-003
MW-V 071411	W	Jul-14-11 12:42		423423-004
MW-U 071411	W	Jul-14-11 13:18		423423-005
MW-J 071411	W	Jul-14-11 14:05		423423-006
MW-R 071311	W	Jul-13-11 14:25		423423-007
MW-W 071311	W	Jul-13-11 15:25		423423-008
MW-T 071311	W	Jul-13-11 14:00		423423-009
BW-1 071311	W	Jul-13-11 13:10		423423-010
BW-2 071411	W	Jul-14-11 11:50		423423-011
BW-3 071411	W	Jul-14-11 12:50		423423-012
MW-P 071411	W	Jul-14-11 14:57		423423-013
MW-N 071411	W	Jul-14-11 14:20		423423-014
MW-G 071411	W	Jul-14-11 14:35		423423-015
MW-L 071411	W	Jul-14-11 14:44		423423-016
MW-I 071411	W	Jul-14-11 14:52		423423-017
DUP-1 071411	W	Jul-14-11 00:00		423423-018
DUP-2 071411	W	Jul-14-11 00:00		423423-019



CASE NARRATIVE

Client Name: Conestoga Rovers & Associates

Project Name: Lovington Paddock



Project ID: 073020

Work Order Number: 423423

Report Date: 22-JUL-11

Date Received: 07/18/2011

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non nonformances and comments:

Batch: LBA-864517 BTEX by EPA 8021B

SW8021BM

Batch 864517, 4-Bromofluorobenzene recovered below QC limits Data not confirmed by re-analysis. Samples affected are: 608280-1-BLK.

1,4-Difluorobenzene recovered above QC limits . Matrix interferences is suspected; data confirmed by re-analysis

Samples affected are: 423423-009.

Certificate of Analysis Summary 423423

Conestoga Rovers & Associates, Midland, TX



Project Id: 073020

Contact: John Schnable

Project Name: Lovington Paddock

Date Received in Lab: Mon Jul-18-11 10:57 am

Report Date: 22-JUL-11

Project Location: NM

Project Manager: Brent Barron, II

<i>Analysis Requested</i>	<i>Lab Id:</i>	423423-001	423423-002	423423-003	423423-004	423423-005	423423-006
	<i>Field Id:</i>	MW-S 071311	MW-M 071311	MW-D2 071411	MW-V 071411	MW-U 071411	MW-J 071411
	<i>Depth:</i>						
	<i>Matrix:</i>	WATER	WATER	WATER	WATER	WATER	WATER
	<i>Sampled:</i>	Jul-13-11 13:18	Jul-13-11 13:56	Jul-14-11 12:02	Jul-14-11 12:42	Jul-14-11 13:18	Jul-14-11 14:05
BTEX by EPA 8021B	<i>Extracted:</i>	Jul-19-11 12:35	Jul-19-11 12:35	Jul-19-11 12:35	Jul-18-11 15:45	Jul-18-11 15:45	Jul-18-11 15:45
	<i>Analyzed:</i>	Jul-19-11 15:50	Jul-19-11 16:13	Jul-19-11 16:36	Jul-19-11 04:34	Jul-19-11 04:56	Jul-19-11 05:19
	<i>Units/RL:</i>	mg/L RL	mg/L RL	mg/L RL	mg/L RL	mg/L RL	mg/L RL
Benzene		ND 0.0010	ND 0.0010	ND 0.0010	ND 0.0010	ND 0.0010	ND 0.0010
Toluene		ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020
Ethylbenzene		ND 0.0010	ND 0.0010	ND 0.0010	ND 0.0010	ND 0.0010	ND 0.0010
m_p-Xylenes		ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020
o-Xylene		ND 0.0010	ND 0.0010	ND 0.0010	ND 0.0010	ND 0.0010	ND 0.0010
Total Xylenes		ND 0.0010	ND 0.0010	ND 0.0010	ND 0.0010	ND 0.0010	ND 0.0010
Total BTEX		ND 0.0010	ND 0.0010	ND 0.0010	ND 0.0010	ND 0.0010	ND 0.0010
TPH By SW8015 Mod	<i>Extracted:</i>	Jul-18-11 15:00	Jul-18-11 15:00	Jul-18-11 15:00	Jul-18-11 15:00	Jul-18-11 15:00	Jul-18-11 15:00
	<i>Analyzed:</i>	Jul-19-11 06:46	Jul-19-11 07:14	Jul-19-11 07:43	Jul-19-11 08:12	Jul-19-11 08:41	Jul-19-11 09:10
	<i>Units/RL:</i>	mg/L RL	mg/L RL	mg/L RL	mg/L RL	mg/L RL	mg/L RL
TPH-GRO		ND 1.50	ND 1.50	ND 1.50	ND 1.50	ND 1.50	ND 1.50
TPH-DRO		ND 1.50	ND 1.50	ND 1.50	ND 1.50	ND 1.50	ND 1.50

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Brent Barron, II
Odessa Laboratory Manager

Certificate of Analysis Summary 423423

Conestoga Rovers & Associates, Midland, TX



Project Id: 073020

Contact: John Schnable

Project Name: Lovington Paddock

Date Received in Lab: Mon Jul-18-11 10:57 am

Report Date: 22-JUL-11

Project Location: NM

Project Manager: Brent Barron, II

<i>Analysis Requested</i>	<i>Lab Id:</i>	423423-007	423423-008	423423-009	423423-010	423423-011	423423-012
	<i>Field Id:</i>	MW-R 071311	MW-W 071311	MW-T 071311	BW-1 071311	BW-2 071411	BW-3 071411
	<i>Depth:</i>						
	<i>Matrix:</i>	WATER	WATER	WATER	WATER	WATER	WATER
	<i>Sampled:</i>	Jul-13-11 14:25	Jul-13-11 15:25	Jul-13-11 14:00	Jul-13-11 13:10	Jul-14-11 11:50	Jul-14-11 12:50
BTEX by EPA 8021B	<i>Extracted:</i>	Jul-18-11 15:45	Jul-18-11 15:45	Jul-19-11 12:35	Jul-19-11 12:35	Jul-19-11 12:35	Jul-19-11 12:35
	<i>Analyzed:</i>	Jul-19-11 05:41	Jul-19-11 07:35	Jul-20-11 00:08	Jul-19-11 16:59	Jul-19-11 17:21	Jul-19-11 17:44
	<i>Units/RL:</i>	mg/L RL	mg/L RL	mg/L RL	mg/L RL	mg/L RL	mg/L RL
Benzene		ND 0.0010	ND 0.0010	4.49 D 0.0200	ND 0.0010	0.00139 0.0010	0.0151 0.0010
Toluene		ND 0.0020	ND 0.0020	0.448 0.0100	ND 0.0020	ND 0.0020	0.00774 0.0020
Ethylbenzene		ND 0.0010	ND 0.0010	0.0208 0.0050	ND 0.0010	ND 0.0010	0.00156 0.0010
m_p-Xylenes		ND 0.0020	ND 0.0020	0.0354 0.0100	ND 0.0020	ND 0.0020	ND 0.0020
o-Xylene		ND 0.0010	ND 0.0010	0.0222 0.0050	ND 0.0010	ND 0.0010	ND 0.0010
Total Xylenes		ND 0.0010	ND 0.0010	0.0576 0.0050	ND 0.0010	ND 0.0010	ND 0.0010
Total BTEX		ND 0.0010	ND 0.0010	5.02 D 0.0050	ND 0.0010	0.00139 0.0010	0.0244 0.0010
TPH By SW8015 Mod	<i>Extracted:</i>	Jul-18-11 15:00	Jul-18-11 15:00	Jul-18-11 15:00	Jul-18-11 15:00	Jul-18-11 15:00	Jul-18-11 15:00
	<i>Analyzed:</i>	Jul-19-11 09:39	Jul-19-11 10:07	Jul-19-11 10:36	Jul-19-11 11:34	Jul-19-11 12:03	Jul-19-11 12:32
	<i>Units/RL:</i>	mg/L RL	mg/L RL	mg/L RL	mg/L RL	mg/L RL	mg/L RL
TPH-GRO		ND 1.50	ND 1.50	8.17 1.50	ND 1.50	ND 1.50	ND 1.50
TPH-DRO		ND 1.50	ND 1.50	ND 1.50	ND 1.50	ND 1.50	ND 1.50

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Brent Barron, II
Odessa Laboratory Manager

Certificate of Analysis Summary 423423

Conestoga Rovers & Associates, Midland, TX



Project Id: 073020

Contact: John Schnable

Project Name: Lovington Paddock

Date Received in Lab: Mon Jul-18-11 10:57 am

Report Date: 22-JUL-11

Project Location: NM

Project Manager: Brent Barron, II

<i>Analysis Requested</i>	<i>Lab Id:</i>	423423-013	423423-014	423423-015	423423-016	423423-017	423423-018
	<i>Field Id:</i>	MW-P 071411	MW-N 071411	MW-G 071411	MW-L 071411	MW-I 071411	DUP-1 071411
	<i>Depth:</i>						
	<i>Matrix:</i>	WATER	WATER	WATER	WATER	WATER	WATER
	<i>Sampled:</i>	Jul-14-11 14:57	Jul-14-11 14:20	Jul-14-11 14:35	Jul-14-11 14:44	Jul-14-11 14:52	Jul-14-11 00:00
BTEX by EPA 8021B	<i>Extracted:</i>	Jul-19-11 12:35	Jul-19-11 12:35	Jul-19-11 12:35	Jul-19-11 12:35	Jul-21-11 15:00	Jul-21-11 15:00
	<i>Analyzed:</i>	Jul-19-11 18:07	Jul-19-11 18:29	Jul-19-11 18:52	Jul-19-11 19:14	Jul-22-11 09:14	Jul-22-11 01:41
	<i>Units/RL:</i>	mg/L RL	mg/L RL	mg/L RL	mg/L RL	mg/L RL	mg/L RL
Benzene		ND 0.0010	ND 0.0010	ND 0.0010	ND 0.0010	4.19 0.0200	ND 0.0010
Toluene		ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	0.994 0.0400	ND 0.0020
Ethylbenzene		ND 0.0010	ND 0.0010	ND 0.0010	ND 0.0010	0.0490 0.0200	ND 0.0010
m_p-Xylenes		ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	0.237 0.0400	ND 0.0020
o-Xylene		ND 0.0010	ND 0.0010	ND 0.0010	ND 0.0010	0.119 0.0200	ND 0.0010
Total Xylenes		ND 0.0010	ND 0.0010	ND 0.0010	ND 0.0010	0.356 0.0200	ND 0.0010
Total BTEX		ND 0.0010	ND 0.0010	ND 0.0010	ND 0.0010	5.59 0.0200	ND 0.0010
TPH By SW8015 Mod	<i>Extracted:</i>	Jul-18-11 15:00	Jul-18-11 15:00	Jul-18-11 15:00	Jul-18-11 15:00	Jul-18-11 15:00	Jul-18-11 15:00
	<i>Analyzed:</i>	Jul-19-11 13:01	Jul-19-11 13:30	Jul-19-11 14:00	Jul-19-11 14:29	Jul-19-11 14:58	Jul-19-11 15:27
	<i>Units/RL:</i>	mg/L RL	mg/L RL	mg/L RL	mg/L RL	mg/L RL	mg/L RL
TPH-GRO		ND 1.50	ND 1.50	ND 1.50	ND 1.50	6.12 1.50	ND 1.50
TPH-DRO		ND 1.50	ND 1.50	ND 1.50	ND 1.50	ND 1.50	ND 1.50

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Brent Barron, II
Odessa Laboratory Manager

Certificate of Analysis Summary 423423

Conestoga Rovers & Associates, Midland, TX



Project Id: 073020

Contact: John Schnable

Project Name: Lovington Paddock

Date Received in Lab: Mon Jul-18-11 10:57 am

Report Date: 22-JUL-11

Project Location: NM

Project Manager: Brent Barron, II

Analysis Requested	Lab Id: 423423-019 Field Id: DUP-2 071411 Depth: Matrix: WATER Sampled: Jul-14-11 00:00					
BTEX by EPA 8021B	Extracted: Jul-21-11 15:00 Analyzed: Jul-22-11 02:04 Units/RL: mg/L RL					
Benzene	ND 0.0010					
Toluene	ND 0.0020					
Ethylbenzene	ND 0.0010					
m_p-Xylenes	ND 0.0020					
o-Xylene	ND 0.0010					
Total Xylenes	ND 0.0010					
Total BTEX	ND 0.0010					
TPH By SW8015 Mod	Extracted: Jul-18-11 15:00 Analyzed: Jul-19-11 15:56 Units/RL: mg/L RL					
TPH-GRO	ND 1.50					
TPH-DRO	ND 1.50					

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Brent Barron, II
Odessa Laboratory Manager

Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the quantitation limit and above the detection limit.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ Outside XENCO's scope of NELAC Accreditation.

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 5757 NW 158th St, Miami Lakes, FL 33014
 12600 West I-20 East, Odessa, TX 79765
 6017 Financial Drive, Norcross, GA 30071
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(813) 620-2000	(813) 620-2033
(305) 823-8500	(305) 823-8555
(432) 563-1800	(432) 563-1713
(770) 449-8800	(770) 449-5477
(602) 437-0330	

Form 2 - Surrogate Recoveries

Project Name: Lovington Paddock

Work Orders : 423423,

Project ID: 073020

Lab Batch #: 864316

Sample: 608154-1-BKS / BKS

Batch: 1 Matrix: Water

Units: mg/L	Date Analyzed: 07/19/11 00:26	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021B		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R
Analytes					
1,4-Difluorobenzene		0.0291	0.0300	97	80-120
4-Bromofluorobenzene		0.0320	0.0300	107	80-120

Lab Batch #: 864316

Sample: 608154-1-BSD / BSD

Batch: 1 Matrix: Water

Units: mg/L	Date Analyzed: 07/19/11 00:49	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021B		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R
Analytes					
1,4-Difluorobenzene		0.0300	0.0300	100	80-120
4-Bromofluorobenzene		0.0316	0.0300	105	80-120

Lab Batch #: 864316

Sample: 608154-1-BLK / BLK

Batch: 1 Matrix: Water

Units: mg/L	Date Analyzed: 07/19/11 01:57	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021B		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R
Analytes					
1,4-Difluorobenzene		0.0280	0.0300	93	80-120
4-Bromofluorobenzene		0.0274	0.0300	91	80-120

Lab Batch #: 864316

Sample: 423423-004 / SMP

Batch: 1 Matrix: Water

Units: mg/L	Date Analyzed: 07/19/11 04:34	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021B		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R
Analytes					
1,4-Difluorobenzene		0.0259	0.0300	86	80-120
4-Bromofluorobenzene		0.0265	0.0300	88	80-120

Lab Batch #: 864316

Sample: 423423-005 / SMP

Batch: 1 Matrix: Water

Units: mg/L	Date Analyzed: 07/19/11 04:56	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021B		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R
Analytes					
1,4-Difluorobenzene		0.0276	0.0300	92	80-120
4-Bromofluorobenzene		0.0295	0.0300	98	80-120

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Lovington Paddock

Work Orders : 423423,

Project ID: 073020

Lab Batch #: 864316

Sample: 423423-006 / SMP

Batch: 1 Matrix: Water

Units: mg/L	Date Analyzed: 07/19/11 05:19	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021B		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R
Analytes					
1,4-Difluorobenzene		0.0276	0.0300	92	80-120
4-Bromofluorobenzene		0.0277	0.0300	92	80-120

Lab Batch #: 864316

Sample: 423423-007 / SMP

Batch: 1 Matrix: Water

Units: mg/L	Date Analyzed: 07/19/11 05:41	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021B		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R
Analytes					
1,4-Difluorobenzene		0.0266	0.0300	89	80-120
4-Bromofluorobenzene		0.0276	0.0300	92	80-120

Lab Batch #: 864316

Sample: 423423-008 / SMP

Batch: 1 Matrix: Water

Units: mg/L	Date Analyzed: 07/19/11 07:35	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021B		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R
Analytes					
1,4-Difluorobenzene		0.0276	0.0300	92	80-120
4-Bromofluorobenzene		0.0272	0.0300	91	80-120

Lab Batch #: 864517

Sample: 608280-1-BKS / BKS

Batch: 1 Matrix: Water

Units: mg/L	Date Analyzed: 07/19/11 13:32	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021B		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R
Analytes					
1,4-Difluorobenzene		0.0292	0.0300	97	80-120
4-Bromofluorobenzene		0.0305	0.0300	102	80-120

Lab Batch #: 864517

Sample: 608280-1-BSD / BSD

Batch: 1 Matrix: Water

Units: mg/L	Date Analyzed: 07/19/11 13:54	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021B		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R
Analytes					
1,4-Difluorobenzene		0.0313	0.0300	104	80-120
4-Bromofluorobenzene		0.0309	0.0300	103	80-120

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Lovington Paddock

Work Orders : 423423,

Project ID: 073020

Lab Batch #: 864517

Sample: 608280-1-BLK / BLK

Batch: 1 Matrix: Water

Units: mg/L	Date Analyzed: 07/19/11 15:02	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021B		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R
Analytes					Flags
1,4-Difluorobenzene		0.0242	0.0300	81	80-120
4-Bromofluorobenzene		0.0238	0.0300	79	80-120 *

Lab Batch #: 864517

Sample: 423423-001 / SMP

Batch: 1 Matrix: Water

Units: mg/L	Date Analyzed: 07/19/11 15:50	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021B		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R
Analytes					Flags
1,4-Difluorobenzene		0.0261	0.0300	87	80-120
4-Bromofluorobenzene		0.0256	0.0300	85	80-120

Lab Batch #: 864517

Sample: 423423-002 / SMP

Batch: 1 Matrix: Water

Units: mg/L	Date Analyzed: 07/19/11 16:13	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021B		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R
Analytes					Flags
1,4-Difluorobenzene		0.0265	0.0300	88	80-120
4-Bromofluorobenzene		0.0268	0.0300	89	80-120

Lab Batch #: 864517

Sample: 423423-003 / SMP

Batch: 1 Matrix: Water

Units: mg/L	Date Analyzed: 07/19/11 16:36	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021B		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R
Analytes					Flags
1,4-Difluorobenzene		0.0278	0.0300	93	80-120
4-Bromofluorobenzene		0.0272	0.0300	91	80-120

Lab Batch #: 864517

Sample: 423423-010 / SMP

Batch: 1 Matrix: Water

Units: mg/L	Date Analyzed: 07/19/11 16:59	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021B		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R
Analytes					Flags
1,4-Difluorobenzene		0.0303	0.0300	101	80-120
4-Bromofluorobenzene		0.0263	0.0300	88	80-120

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Lovington Paddock

Work Orders : 423423,

Project ID: 073020

Lab Batch #: 864517

Sample: 423423-011 / SMP

Batch: 1 Matrix: Water

Units: mg/L	Date Analyzed: 07/19/11 17:21	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021B		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R
Analytes					
1,4-Difluorobenzene		0.0282	0.0300	94	80-120
4-Bromofluorobenzene		0.0266	0.0300	89	80-120

Lab Batch #: 864517

Sample: 423423-012 / SMP

Batch: 1 Matrix: Water

Units: mg/L	Date Analyzed: 07/19/11 17:44	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021B		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R
Analytes					
1,4-Difluorobenzene		0.0264	0.0300	88	80-120
4-Bromofluorobenzene		0.0254	0.0300	85	80-120

Lab Batch #: 864517

Sample: 423423-013 / SMP

Batch: 1 Matrix: Water

Units: mg/L	Date Analyzed: 07/19/11 18:07	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021B		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R
Analytes					
1,4-Difluorobenzene		0.0271	0.0300	90	80-120
4-Bromofluorobenzene		0.0258	0.0300	86	80-120

Lab Batch #: 864517

Sample: 423423-014 / SMP

Batch: 1 Matrix: Water

Units: mg/L	Date Analyzed: 07/19/11 18:29	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021B		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R
Analytes					
1,4-Difluorobenzene		0.0295	0.0300	98	80-120
4-Bromofluorobenzene		0.0266	0.0300	89	80-120

Lab Batch #: 864517

Sample: 423423-015 / SMP

Batch: 1 Matrix: Water

Units: mg/L	Date Analyzed: 07/19/11 18:52	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021B		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R
Analytes					
1,4-Difluorobenzene		0.0282	0.0300	94	80-120
4-Bromofluorobenzene		0.0292	0.0300	97	80-120

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Lovington Paddock

Work Orders : 423423,

Project ID: 073020

Lab Batch #: 864517

Sample: 423423-016 / SMP

Batch: 1 Matrix: Water

Units: mg/L	Date Analyzed: 07/19/11 19:14	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021B		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R
Analytes					
1,4-Difluorobenzene		0.0266	0.0300	89	80-120
4-Bromofluorobenzene		0.0266	0.0300	89	80-120

Lab Batch #: 864517

Sample: 423423-010 S / MS

Batch: 1 Matrix: Water

Units: mg/L	Date Analyzed: 07/19/11 19:37	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021B		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R
Analytes					
1,4-Difluorobenzene		0.0289	0.0300	96	80-120
4-Bromofluorobenzene		0.0307	0.0300	102	80-120

Lab Batch #: 864517

Sample: 423423-010 SD / MSD

Batch: 1 Matrix: Water

Units: mg/L	Date Analyzed: 07/19/11 19:59	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021B		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R
Analytes					
1,4-Difluorobenzene		0.0292	0.0300	97	80-120
4-Bromofluorobenzene		0.0306	0.0300	102	80-120

Lab Batch #: 864517

Sample: 423423-009 / SMP

Batch: 1 Matrix: Water

Units: mg/L	Date Analyzed: 07/20/11 00:08	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021B		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R
Analytes					
1,4-Difluorobenzene		0.0499	0.0300	166	80-120
4-Bromofluorobenzene		0.0292	0.0300	97	80-120

Lab Batch #: 864919

Sample: 608522-1-BKS / BKS

Batch: 1 Matrix: Water

Units: mg/L	Date Analyzed: 07/21/11 23:25	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021B		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R
Analytes					
1,4-Difluorobenzene		0.0272	0.0300	91	80-120
4-Bromofluorobenzene		0.0294	0.0300	98	80-120

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Lovington Paddock

Work Orders : 423423,

Project ID: 073020

Lab Batch #: 864919

Sample: 608522-1-BSD / BSD

Batch: 1 Matrix: Water

Units: mg/L	Date Analyzed: 07/21/11 23:48	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021B		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R
Analytes					
1,4-Difluorobenzene		0.0303	0.0300	101	80-120
4-Bromofluorobenzene		0.0299	0.0300	100	80-120

Lab Batch #: 864919

Sample: 608522-1-BLK / BLK

Batch: 1 Matrix: Water

Units: mg/L	Date Analyzed: 07/22/11 00:56	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021B		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R
Analytes					
1,4-Difluorobenzene		0.0277	0.0300	92	80-120
4-Bromofluorobenzene		0.0286	0.0300	95	80-120

Lab Batch #: 864919

Sample: 423423-018 / SMP

Batch: 1 Matrix: Water

Units: mg/L	Date Analyzed: 07/22/11 01:41	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021B		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R
Analytes					
1,4-Difluorobenzene		0.0277	0.0300	92	80-120
4-Bromofluorobenzene		0.0292	0.0300	97	80-120

Lab Batch #: 864919

Sample: 423423-019 / SMP

Batch: 1 Matrix: Water

Units: mg/L	Date Analyzed: 07/22/11 02:04	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021B		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R
Analytes					
1,4-Difluorobenzene		0.0281	0.0300	94	80-120
4-Bromofluorobenzene		0.0294	0.0300	98	80-120

Lab Batch #: 864919

Sample: 423423-018 S / MS

Batch: 1 Matrix: Water

Units: mg/L	Date Analyzed: 07/22/11 05:05	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021B		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R
Analytes					
1,4-Difluorobenzene		0.0295	0.0300	98	80-120
4-Bromofluorobenzene		0.0327	0.0300	109	80-120

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Lovington Paddock

Work Orders : 423423,

Project ID: 073020

Lab Batch #: 864919

Sample: 423423-018 SD / MSD

Batch: 1 Matrix: Water

Units: mg/L	Date Analyzed: 07/22/11 05:28	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021B		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R
Analytes					
1,4-Difluorobenzene		0.0317	0.0300	106	80-120
4-Bromofluorobenzene		0.0314	0.0300	105	80-120

Lab Batch #: 864919

Sample: 423423-009 / DL

Batch: 1 Matrix: Water

Units: mg/L	Date Analyzed: 07/22/11 08:51	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021B		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R
Analytes					
1,4-Difluorobenzene		0.0325	0.0300	108	80-120
4-Bromofluorobenzene		0.0297	0.0300	99	80-120

Lab Batch #: 864919

Sample: 423423-017 / SMP

Batch: 1 Matrix: Water

Units: mg/L	Date Analyzed: 07/22/11 09:14	SURROGATE RECOVERY STUDY			
BTEX by EPA 8021B		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R
Analytes					
1,4-Difluorobenzene		0.0320	0.0300	107	80-120
4-Bromofluorobenzene		0.0275	0.0300	92	80-120

Lab Batch #: 864456

Sample: 608243-1-BKS / BKS

Batch: 1 Matrix: Water

Units: mg/L	Date Analyzed: 07/19/11 04:50	SURROGATE RECOVERY STUDY			
TPH By SW8015 Mod		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R
Analytes					
1-Chlorooctane		11.7	10.0	117	70-135
o-Terphenyl		5.80	5.00	116	70-135

Lab Batch #: 864456

Sample: 608243-1-BSD / BSD

Batch: 1 Matrix: Water

Units: mg/L	Date Analyzed: 07/19/11 05:20	SURROGATE RECOVERY STUDY			
TPH By SW8015 Mod		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R
Analytes					
1-Chlorooctane		11.8	10.0	118	70-135
o-Terphenyl		5.79	5.00	116	70-135

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Lovington Paddock

Work Orders : 423423,

Project ID: 073020

Lab Batch #: 864456

Sample: 608243-1-BLK / BLK

Batch: 1 Matrix: Water

Units: mg/L	Date Analyzed: 07/19/11 05:48	SURROGATE RECOVERY STUDY			
TPH By SW8015 Mod		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R
Analytes					
1-Chlorooctane		9.54	10.0	95	70-135
o-Terphenyl		5.27	5.00	105	70-135

Lab Batch #: 864456

Sample: 423423-001 / SMP

Batch: 1 Matrix: Water

Units: mg/L	Date Analyzed: 07/19/11 06:46	SURROGATE RECOVERY STUDY			
TPH By SW8015 Mod		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R
Analytes					
1-Chlorooctane		9.62	10.0	96	70-135
o-Terphenyl		4.97	5.00	99	70-135

Lab Batch #: 864456

Sample: 423423-002 / SMP

Batch: 1 Matrix: Water

Units: mg/L	Date Analyzed: 07/19/11 07:14	SURROGATE RECOVERY STUDY			
TPH By SW8015 Mod		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R
Analytes					
1-Chlorooctane		10.1	10.0	101	70-135
o-Terphenyl		5.26	5.00	105	70-135

Lab Batch #: 864456

Sample: 423423-003 / SMP

Batch: 1 Matrix: Water

Units: mg/L	Date Analyzed: 07/19/11 07:43	SURROGATE RECOVERY STUDY			
TPH By SW8015 Mod		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R
Analytes					
1-Chlorooctane		9.93	10.0	99	70-135
o-Terphenyl		5.02	5.00	100	70-135

Lab Batch #: 864456

Sample: 423423-004 / SMP

Batch: 1 Matrix: Water

Units: mg/L	Date Analyzed: 07/19/11 08:12	SURROGATE RECOVERY STUDY			
TPH By SW8015 Mod		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R
Analytes					
1-Chlorooctane		9.96	10.0	100	70-135
o-Terphenyl		5.24	5.00	105	70-135

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Lovington Paddock

Work Orders : 423423,

Project ID: 073020

Lab Batch #: 864456

Sample: 423423-005 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 07/19/11 08:41

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	10.3	10.0	103	70-135	
o-Terphenyl	5.23	5.00	105	70-135	

Lab Batch #: 864456

Sample: 423423-006 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 07/19/11 09:10

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	10.3	10.0	103	70-135	
o-Terphenyl	5.34	5.00	107	70-135	

Lab Batch #: 864456

Sample: 423423-007 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 07/19/11 09:39

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	9.81	10.0	98	70-135	
o-Terphenyl	5.15	5.00	103	70-135	

Lab Batch #: 864456

Sample: 423423-008 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 07/19/11 10:07

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	10.2	10.0	102	70-135	
o-Terphenyl	5.40	5.00	108	70-135	

Lab Batch #: 864456

Sample: 423423-009 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 07/19/11 10:36

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	10.7	10.0	107	70-135	
o-Terphenyl	5.57	5.00	111	70-135	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Lovington Paddock

Work Orders : 423423,

Project ID: 073020

Lab Batch #: 864456

Sample: 423423-010 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 07/19/11 11:34

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	9.65	10.0	97	70-135	
o-Terphenyl	4.77	5.00	95	70-135	

Lab Batch #: 864456

Sample: 423423-011 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 07/19/11 12:03

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	10.4	10.0	104	70-135	
o-Terphenyl	5.15	5.00	103	70-135	

Lab Batch #: 864456

Sample: 423423-012 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 07/19/11 12:32

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	10.0	10.0	100	70-135	
o-Terphenyl	4.97	5.00	99	70-135	

Lab Batch #: 864456

Sample: 423423-013 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 07/19/11 13:01

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	10.6	10.0	106	70-135	
o-Terphenyl	5.25	5.00	105	70-135	

Lab Batch #: 864456

Sample: 423423-014 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 07/19/11 13:30

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	10.6	10.0	106	70-135	
o-Terphenyl	5.25	5.00	105	70-135	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Lovington Paddock

Work Orders : 423423,

Project ID: 073020

Lab Batch #: 864456

Sample: 423423-015 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 07/19/11 14:00

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	10.9	10.0	109	70-135	
o-Terphenyl	5.45	5.00	109	70-135	

Lab Batch #: 864456

Sample: 423423-016 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 07/19/11 14:29

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	10.4	10.0	104	70-135	
o-Terphenyl	5.22	5.00	104	70-135	

Lab Batch #: 864456

Sample: 423423-017 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 07/19/11 14:58

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	10.4	10.0	104	70-135	
o-Terphenyl	5.23	5.00	105	70-135	

Lab Batch #: 864456

Sample: 423423-018 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 07/19/11 15:27

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	9.98	10.0	100	70-135	
o-Terphenyl	5.01	5.00	100	70-135	

Lab Batch #: 864456

Sample: 423423-019 / SMP

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 07/19/11 15:56

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	10.4	10.0	104	70-135	
o-Terphenyl	5.26	5.00	105	70-135	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: Lovington Paddock

Work Orders : 423423,

Project ID: 073020

Lab Batch #: 864456

Sample: 423423-019 S / MS

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 07/19/11 16:25

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	11.1	10.0	111	70-135	
o-Terphenyl	5.33	5.00	107	70-135	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Project Name: Lovington Paddock

Work Order #: 423423

Analyst: ASA

Date Prepared: 07/18/2011

Project ID: 073020

Date Analyzed: 07/19/2011

Lab Batch ID: 864316

Sample: 608154-1-BKS

Batch #: 1

Matrix: Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
Benzene	<0.00100	0.100	0.0963	96	0.100	0.109	109	12	70-125	25	
Toluene	<0.00200	0.100	0.0889	89	0.100	0.102	102	14	70-125	25	
Ethylbenzene	<0.00100	0.100	0.0963	96	0.100	0.110	110	13	71-129	25	
m_p-Xylenes	<0.00200	0.200	0.187	94	0.200	0.216	108	14	70-131	25	
o-Xylene	<0.00100	0.100	0.0920	92	0.100	0.107	107	15	71-133	25	

Analyst: ASA

Date Prepared: 07/19/2011

Date Analyzed: 07/19/2011

Lab Batch ID: 864517

Sample: 608280-1-BKS

Batch #: 1

Matrix: Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
Benzene	<0.00100	0.100	0.109	109	0.100	0.112	112	3	70-125	25	
Toluene	<0.00200	0.100	0.102	102	0.100	0.105	105	3	70-125	25	
Ethylbenzene	<0.00100	0.100	0.112	112	0.100	0.114	114	2	71-129	25	
m_p-Xylenes	<0.00200	0.200	0.217	109	0.200	0.220	110	1	70-131	25	
o-Xylene	<0.00100	0.100	0.106	106	0.100	0.107	107	1	71-133	25	

Relative Percent Difference RPD = $200 * |(C-F)/(C+F)|$

Blank Spike Recovery [D] = $100 * (C)/[B]$

Blank Spike Duplicate Recovery [G] = $100 * (F)/[E]$

All results are based on MDL and Validated for QC Purposes

Project Name: Lovington Paddock

Work Order #: 423423

Analyst: ASA

Date Prepared: 07/21/2011

Project ID: 073020

Date Analyzed: 07/21/2011

Lab Batch ID: 864919

Sample: 608522-1-BKS

Batch #: 1

Matrix: Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
Benzene	<0.00100	0.100	0.102	102	0.100	0.101	101	1	70-125	25	
Toluene	<0.00200	0.100	0.0947	95	0.100	0.0928	93	2	70-125	25	
Ethylbenzene	<0.00100	0.100	0.105	105	0.100	0.101	101	4	71-129	25	
m_p-Xylenes	<0.00200	0.200	0.203	102	0.200	0.194	97	5	70-131	25	
o-Xylene	<0.00100	0.100	0.103	103	0.100	0.0964	96	7	71-133	25	

Analyst: BEV

Date Prepared: 07/18/2011

Date Analyzed: 07/19/2011

Lab Batch ID: 864456

Sample: 608243-1-BKS

Batch #: 1

Matrix: Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
TPH-GRO	<1.50	100	104	104	100	107	107	3	70-135	25	
TPH-DRO	<1.50	100	95.9	96	100	97.3	97	1	70-135	25	

Relative Percent Difference RPD = $200 * |(C-F)/(C+F)|$

Blank Spike Recovery [D] = $100 * (C)/[B]$

Blank Spike Duplicate Recovery [G] = $100 * (F)/[E]$

All results are based on MDL and Validated for QC Purposes



Form 3 - MS Recoveries



Project Name: Lovington Paddock

Work Order #: 423423

Lab Batch #: 864456

Date Analyzed: 07/19/2011

QC- Sample ID: 423423-019 S

Reporting Units: mg/L

Date Prepared: 07/18/2011

Batch #: 1

Project ID: 073020

Analyst: BEV

Matrix: Water

MATRIX / MATRIX SPIKE RECOVERY STUDY						
TPH by SW8015 Mod	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Analytes						
TPH-GRO	<1.50	100	97.2	97	70-135	
TPH-DRO	<1.50	100	89.2	89	70-135	

Matrix Spike Percent Recovery [D] = $100 \times (C-A)/B$
Relative Percent Difference [E] = $200 \times (C-A)/(C+B)$
All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit



Form 3 - MS / MSD Recoveries



Project Name: Lovington Paddock

Work Order #: 423423

Project ID: 073020

Lab Batch ID: 864517

QC- Sample ID: 423423-010 S

Batch #: 1 Matrix: Water

Date Analyzed: 07/19/2011

Date Prepared: 07/19/2011

Analyst: ASA

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY											
BTEX by EPA 8021B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.00100	0.100	0.102	102	0.100	0.107	107	5	70-125	25	
Toluene	<0.00200	0.100	0.0952	95	0.100	0.100	100	5	70-125	25	
Ethylbenzene	<0.00100	0.100	0.102	102	0.100	0.109	109	7	71-129	25	
m_p-Xylenes	<0.00200	0.200	0.195	98	0.200	0.205	103	5	70-131	25	
o-Xylene	<0.00100	0.100	0.0980	98	0.100	0.105	105	7	71-133	25	

Lab Batch ID: 864919

QC- Sample ID: 423423-018 S

Batch #: 1 Matrix: Water

Date Analyzed: 07/22/2011

Date Prepared: 07/21/2011

Analyst: ASA

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY											
BTEX by EPA 8021B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.00100	0.100	0.0992	99	0.100	0.107	107	8	70-125	25	
Toluene	<0.00200	0.100	0.0914	91	0.100	0.0987	99	8	70-125	25	
Ethylbenzene	<0.00100	0.100	0.0994	99	0.100	0.107	107	7	71-129	25	
m_p-Xylenes	<0.00200	0.200	0.189	95	0.200	0.203	102	7	70-131	25	
o-Xylene	<0.00100	0.100	0.0984	98	0.100	0.104	104	6	71-133	25	

Matrix Spike Percent Recovery $[D] = 100 * (C - A) / B$
Relative Percent Difference $RPD = 200 * |(C - F) / (C + F)|$

Matrix Spike Duplicate Percent Recovery $[G] = 100 * (F - A) / E$

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not

ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Xenco Laboratories

The Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12800 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager:

Company Name

Company Address:

City/State/Zip:

Telephone No:

Sampler Signature:

Project Name: JOHN SWABBLE

Project #: 073020

Project Loc: NM

PO #:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Fax No:

e-mail:

(lab use only)

ORDER #:

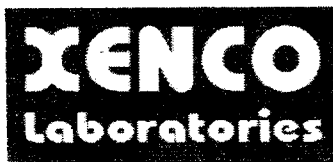
Lab # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers	Matrix	Analyze For:
								HCl HNO ₃ H ₂ SO ₄ NaOH Na ₂ CO ₃ None Other (Specify)	DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Sediment NP=Non-Portable Specify Other	TCLP: TOTAL: TPH: TX 1005 TX 1006 Cations (Ca, Mg, Na, K) Anions (Cl, SO ₄ , Alkalinity) SAR/ESP/CEC Metals: As Ag Ba Cd Cr Pb Hg Se Volatiles Semi-volatiles BTEX 8021 B5030 or BTEX 8260 RCI NORM BTEX 8021 B5030 or BTEX 8260 Standard TAT RUSH TAT (Pre-Schedule) 24, 48, 72 hrs
011	BW-2 071411			7-14-11	1150		5		GW	
012	BW-3 071411			7-14-11	1250		5		GW	
013	MW-P 071411			7-14-11	1457		5		GW	
014	MW-N 071411			7-14-11	1420		5		GW	
015	MW-G 071411			7-14-11	1435		5		GW	
016	MW-L 071411			7-14-11	1444		5		GW	
017	MW-1 071411			7-14-11	1452		5		GW	
018	DP-1			7-14-11			5		GW	
019	DP-2			7-14-11			5		GW	

Special Instructions:

Laboratory Comments:

☐ Sample Containers Intact?
☐ VOCs Free of HeadSpace?
☐ Labels on container(s)
☐ Custody seals on container(s)
☐ Sample Hand Delivered
☐ by Sampler/Client Rep. ?
☐ by Courier? ☐ UPS ☐ DHL ☐ FedEx ☐ Lone Star
☐ Temperature Upon Receipt: 6 °C

Relinquished by: <u>[Signature]</u>	Date: <u>7-18-11</u>	Time: <u>1057</u>	Received by: <u>[Signature]</u>	Date: <u>7-18-11</u>	Time: <u>1057</u>
Relinquished by: <u>[Signature]</u>	Date: <u>7-18-11</u>	Time: <u>1057</u>	Received by: <u>[Signature]</u>	Date: <u>7-18-11</u>	Time: <u>1057</u>
Relinquished by: <u>[Signature]</u>	Date: <u>7-18-11</u>	Time: <u>1057</u>	Received by: <u>[Signature]</u>	Date: <u>7-18-11</u>	Time: <u>1057</u>



XENCO Laboratories
Atlanta, Boca Raton, Corpus Christi, Dallas
Houston, Miami, Odessa, Philadelphia
Phoenix, San Antonio, Tampa

Document Title: Sample Receipt Checklist
Document No.: SYS-SRC
Revision/Date: No. 01, 5/27/2010
Effective Date: 6/1/2010 Page 1 of 1

Prelogin / Nonconformance Report - Sample Log-In

Client: CRA
Date/Time: 7-18-11 10:57
Lab ID #: 423423
Initials: LM

Sample Receipt Checklist

1. Samples on ice?	Blue	<u>Water</u>	No	
2. Shipping container in good condition?	<u>Yes</u>	No	None	
3. Custody seals intact on shipping container (cooler) and bottles?	Yes	No	<u>N/A</u>	
4. Chain of Custody present?	<u>Yes</u>	No		
5. Sample instructions complete on chain of custody?	<u>Yes</u>	No		
6. Any missing / extra samples?	Yes	<u>No</u>		
7. Chain of custody signed when relinquished / received?	<u>Yes</u>	No		
8. Chain of custody agrees with sample label(s)?	<u>Yes</u>	No		
9. Container labels legible and intact?	<u>Yes</u>	No		
10. Sample matrix / properties agree with chain of custody?	<u>Yes</u>	No		
11. Samples in proper container / bottle?	<u>Yes</u>	No		
12. Samples properly preserved?	<u>Yes</u>	No	N/A	
13. Sample container intact?	<u>Yes</u>	No		
14. Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No		
15. All samples received within sufficient hold time?	<u>Yes</u>	No		
16. Subcontract of sample(s)?	Yes	<u>No</u>	N/A	
17. VOC sample have zero head space?	<u>Yes</u>	No	N/A	
18. Cooler 1 No.	Cooler 2 No.	Cooler 3 No.	Cooler 4 No.	Cooler 5 No.
lbs <u>6</u> °C	lbs °C	lbs °C	lbs °C	lbs °C

Nonconformance Documentation

Contact: _____ Contacted by: _____ Date/Time: _____

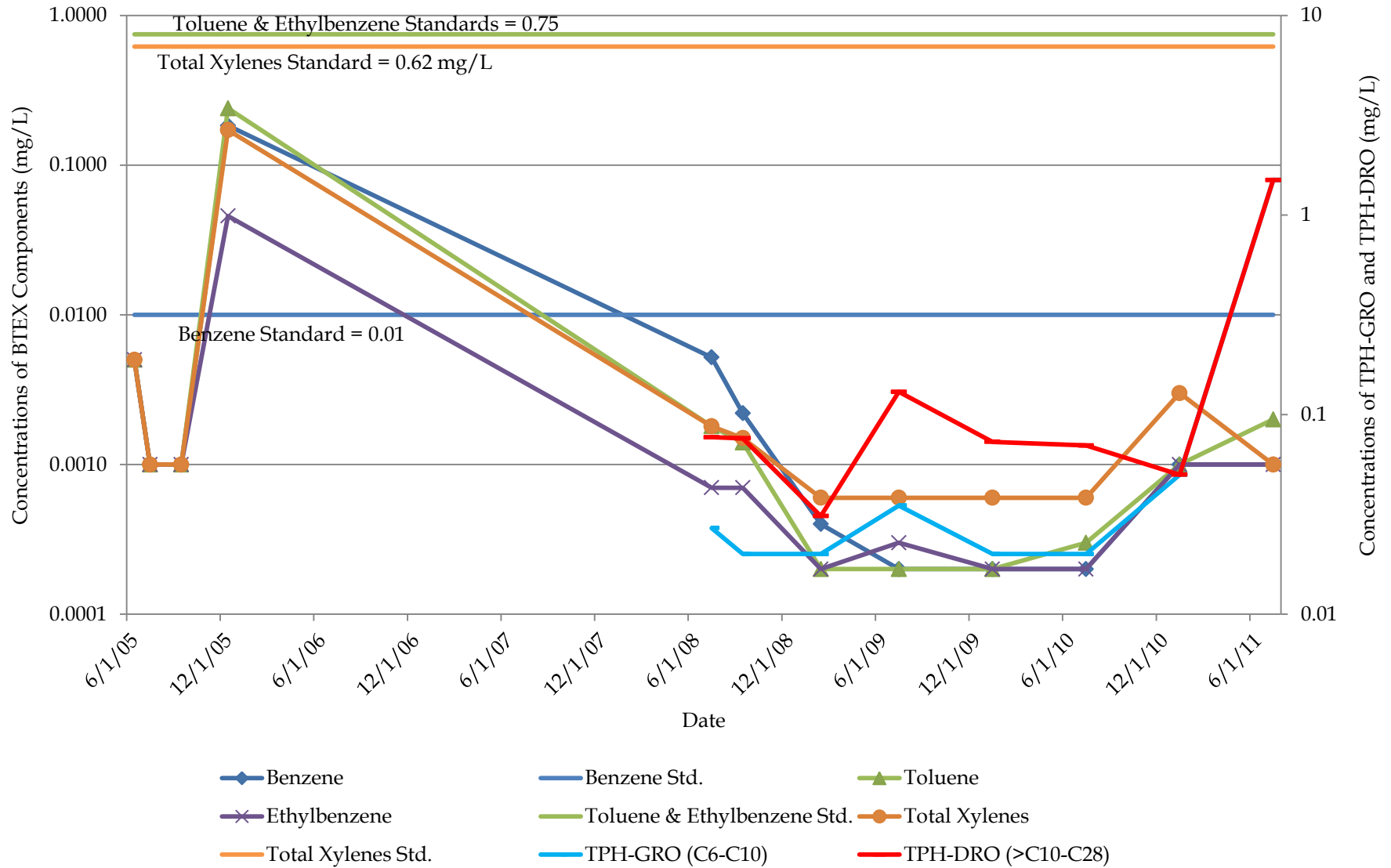
Regarding: _____

Corrective Action Taken: _____

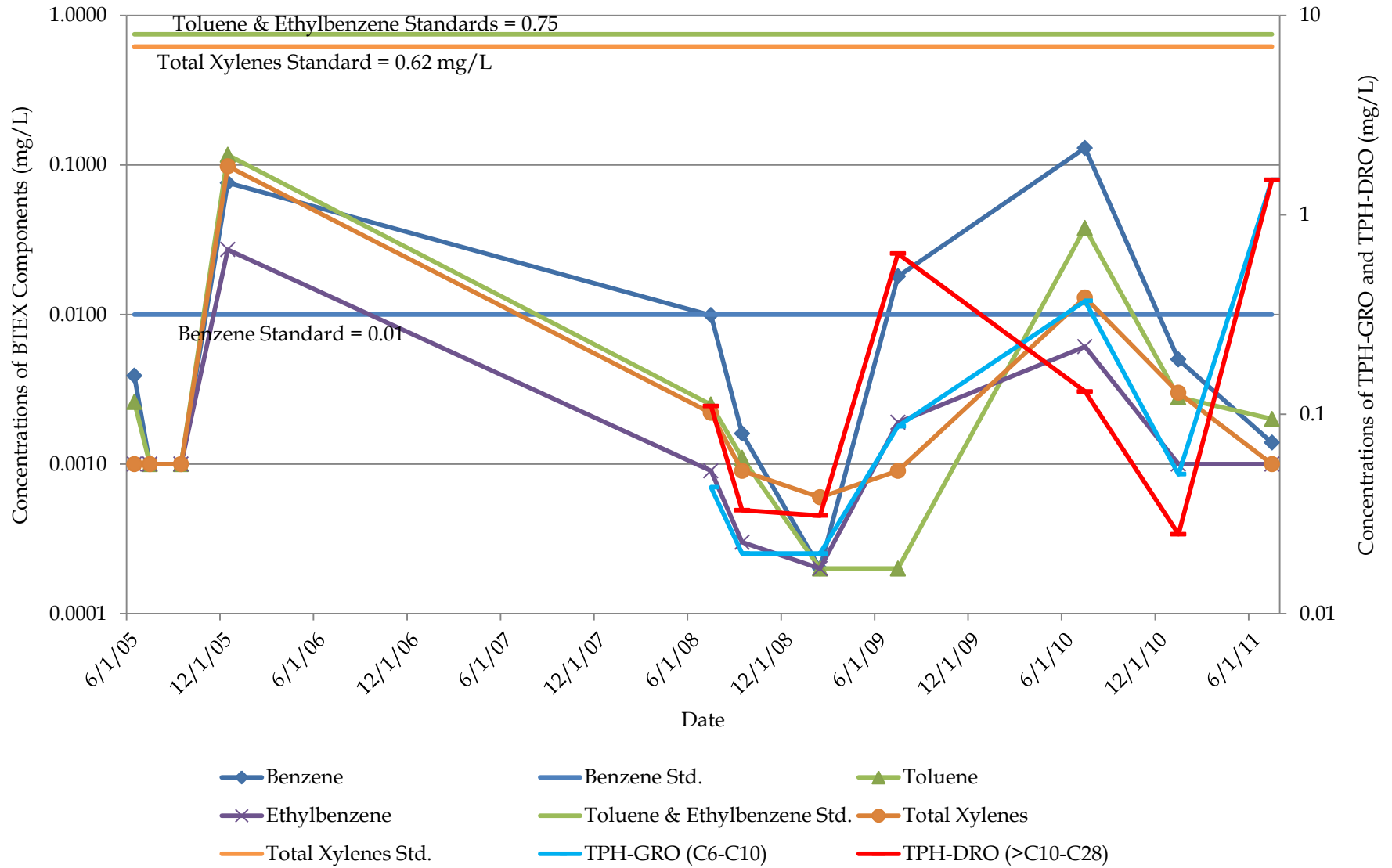
Check all that apply: ☐ Cooling process has begun shortly after sampling event and out of temperature condition acceptable by NELAC 5.5.8.3.1.a.1.
☐ Initial and Backup Temperature confirm out of temperature conditions
☐ Client understands and would like to proceed with analysis

APPENDIX B

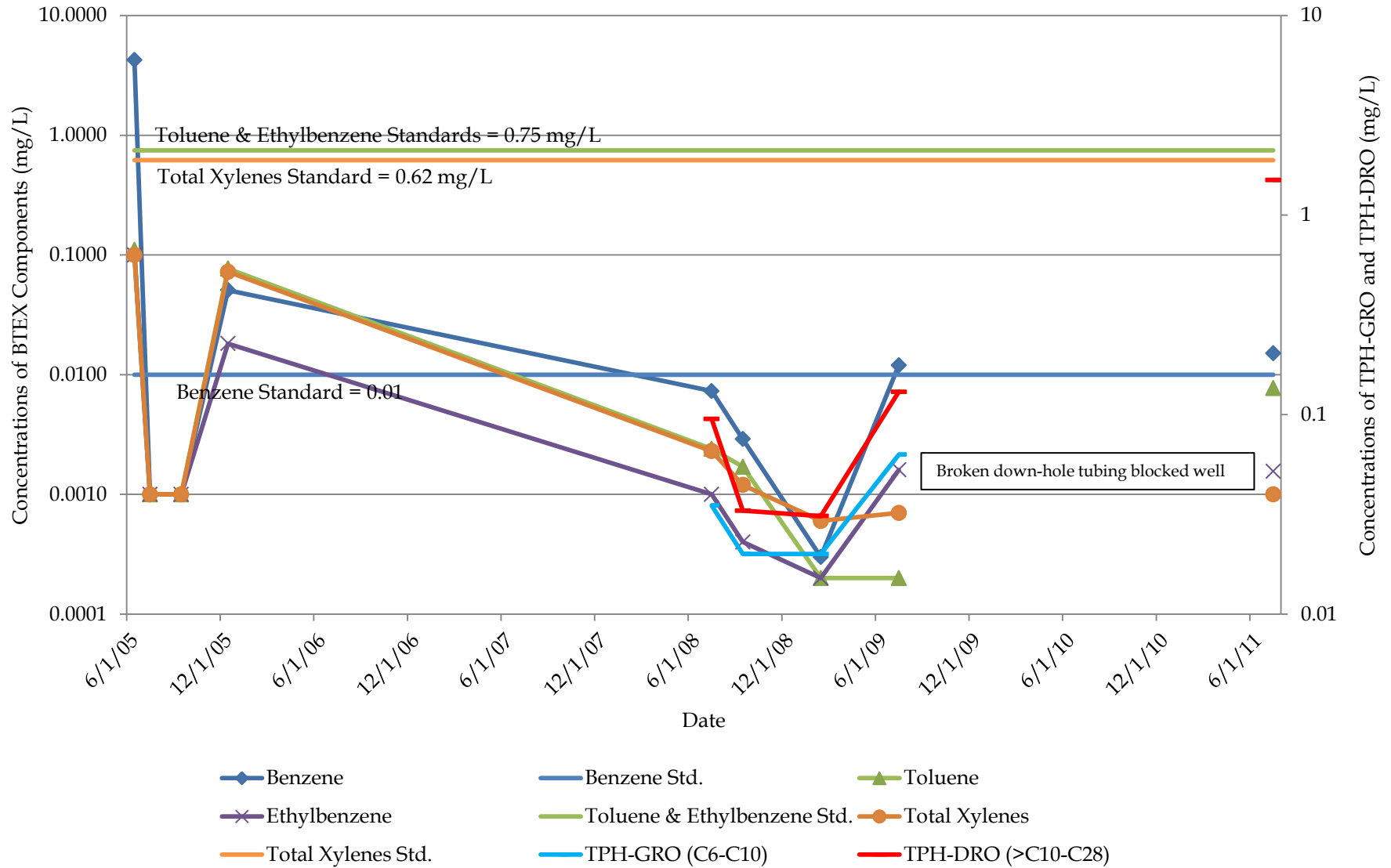
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 Lovington Paddock Groundwater Remediation Site
 Section 1-T17S-R36E, Lea County, NM
 BW-1



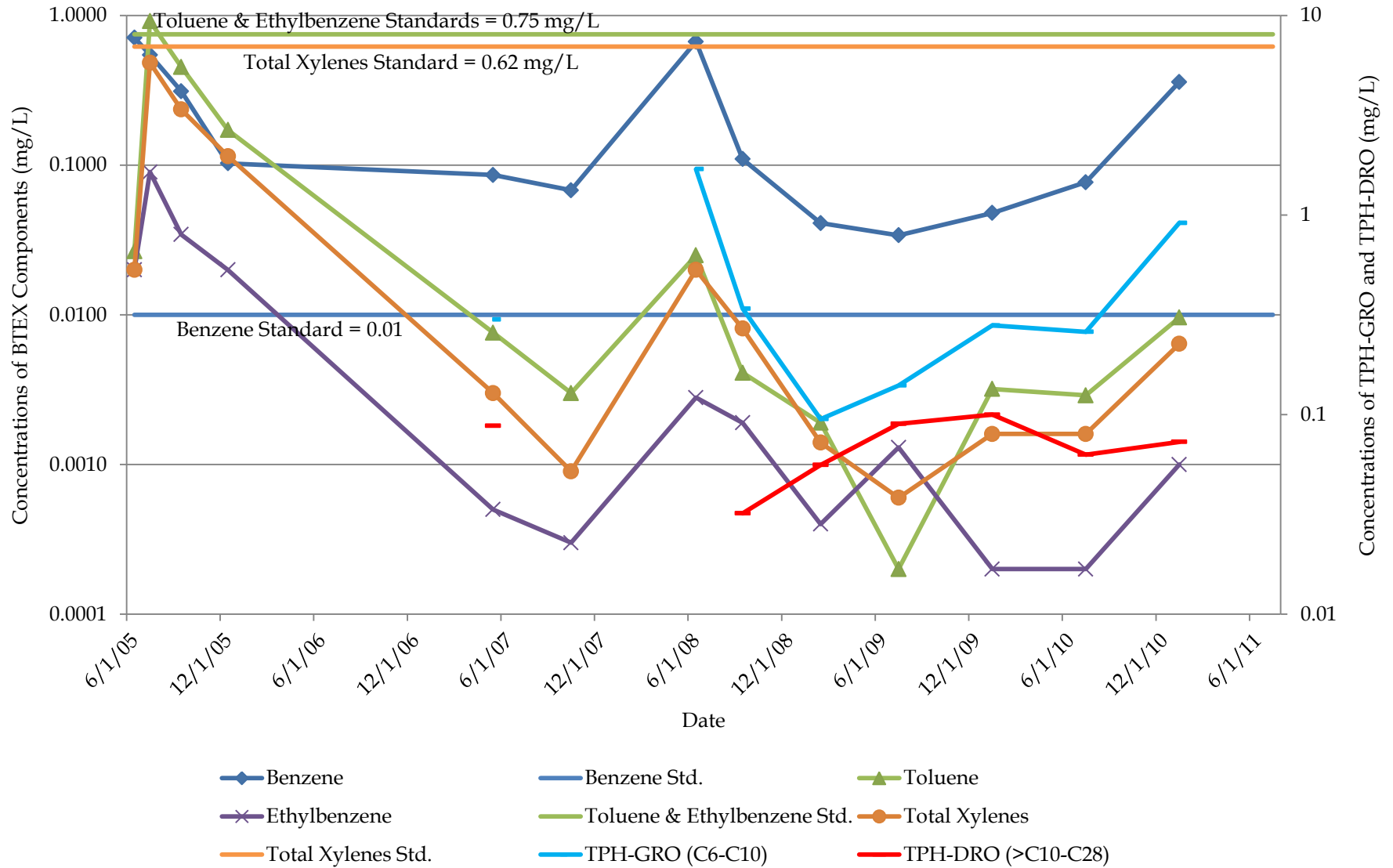
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 Section 1-T17S-R36E, Lea County, NM
 BW-2



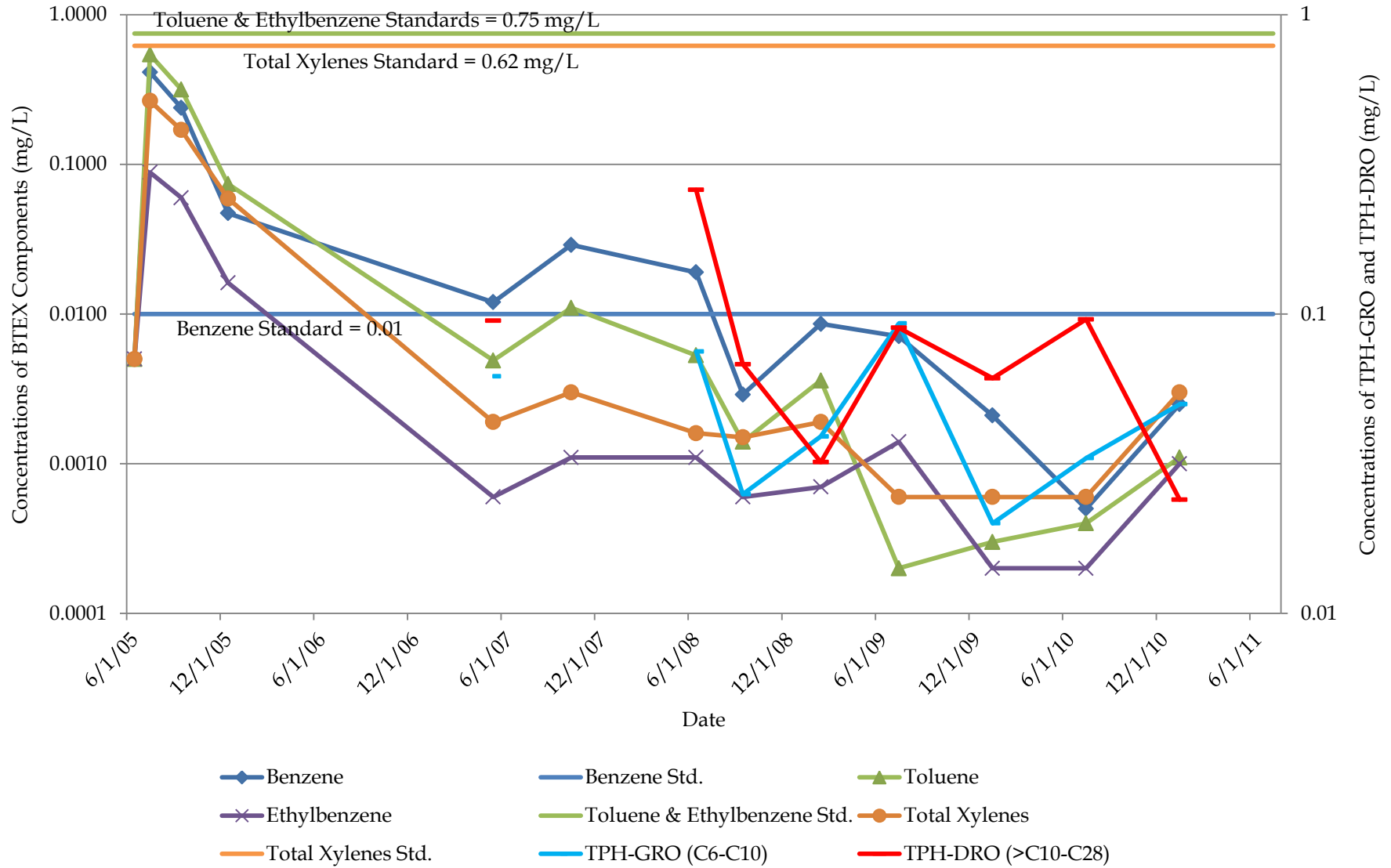
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 BW-3



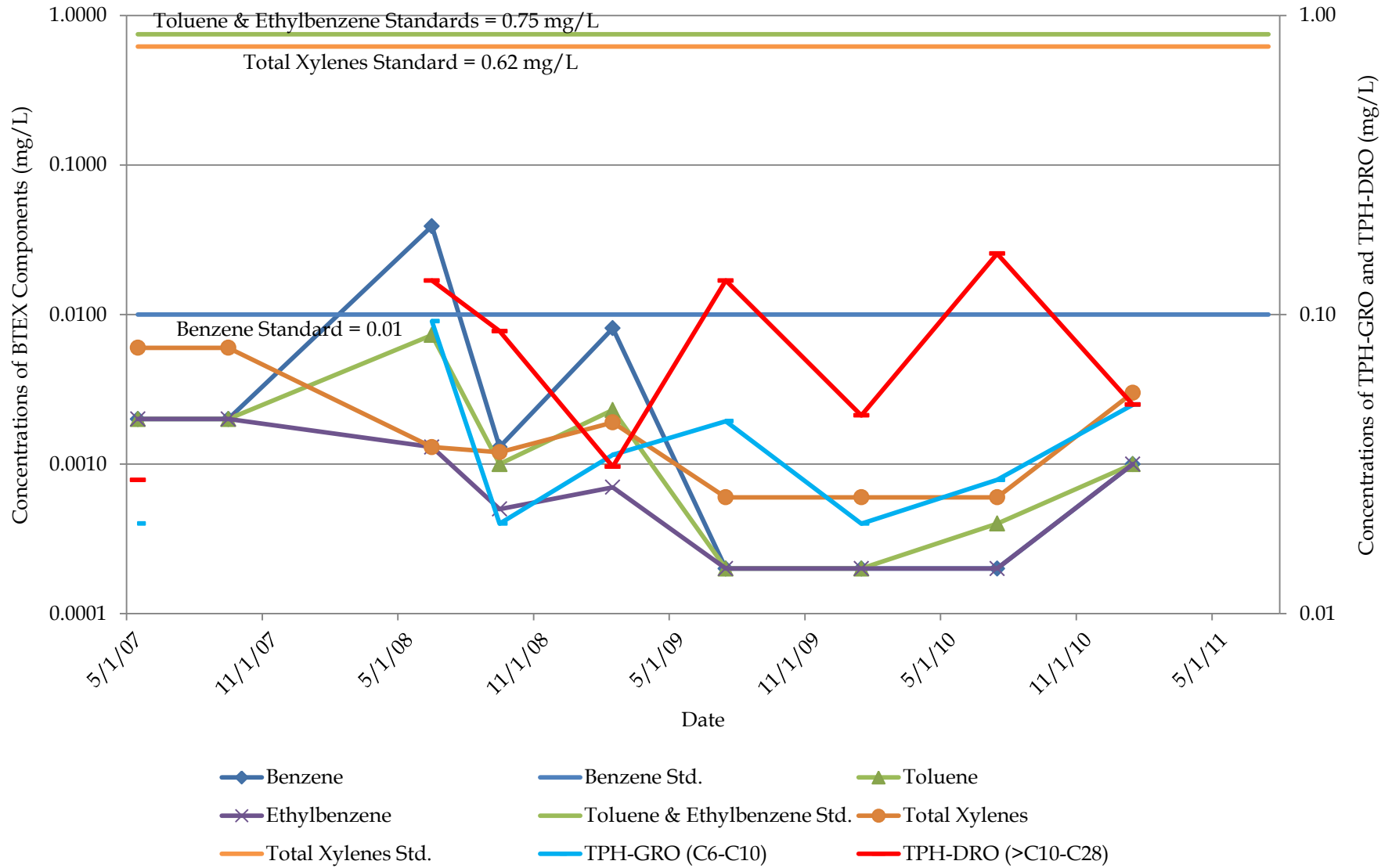
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 Section 1-T17S-R36E, Lea County, NM
 MW-B



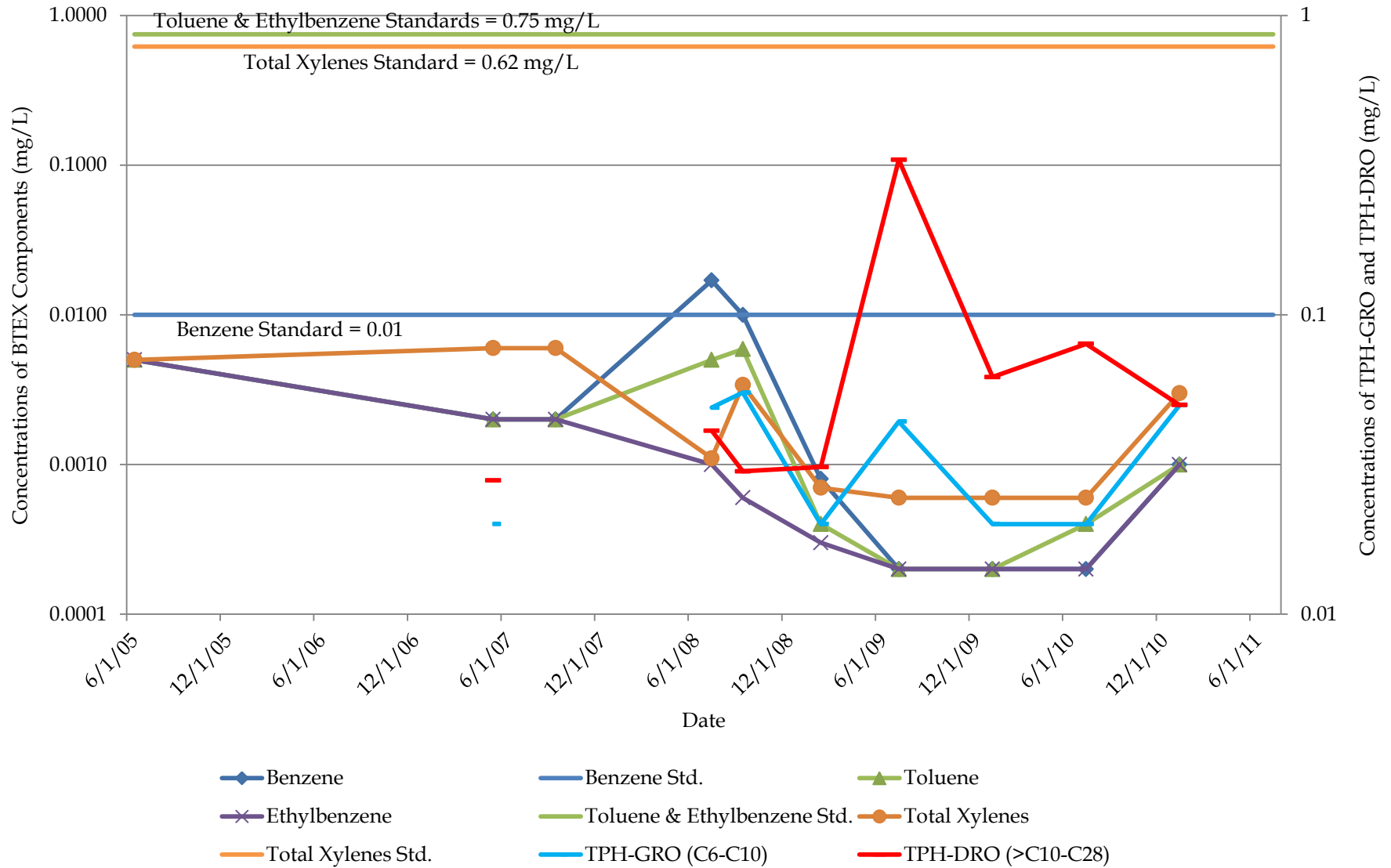
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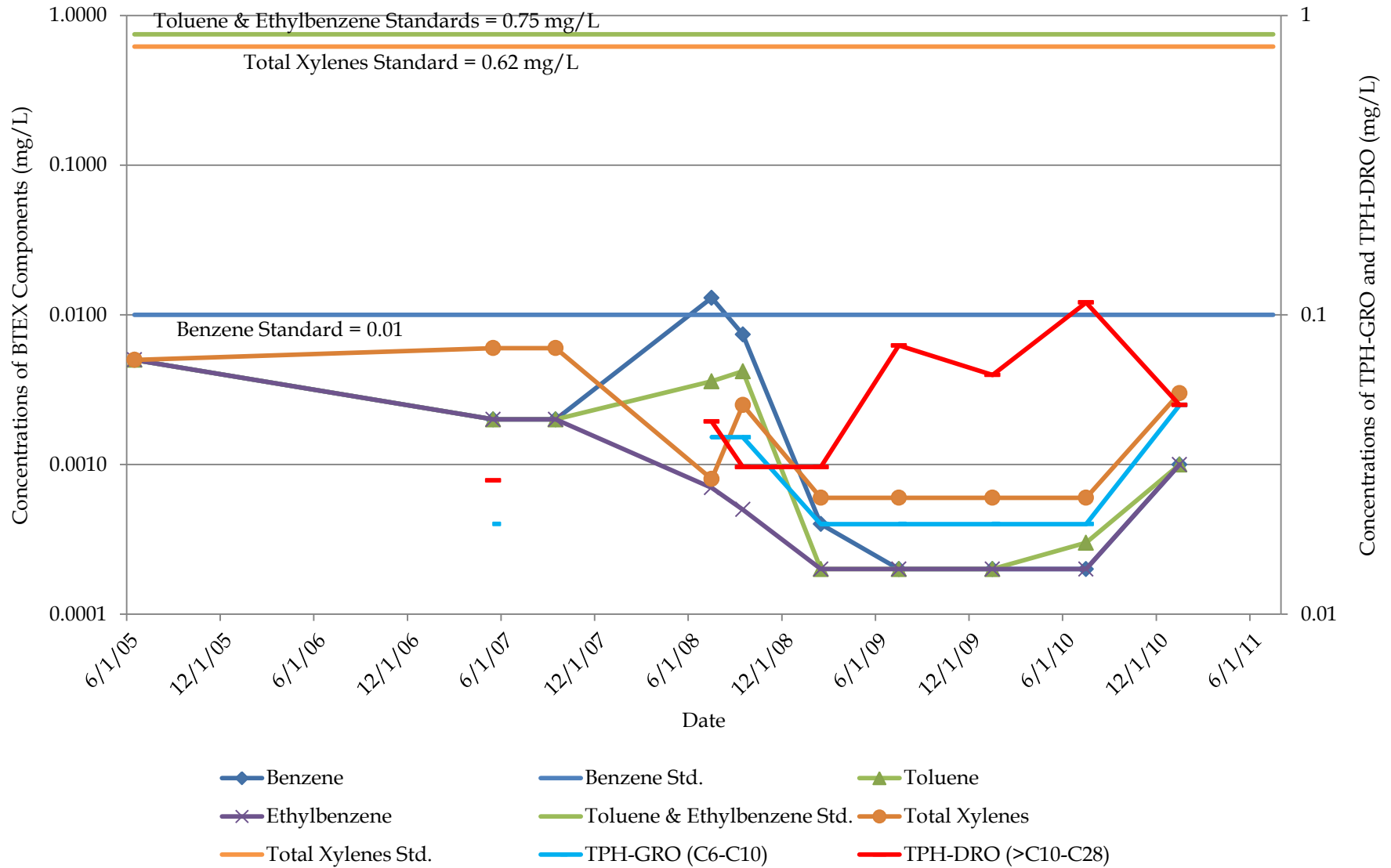
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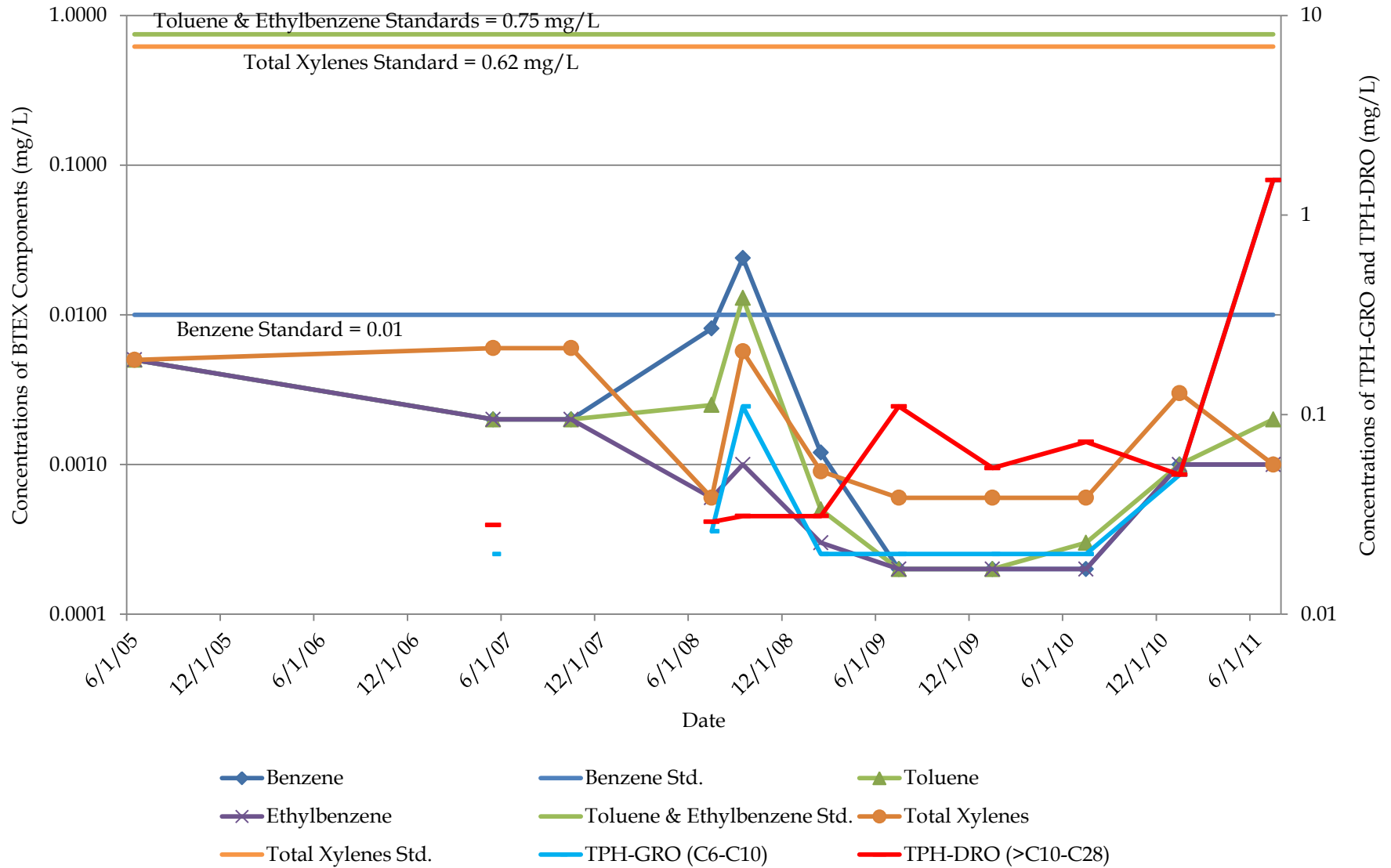
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 MW-E



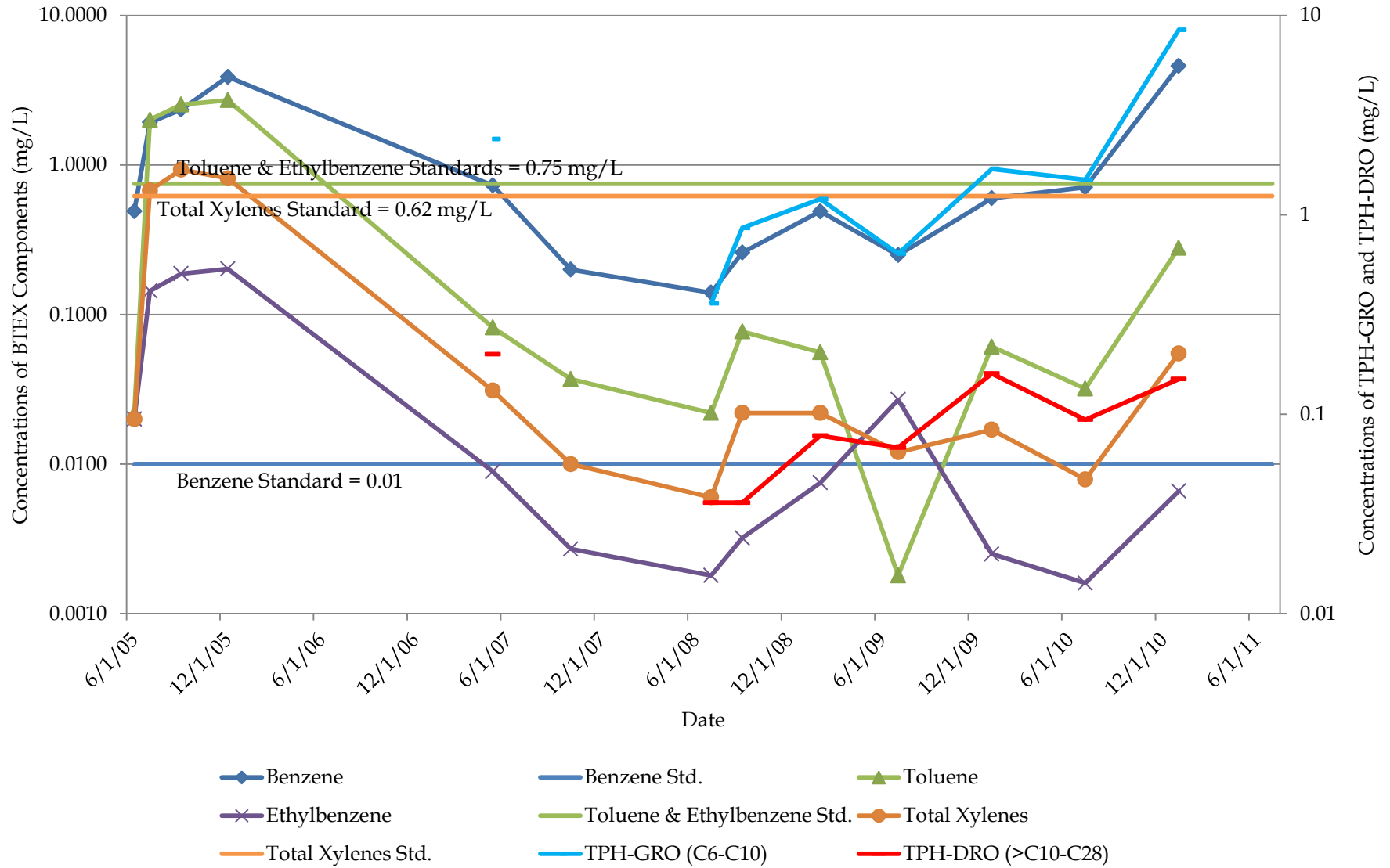
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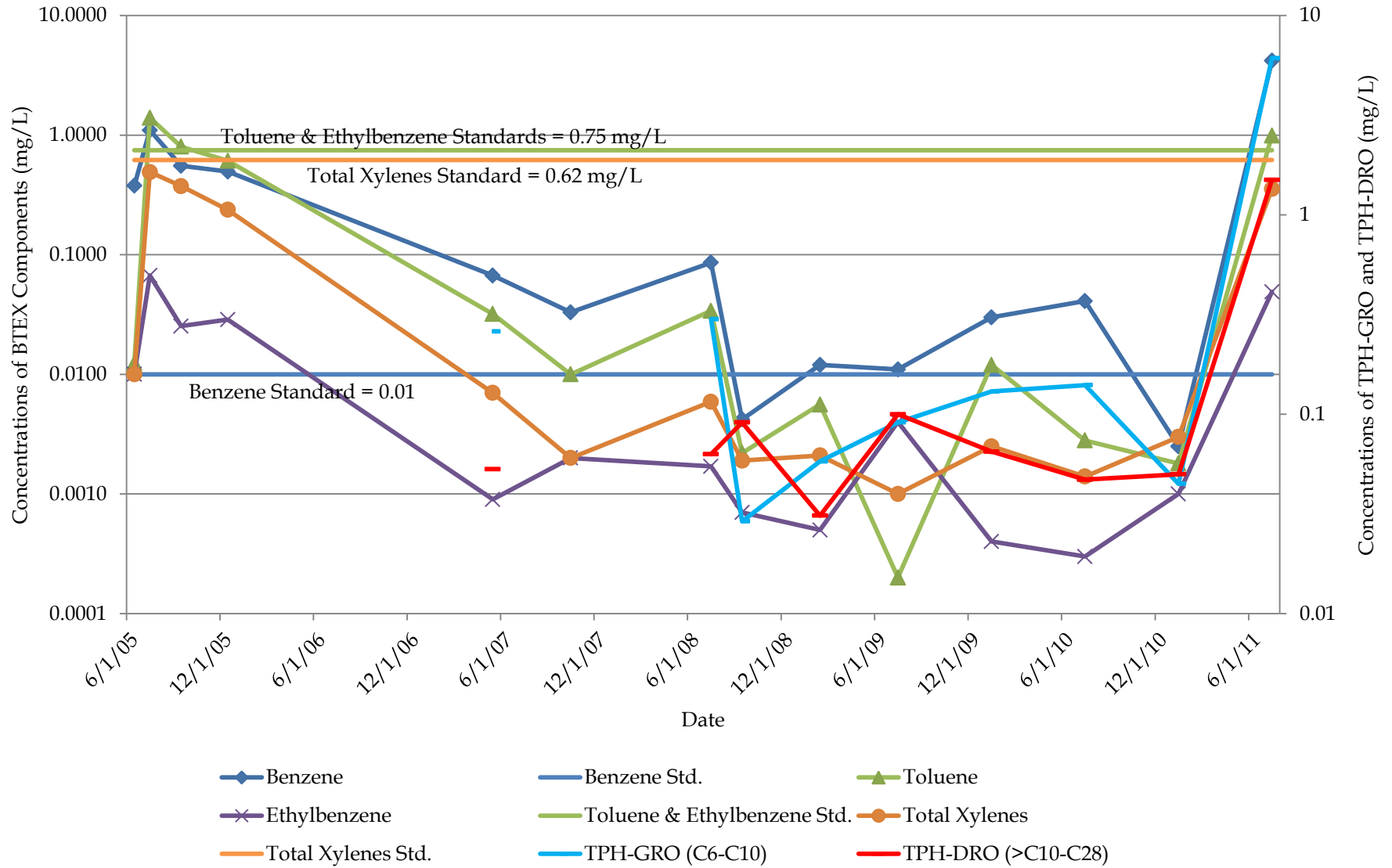
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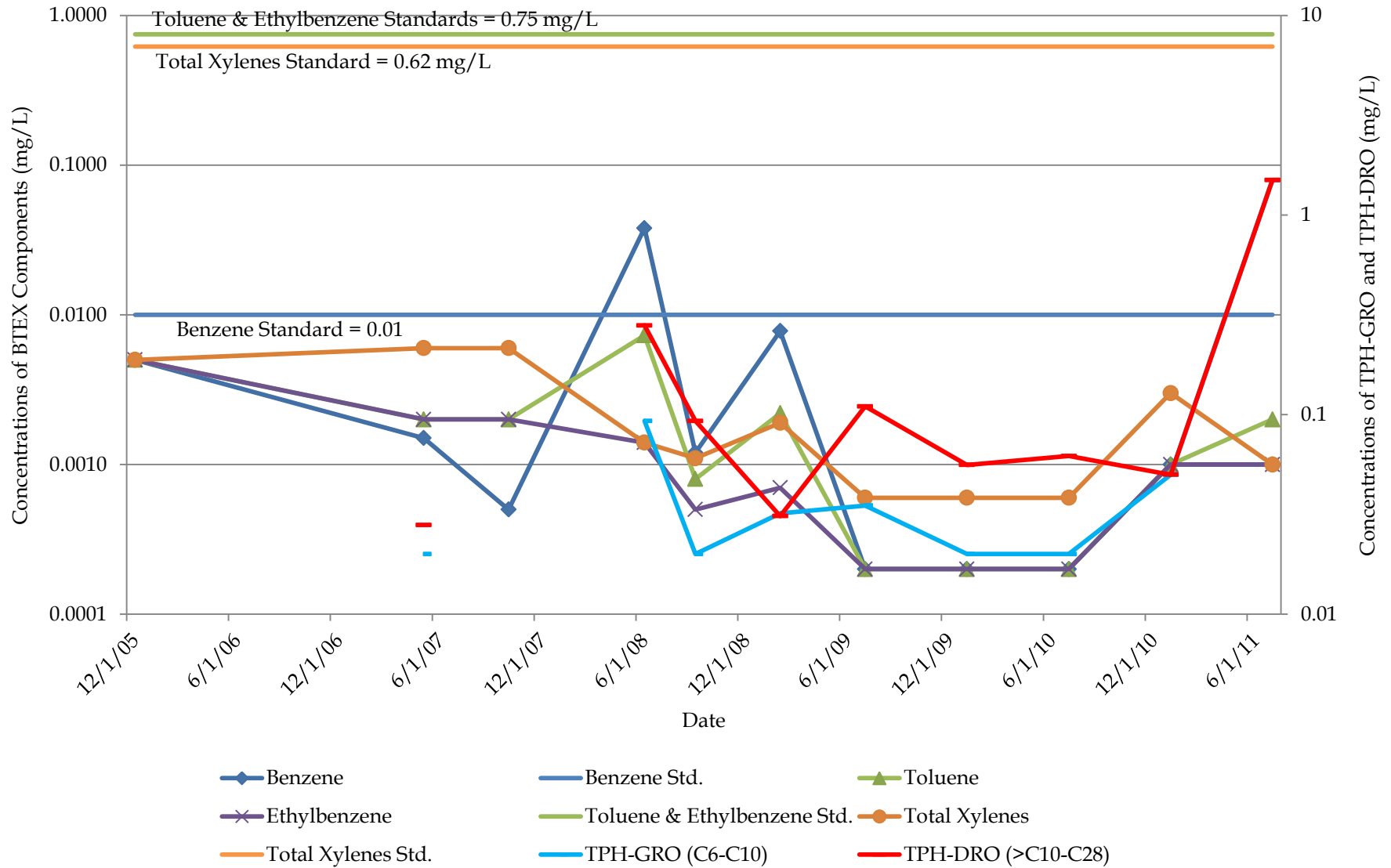
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 Lovington Paddock Groundwater Remediation Site
 Section 1-T17S-R36E, Lea County, NM
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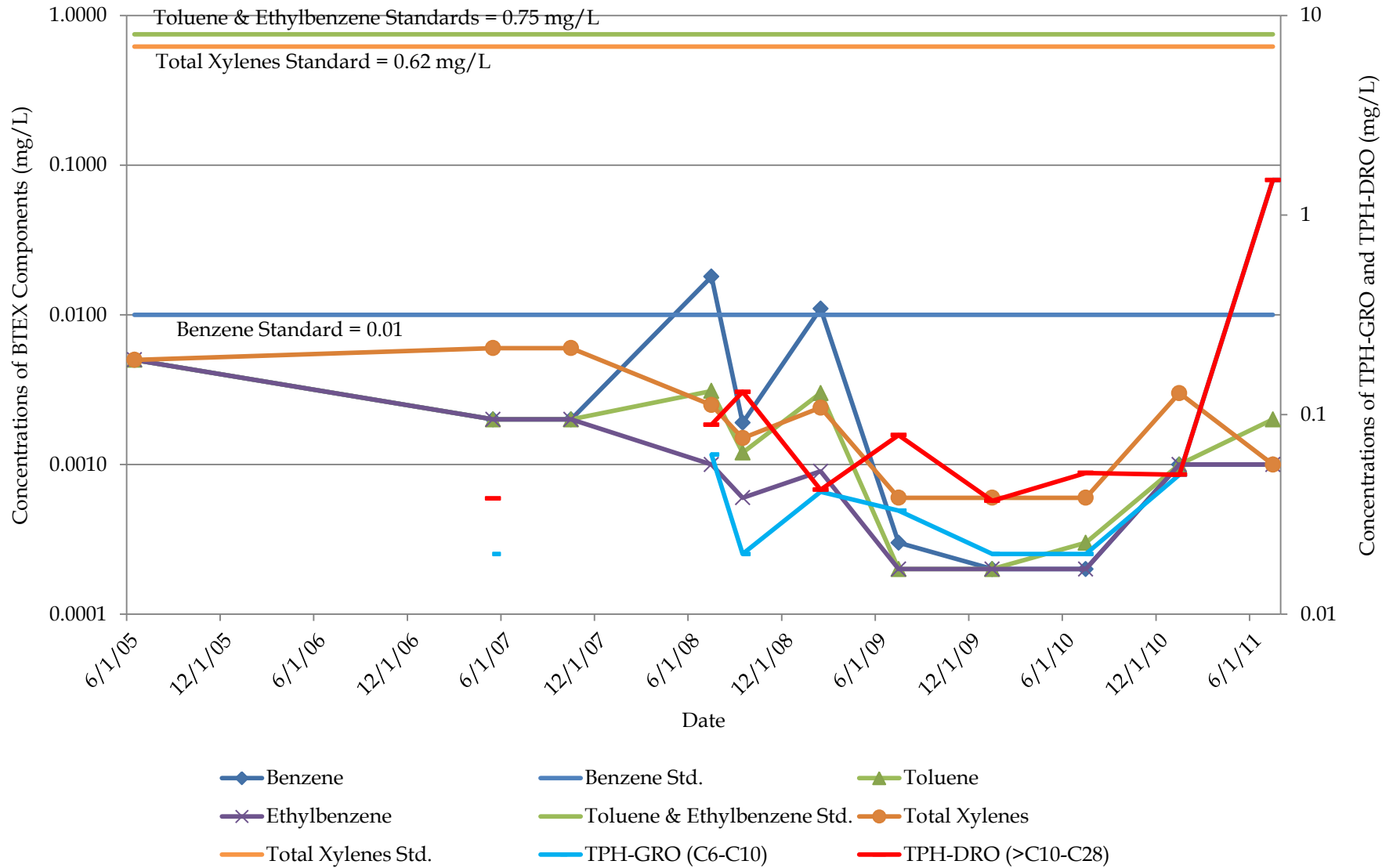
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 Section 1-T17S-R36E, Lea County, NM
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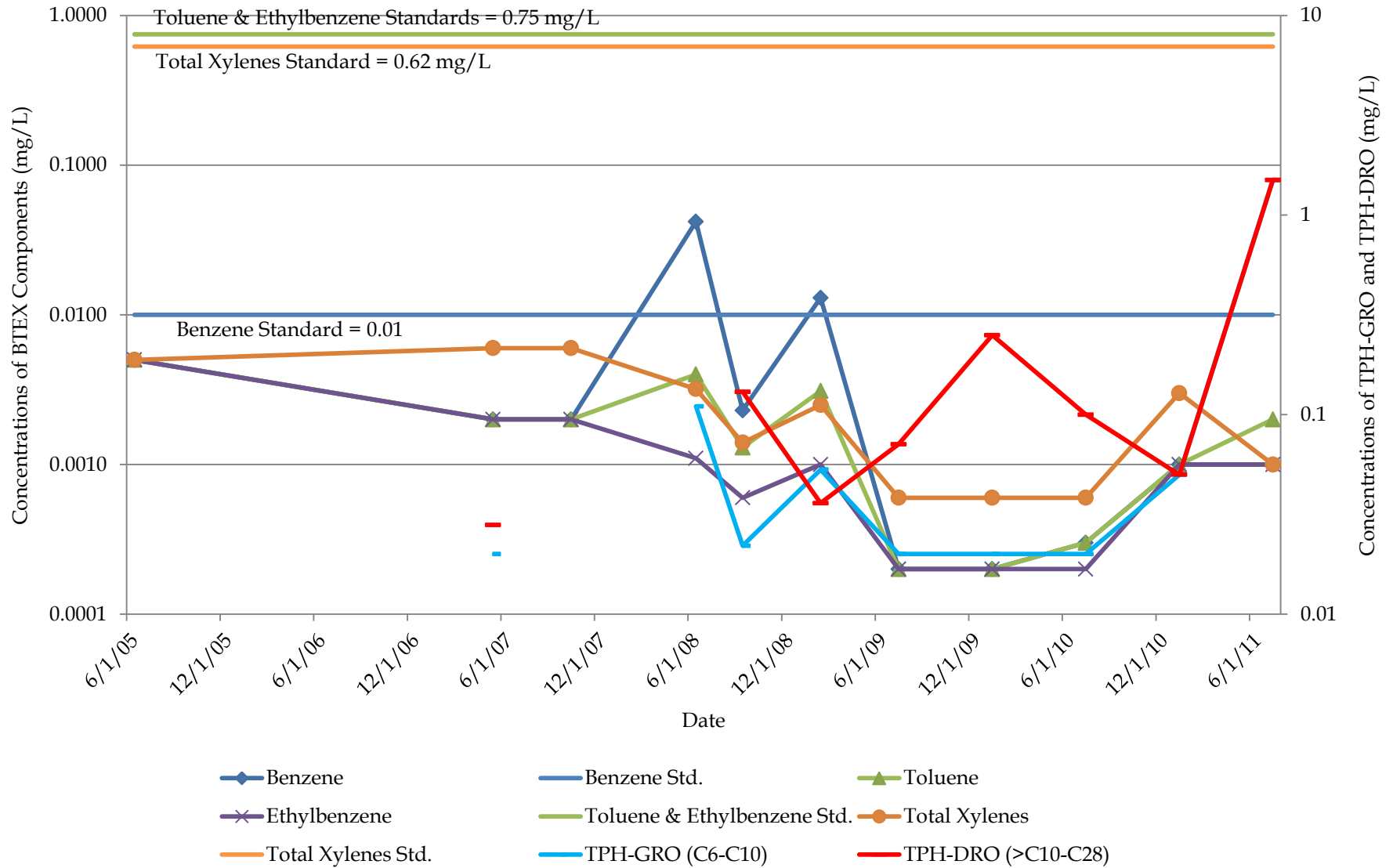
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 Section 1-T17S-R36E, Lea County, NM
 MW-J



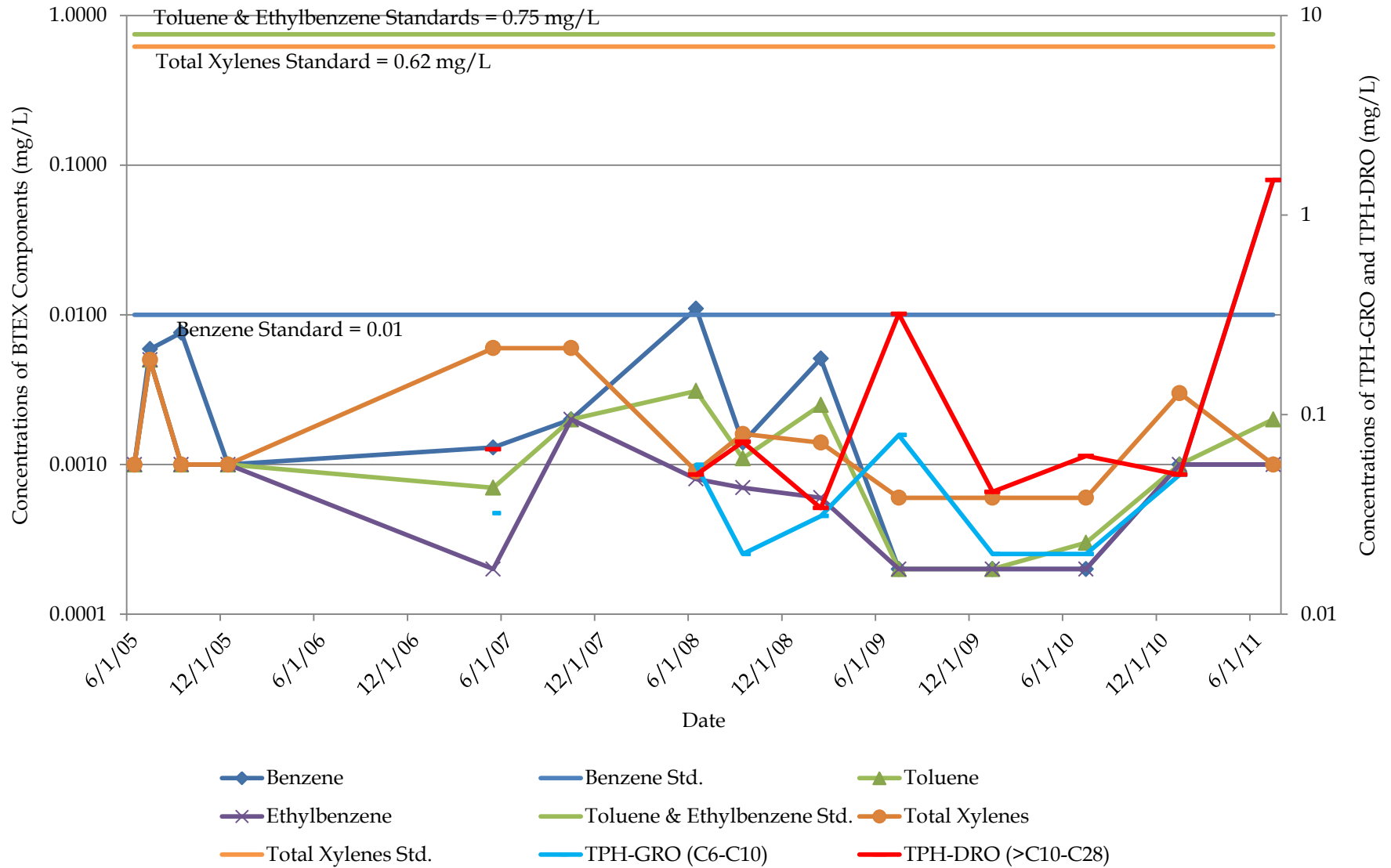
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 Section 1-T17S-R36E, Lea County, NM
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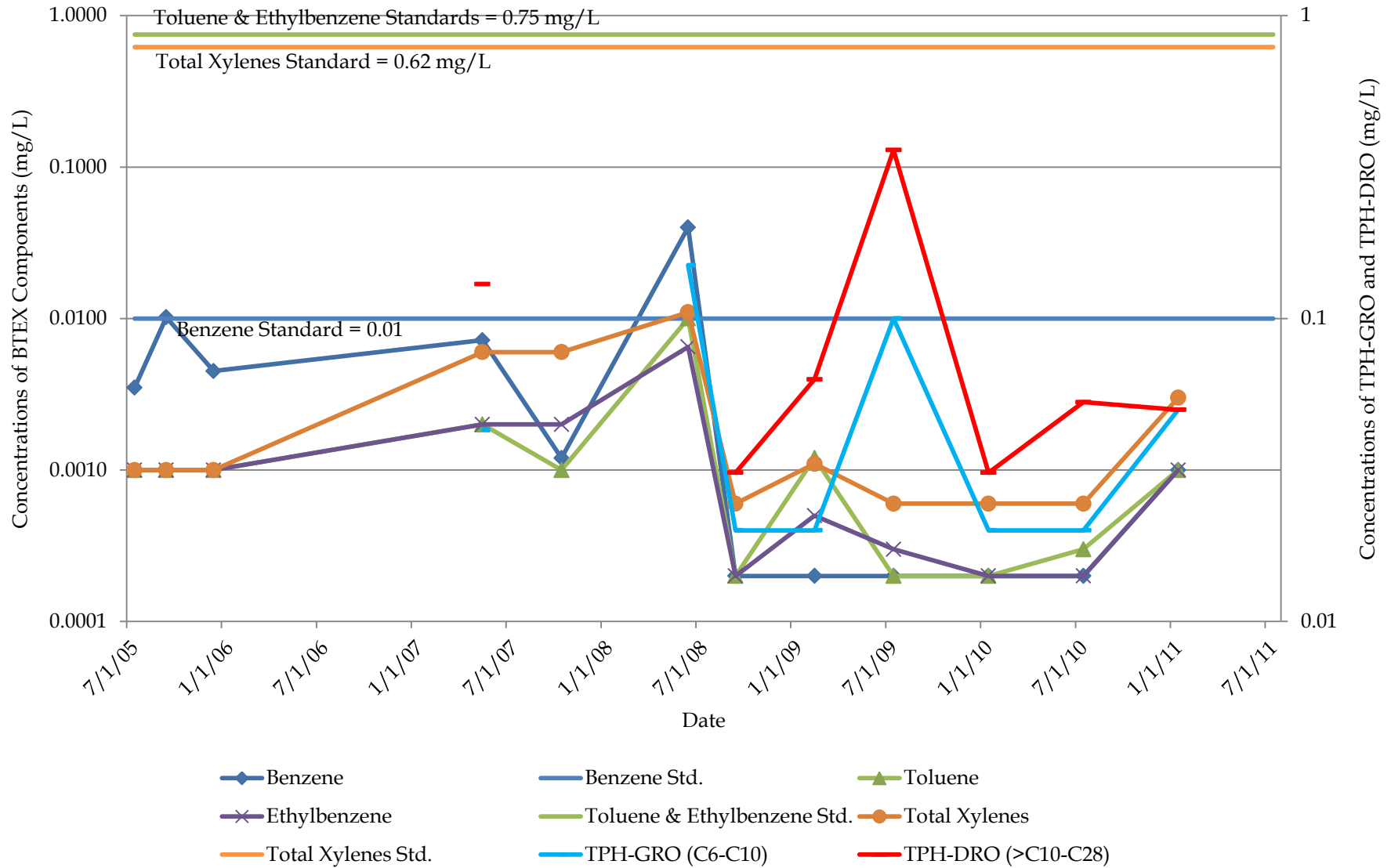
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 Section 1-T17S-R36E, Lea County, NM
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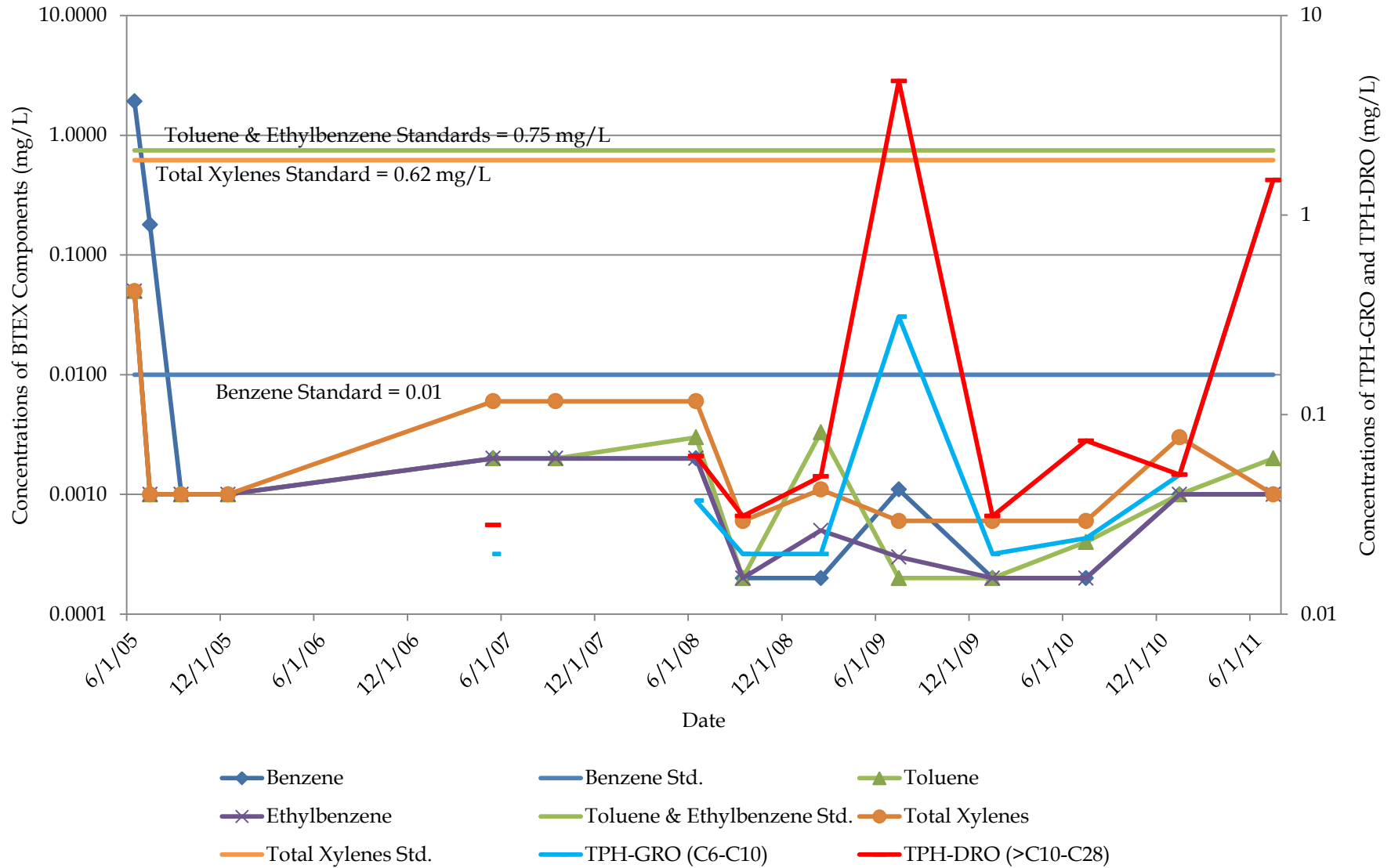
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 Section 1-T17S-R36E, Lea County, NM
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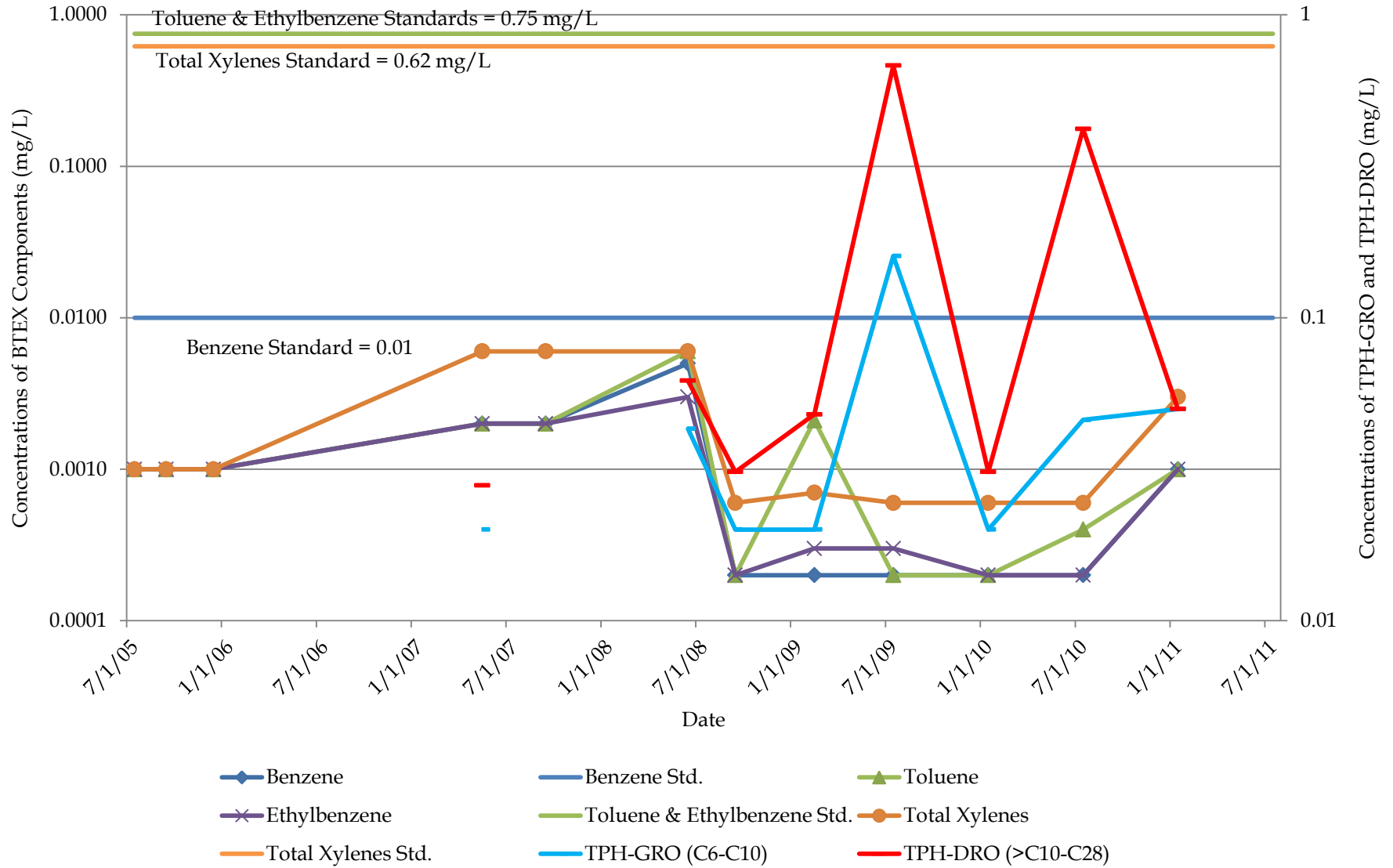
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 Section 1-T17S-R36E, Lea County, NM
 MW-O



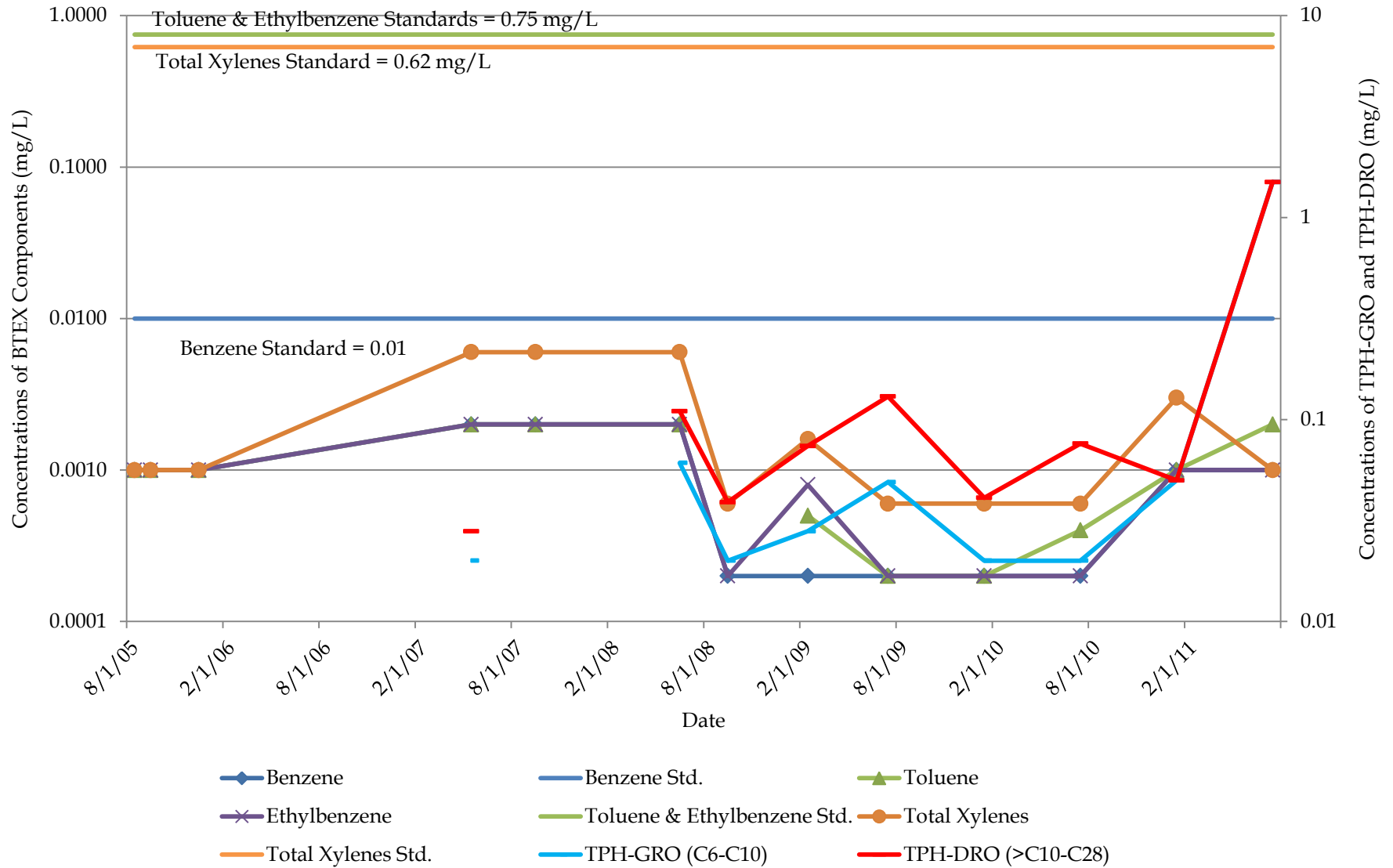
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 Section 1-T17S-R36E, Lea County, NM
 MW-P



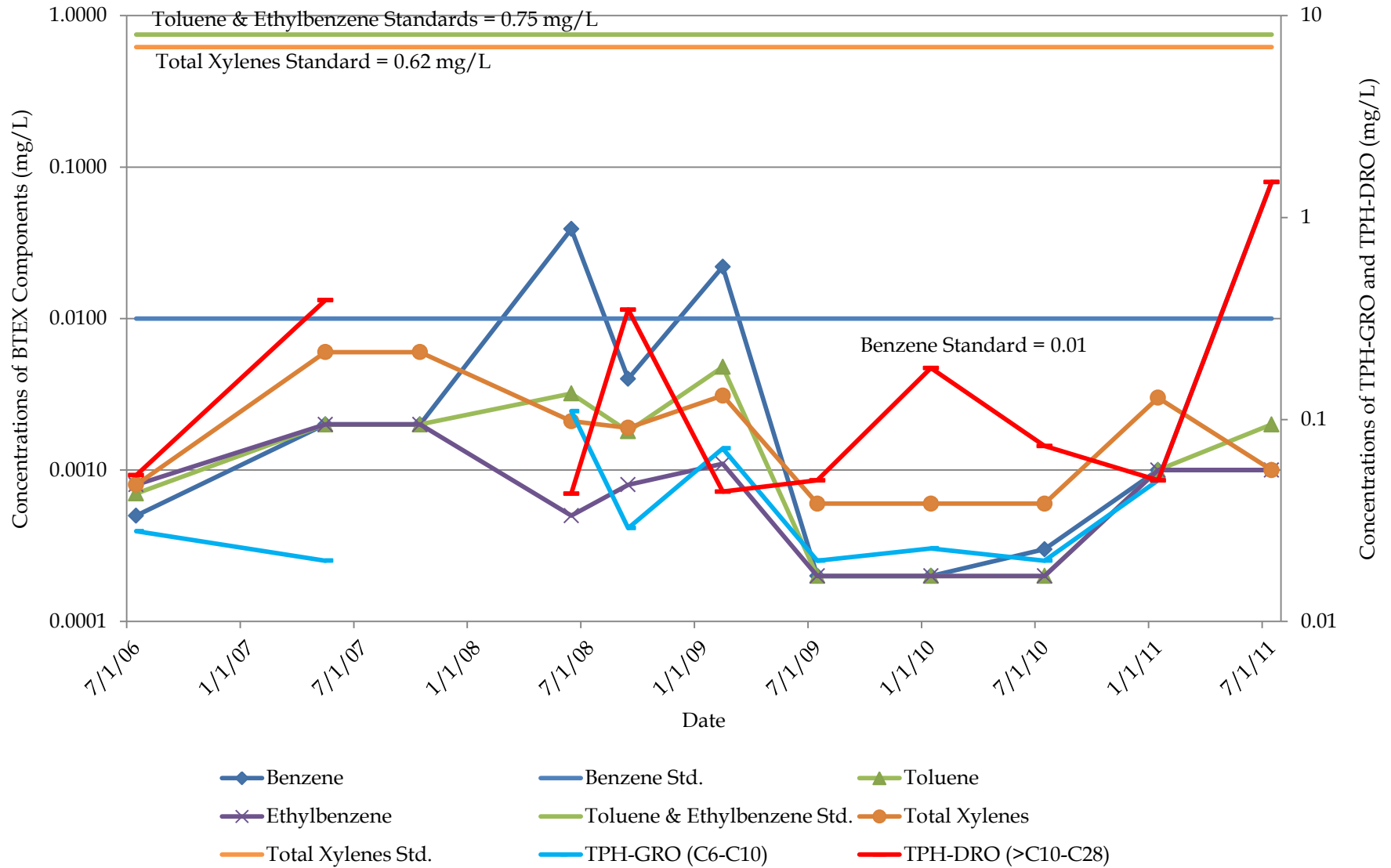
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 Lovington Paddock Groundwater Remediation Site
 Section 1-T17S-R36E, Lea County, NM
 MW-Q



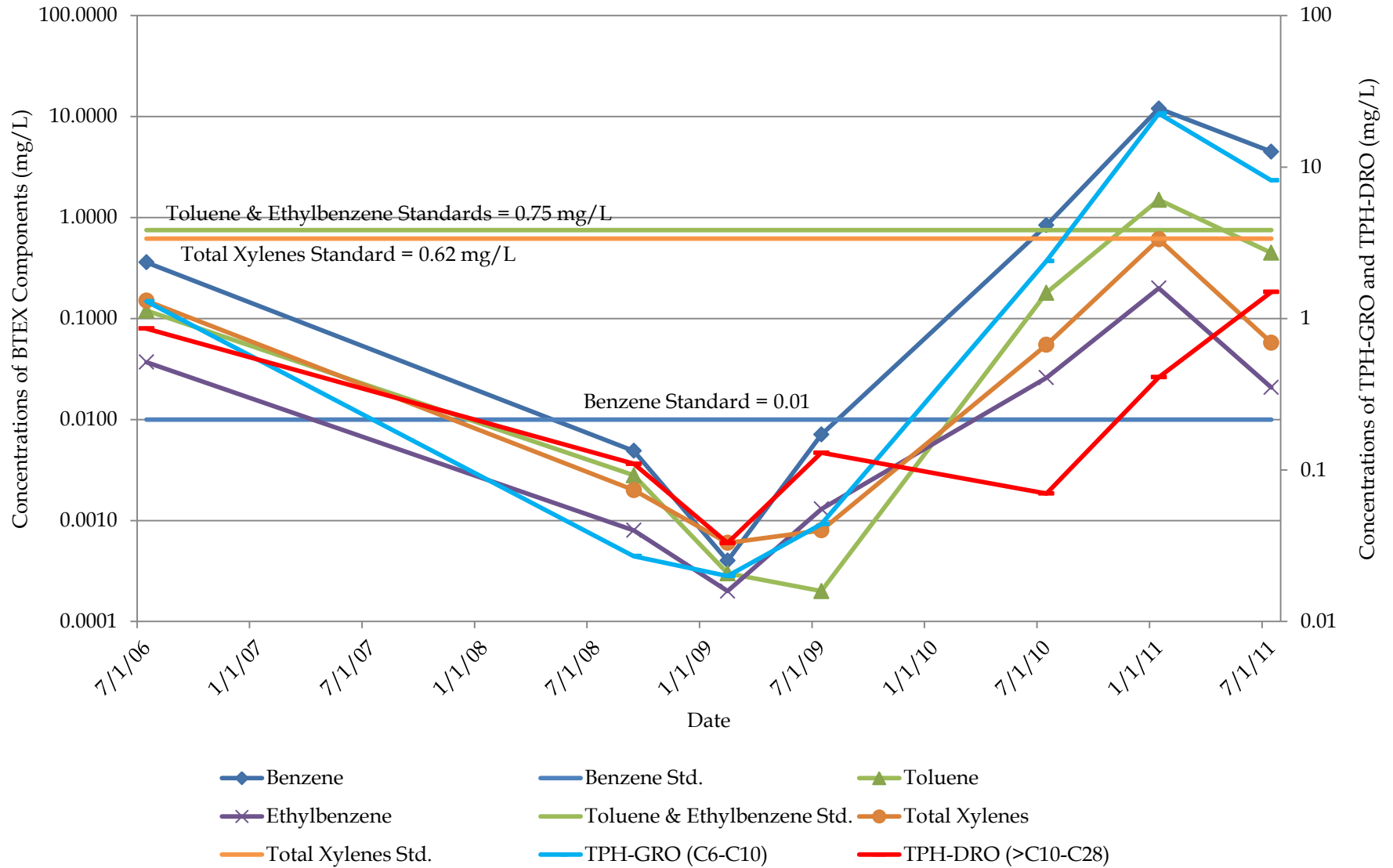
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 Lovington Paddock Groundwater Remediation Site
 Section 1-T17S-R36E, Lea County, NM
 MW-R



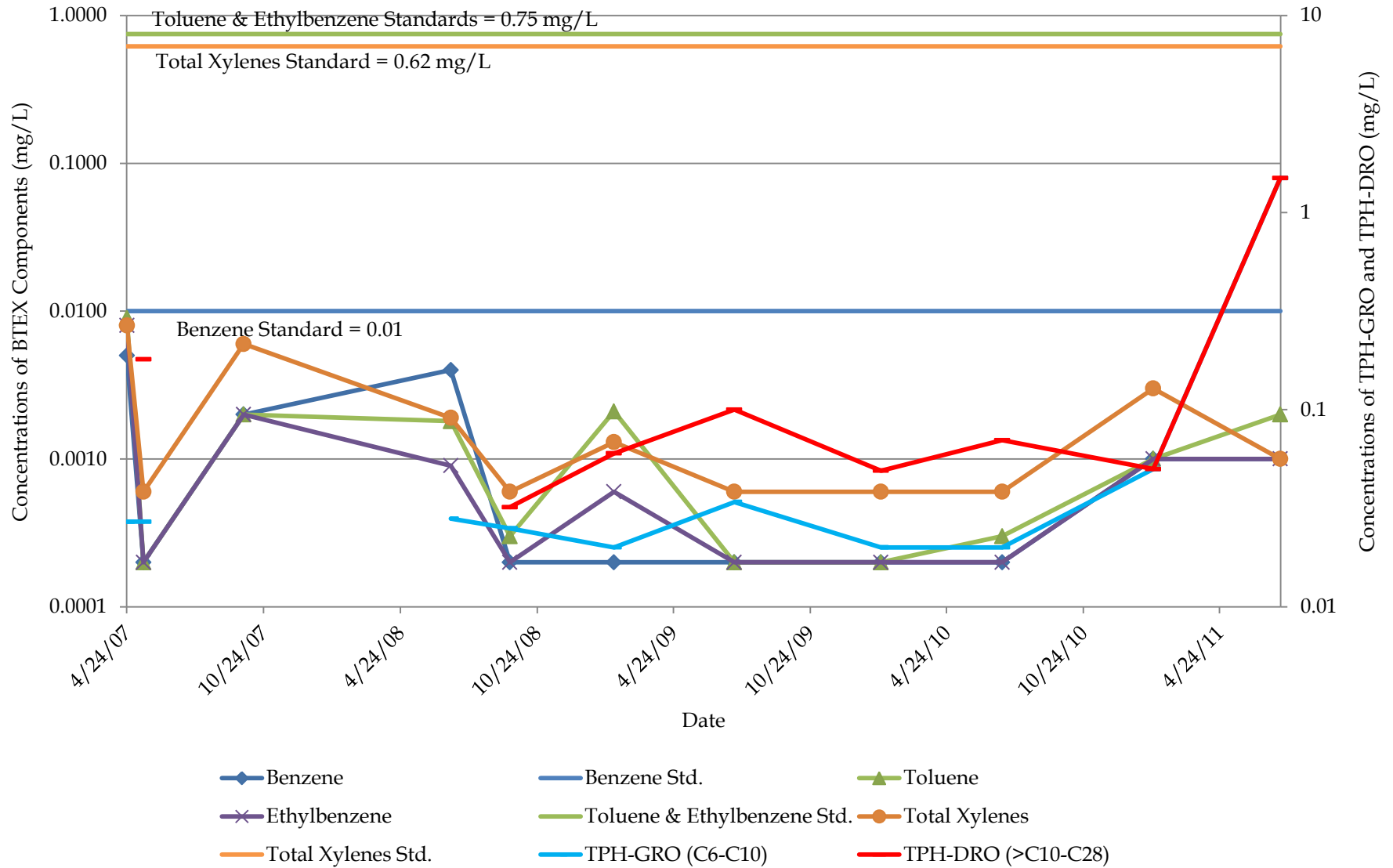
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 Section 1-T17S-R36E, Lea County, NM
 MW-S



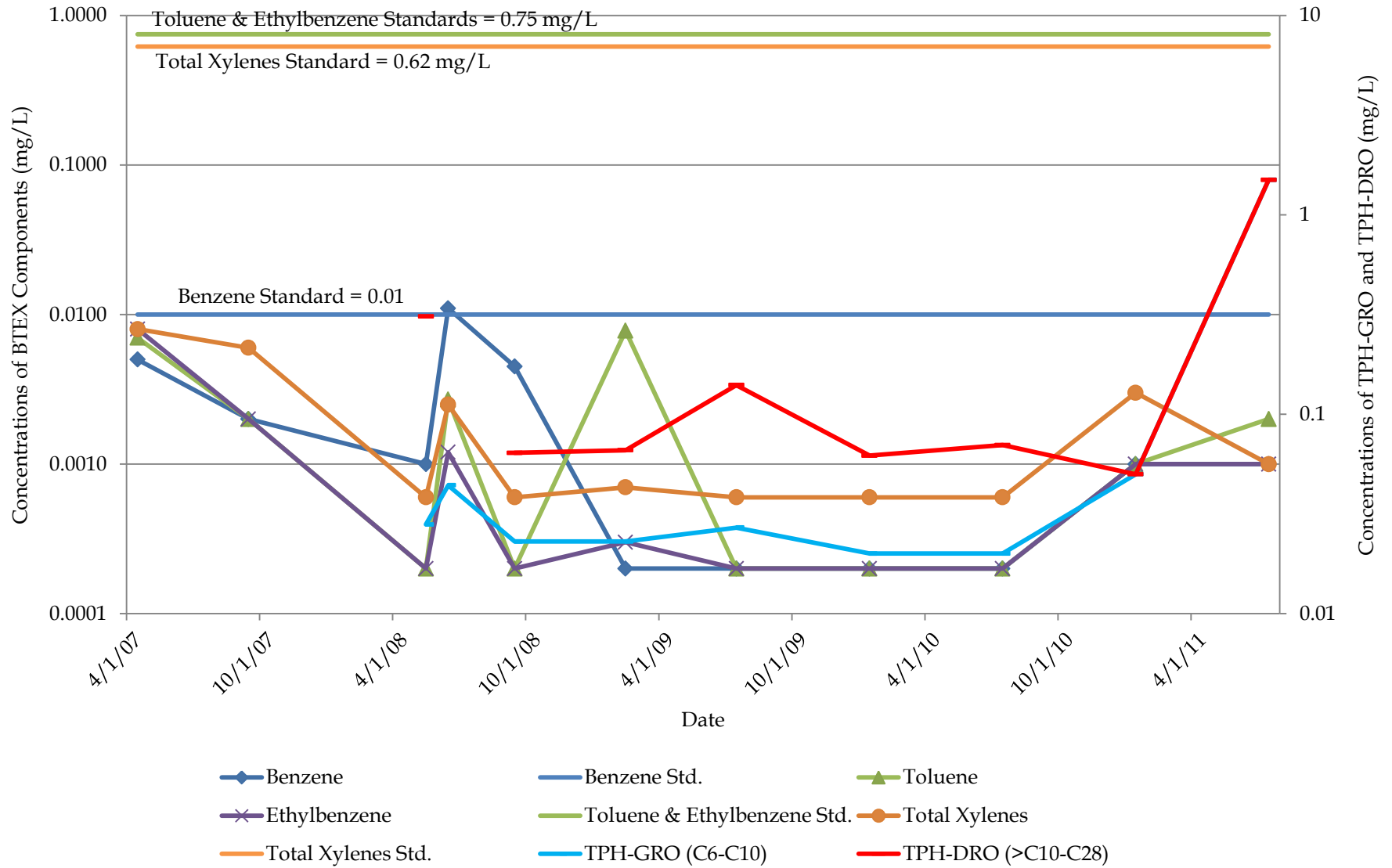
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 Section 1-T17S-R36E, Lea County, NM
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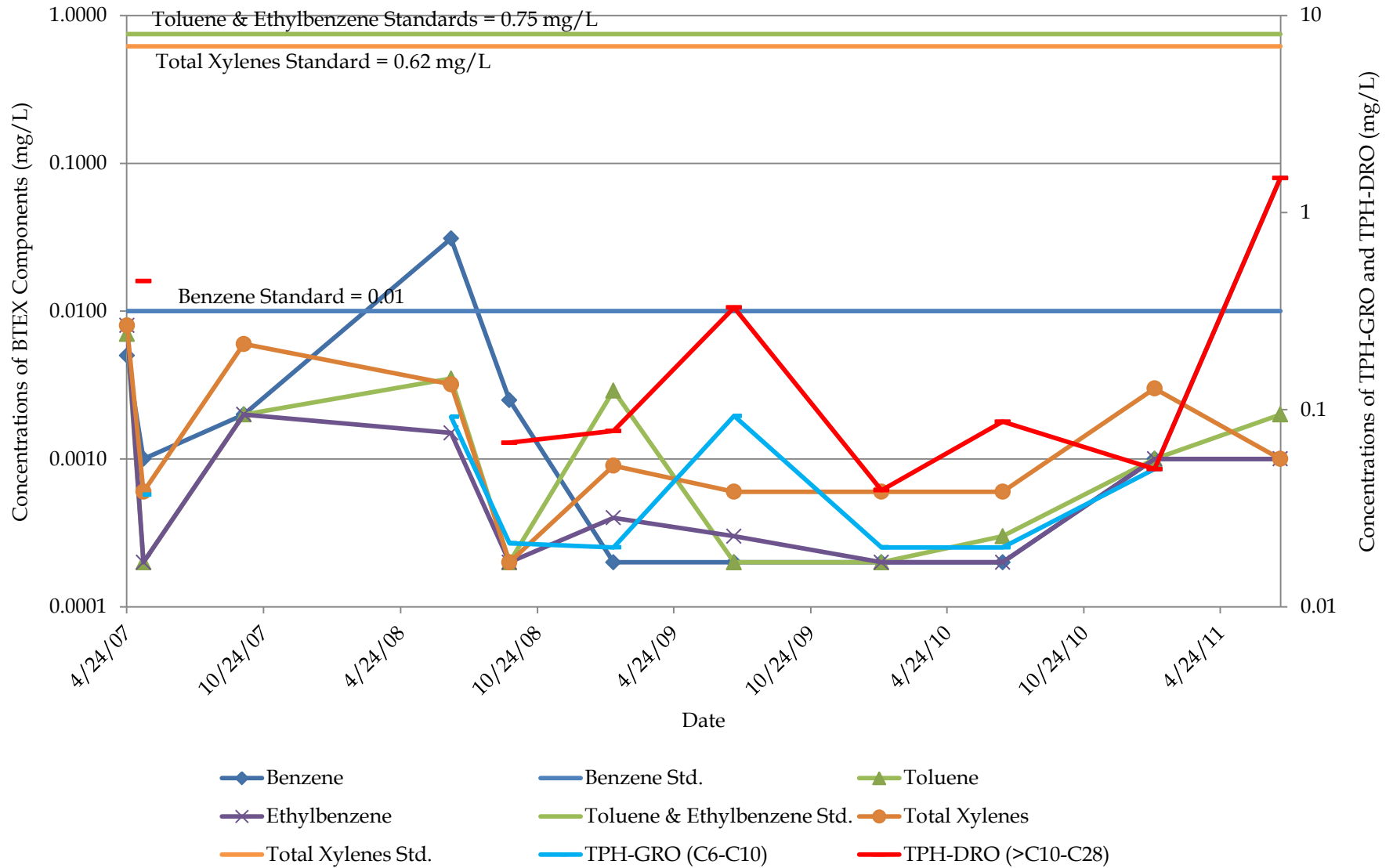
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 Lovington Paddock Groundwater Remediation Site
 Section 1-T17S-R36E, Lea County, NM
 MW-U



Chevron Environmental Management Company
 Lovington Paddock Groundwater Remediation Site
 Section 1-T17S-R36E, Lea County, NM
 MW-V



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 Lovington Paddock Groundwater Remediation Site
 Section 1-T17S-R36E, Lea County, NM
 MW-W



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 MW-D2

