AP - 104

2012 AGWMR

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AP-104

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April 15, 2013

Mr. Glenn von Gonten
Senior Hydrologist
New Mexico Oil Conservation Division
1220 South Saint Francis Drive
Santa Fe, New Mexico 87505

Dear Mr. Von Gonten,

Please find enclosed for your files a copy of the following report for the Buckeye Compressor Station project site (formerly NMOCD groundwater discharge permit GW-029):

- Buckeye Compressor Station, 2012 Annual Groundwater Monitoring Report

This report was prepared by Conestoga-Rovers & Associates (CRA) on behalf of Chevron Environmental Management Company (CEMC) to document groundwater monitoring activities performed for CEMC during calendar year 2012 at the above referenced site. Historical groundwater monitoring data are also included in the report.

Should you have any questions regarding the content of the report, please do not hesitate to contact me by phone at 713-372-7705 or via e-mail at kegan.boyer@chevron.com.

Sincerely,

Kegan W. Boyer, P.G.
Environmental Project Manager

CONESTOGA-ROVERS
& ASSOCIATES

BUCKEYE COMPRESSOR STATION
2012 ANNUAL GROUNDWATER MONITORING REPORT

SECTION 36, TOWNSHIP 17 SOUTH, RANGE 34 EAST
LEA COUNTY, NEW MEXICO

FORMERLY NMOCD GROUNDWATER DISCHARGE PERMIT GW-029

Prepared For:
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1.0 INTRODUCTION

This annual report is a review of groundwater monitoring and abatement of light non-aqueous-phase liquids (LNAPL) from Buckeye Compressor Station during 2012. Conestoga-Rovers & Associates (CRA) has prepared this report on behalf of Chevron Environmental Management Company (CEMC). Data presented in this report was gathered during two semi-annual groundwater monitoring events beginning on April 23, 2012 and on November 5, 2012. Data was also collected during 20 visits to the site to remove LNAPL from several monitor wells.

The Buckeye Compressor Station is located in Section 36, Township 17 South, Range 34 East, Lea County, New Mexico. Latitudinal and longitudinal coordinates are 32° 47' 3.93"N and 103° 30' 30.08"W, respectively. A map showing the general location of the site is in Figure 1.

2.0 HISTORY OF ACTIVITIES AT THE SITE

The Buckeye Compressor Station Site is located in the gas compression facility currently owned and operated by Targa Resources, LLC. The facility was originally owned by Texaco Exploration and Production, Inc. An investigation was conducted in 2002 by Texaco Exploration and Production, Inc. to identify the source and extent of impact to groundwater in an inactive well used for non-potable water at the site. Seventeen soil borings, BH-1 through BH-17 and eight monitor wells, MW-1 through MW-8, were installed in June 2002. Seven additional monitor wells, MW-9 (initially BH-6) through MW-15, were installed in August 2002 to delineate the plume of dissolved benzene. Six additional monitor wells, MW-16 through MW-21, were installed in October 2003 for further delineation of the plume of dissolved benzene. Three more monitor wells, MW-22 through MW-24, were installed in November 2007 to complete delineation of the plume of dissolved benzene. Fluid levels and concentrations of dissolved benzene, toluene, ethylbenzene, and total xylenes (BTEX) have been monitored annually or semi-annually since monitor wells were installed. Five soil borings, SB-1 through SB-5 were drilled and an extraction well, EW-1, was installed in May 2010 as part of a study to determine the source of dissolved benzene in monitor well MW-4 and LNAPL in MW-19. In addition to semi-annual monitoring of fluid levels and concentrations of dissolved BTEX during 2011, LNAPL was hand-bailed from wells MW-8, MW-19, and EW-1 during 10 events in 2011 to abate LNAPL. Two semi-annual monitoring events were conducted during 2012 as well as 20 events to bail LNAPL from MW-8, MW-19, and EW-1.

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 Buckeye Compressor Station 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.

Analyte	*NMWQCC Standard for Groundwater (mg/L)*
Benzene[1]	0.01
Toluene[1]	0.75
Ethylbenzene[1]	0.75
Total Xylenes[1]	0.62

4.0 GROUNDWATER MONITORING

The Buckeye Compressor Station Site includes 24 monitor wells and one extraction well—MW-1 through MW-24; and EW-1. The casing in monitor well MW-11 collapsed in 2009, so it has not been monitored since then. Monitor wells TW-13 and TW-14 on the Buckeye Vacuum Field Unit Site, which is south of Texas Camp Road, were included in activities at Buckeye Compressor to monitor dissolved-phase contaminants southeast of the Buckeye Compressor Station Site. TW-20, which is also on the Buckeye Vacuum Field Unit Site, was monitored during the second semi-annual monitoring event in 2012. This was done to re-establish delineation of the dissolved hydrocarbon plume at Buckeye Compressor, because TW-13 had dissolved benzene levels exceeding the NMWQCC standard for remediation in October 2011. The Buckeye Compressor Station Site and the Buckeye Vacuum Field Unit Site are shown on the Site Details Map in Figure 2. Groundwater at Buckeye Compressor was monitored during two semi-annual events during 2012. The first took place from April 23, 2012 to April 27, 2012. The second groundwater monitoring event was conducted from November 5 to November 12, 2012.

The casing in MW-11 collapsed between the last monitoring event of 2008 and the first monitoring event of 2009. It has not been gauged or sampled since then. In light of established histories of contaminant concentrations below NMWQCC remediation standards in monitor wells MW-10 and MW-12, delineation of the contaminant plume has been demonstrated by those wells. The consent of the NMOCD to monitor Buckeye Compressor Station without including MW-11 as a monitoring point is requested.

4.1 FIELD METHODOLOGY

Fluid levels were measured on the first day of each monitoring event. Fluid levels were measured to the nearest hundredth of a foot with an electronic oil-water interface probe. Fluid levels were measured from the permanent reference point on the top of the casing in each well or from the north side of the top of the casing where no permanent reference point had been marked. LNAPL was present in wells MW-8, MW-9, MW-19, and EW-1 during both semi-annual monitoring events during 2012 and for the first time in MW-3 during the first semi-annual monitoring event on April 2012.

Low-flow purging techniques were used prior to sampling. Turbidity, 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 percent of each other for three 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 40°F (4°C) or lower. Field equipment was decontaminated with a Liquinox™ wash and distilled water rinse before beginning field activities and between wells. Samples of groundwater collected during both monitoring events were shipped to Xenco Laboratories in Odessa, Texas for analyses. Proper chain-of-custody documentation was maintained throughout sampling and analytical processes.

Samples collected during 2012 were analyzed for dissolved benzene, toluene, ethylbenzene, and total xylenes according to analytical method SW846-8021B. Samples were analyzed for total petroleum hydrocarbons (TPH) in the gasoline range (TPH-GRO) and TPH in the diesel range (TPH-DRO) according to analytical method SW846-8015B. Dissolved chlorides were analyzed according to method EPA300.0.

4.2 POTENTIOMETRIC SURFACE AND GRADIENT

Fluid level measurements collected during 2012 are shown in Table 1. Elevations of tops of casings in wells are expressed in feet above mean sea level (famsl). Computed elevations of the potentiometric surface are also indicated in famsl. The range of elevations for the potentiometric surface during the first semi-annual monitoring event on April 23, 2012 was from 3857.29 famsl (MW-22) to 3861.11 famsl (MW-24). 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 computed magnitude of the gradient was 0.0023 ft./ft.

The range of elevations on the potentiometric surface during the second monitoring event on November 5, 2012 was from 3857.69 famsl (MW-22) to 3861.22 famsl (MW-24). The map of elevations of the potentiometric surface on November 5 is shown in Figure 4. This map indicates that the direction of flow of groundwater was to the east. The computed magnitude of its gradient was 0.0021 ft./ft.

Directions of the gradient on the potentiometric surface have remained consistently toward the east from April 2012 to November 2012. Magnitude of the gradients became slightly shallower—from 0.0023 ft./ft. to 0.0021 ft./ft. in April and November, respectively. Comparison of gauging data from the last monitoring event in 2011 (10/18/11) to the last monitoring event in 2012 (11/5/12) indicates that the potentiometric surface declined in elevation in some wells and rose in others. The range of change was from -0.07 ft. to +1.36 ft. The average change was +0.64 ft.

4.3 MEASUREMENTS AND RECOVERY OF LIGHT NON-AQUEOUS-PHASE LIQUID

LNAPL was first observed in MW-8 in October 2010. Thicknesses of LNAPL in MW-8 in 2012 were between 3.35 and 4.15 feet and showed a declining trend. LNAPL was first observed in monitor well MW-9 during the second groundwater monitoring event in October 2011. Thicknesses of LNAPL in MW-9 during 2012 were between 4.83 and 5.42 feet and had an increasing trend. LNAPL has been observed in MW-19 since May 2008. Thicknesses of LNAPL in MW-19 in 2012 were between 2.38 and 3.54 feet and had a decreasing trend. LNAPL was first observed in EW-1 in October 2010, a few months after its installation. Thicknesses of LNAPL in EW-1 during 2012 were between 1.59 and 3.47 feet and had a decreasing trend. Thicknesses recorded during the first semi-annual monitoring event (April 23, 2012) are shown on Figure 5. Thicknesses of the LNAPL plume measured during the second monitoring event are shown in map form in Figure 6. Charts showing thicknesses of LNAPL versus time are in Appendix A.

Fluid levels were measured and LNAPL was bailed from wells MW-8, MW-9, MW-19, and EW-1 on 20 occasions in 2012 in addition to semi-annual monitoring events. Dedicated bailers were used to remove LNAPL from each of these wells to the greatest practicable extent, while minimizing the amount of water removed. LNAPL and groundwater bailed on these occasions were temporarily held in a double-walled stainless steel tank with secondary containment that was inside the berm at the compressor station. Volumes of product and groundwater removed from monitor wells MW-8, MW-9, MW-19, and extraction well EW-1 during these 20 site visits have been compiled in Table 1. Approximately 173 gallons of LNAPL and 11 gallons of groundwater were removed from these three wells in 2012.

4.4 RESULTS OF ANALYSES OF DISSOLVED-PHASE CONTAMINANTS IN GROUNDWATER

Samples of groundwater were collected from all wells during the first semi-annual event except wells MW-3, MW-8, MW-9, MW-19, EW-1, and MW-11. The first five of this group were not sampled because they were impacted by LNAPL. The casing in MW-11 collapsed in 2009. A cumulative table of analytical results for groundwater samples collected during monitoring activities at Buckeye Compressor is in Table 2. Analytes are in columns across the top of the table. Appropriate standards are below names of analytes. Analytical results for the first monitoring event, in April 2012, are in map form on Figure 7.

During the second semi-annual monitoring event, MW-8, MW-9, MW-19, EW-1, and MW-11 were not sampled. MW-8, MW-9, MW-19, and EW-1 were again impacted by

LNAPL. Analytical results of the second monitoring event, in November 2012, have been compiled in Table 2 and are in map form on Figure 8.

Dissolved benzene was present in wells MW-1, MW-2, MW-4, MW-5, MW-6, MW-14, and MW-17 in concentrations above the NMWQCC remediation standard of 0.01 mg/L during the first monitoring event of 2012. Figure 7 depicts the approximate location of the boundary of a dissolved benzene plume that encompasses these wells at concentrations exceeding the standard. The plume is depicted on Figure 8 to encompass the same wells, with the exception of MW-5, during the second monitoring event of 2012. Concentrations of dissolved benzene were below NMWQCC standards in MW-7, MW-10, MW-12, MW-13, MW-15, M-16, MW-20, MW-21, MW-22, TW-11, and TW-13. They fall just outside the red boundaries shown in figures 7 and 8; thus, the portion of the dissolved benzene plume which exceeded the NMWQCC standard remained delineated during both monitoring events of 2012. The concentration of dissolved toluene exceeded the NMWQCC standard of 0.75 mg/L only in MW-3 during the second monitoring event. Dissolved ethylbenzene and total xylenes were not found at concentrations exceeding the NMWQCC standards in any sample collected in 2012.

Concentrations of dissolved chloride in MW-22 slightly exceeded the NMWQCC standard. Concentrations were 401 and 263 mg/L during the first and second monitoring events, respectively. No other samples had chloride concentrations exceeding the NMWQCC standard.

Copies of signed analytical reports and chains-of-custody are attached in Appendix B. Trends of concentrations of chemicals of concern over time are shown in Appendix C.

5.0 SUMMARY OF FINDINGS

Based on activities conducted at Buckeye Compressor in 2012, CRA presents the following summary of findings:

- Groundwater monitoring was conducted by CRA on a semi-annual basis in 2012. The first monitoring event occurred April 23, 2012 to April 27, 2012. Five monitor wells, MW-3, MW-8, MW-9, MW-19 and EW-1 were gauged but not sampled because they were impacted by LNAPL. It was the first time that MW-3 had been impacted by LNAPL. Figure 3 depicts the direction of flow of groundwater during the April 2012 toward the east. The calculated magnitude of the gradient was 0.0023 ft./ft.
- The second semi-annual event was conducted from November 5, 2012 through November 12, 2012. Wells MW-8, MW-9, MW-19 and EW-1, were gauged but not sampled during the second event because they were impacted by LNAPL. Figure 4 depicts eastward flow of groundwater. The computed magnitude of the gradient was 0.0021 ft./ft.
- The elevation of the potentiometric surface rose by an average of 0.64 foot between October 2011 and November 2012.
- Thicknesses of LNAPL were between 3.35 and 4.15 feet in MW-8 during 2012 and showed a declining trend. Thicknesses of LNAPL in MW-9 in 2012 were between 4.83 and 5.42 feet and showed an increasing trend. Thicknesses of LNAPL in MW-19 in 2012 were between 2.38 and 3.54 feet. Thicknesses of LNAPL in EW-1 during 2012 were between 1.59 and 3.47 feet. Thicknesses of LNAPL in both MW-19 and EW-1 showed decreasing trends during 2012. LNAPL was bailed by hand from MW-8, MW-19, and EW-1 on 10 site visits in 2012. Approximately 173 gallons of LNAPL and 11 gallons of groundwater were bailed by hand from wells MW-8, MW-19 and EW-1 during 2012.
- The area that encompasses wells impacted by LNAPL and wells having concentrations of dissolved benzene exceeding the NMWQCC remediation standards is surrounded on all sides by other wells having concentrations below those standards. The plume of dissolved benzene above the standard is thus depicted as being delineated in Figures 7 and 8.
- The only well impacted by dissolved chloride exceeding the NMWQCC standard of 250 mg/L was MW-22.

6.0 PLANNED ACTIVITIES

Semi-annual gauging and sampling are planned for April 2013 and October 2013. Twenty-seven monitor wells have been included in the semi-annual monitoring plan. These include MW-1 through MW-24 and EW-1 on the Buckeye Compressor site. MW-11 has a collapsed casing and cannot be gauged or sampled. Three monitor wells on the Buckeye Vacuum Field Unit Site--TW-11, TW-13, and TW-20--have been included in this program to delineate the southeastern side of the contaminant plume to the remediation standard of the NMWQCC. All of these wells will be gauged. All of these wells not impacted by LNAPL will be sampled using low-flow purging and sampling techniques. Benzene, toluene, ethylbenzene, total xylenes, and dissolved chloride have been identified as the chemicals of concern at Buckeye Compressor.

Results of the two semi-annual groundwater monitoring events at Buckeye Compressor Station during 2013 will be summarized in an annual report for submission to the NMOCD. The report will include tabulated data from gauging activities; tabulated results of chemical analyses; maps of groundwater gradients and maps of constituents of concern for each monitoring event; and recommendations to expedite the site toward closure.

Bi-weekly abatement of LNAPL by hand-bailing will continue through 2013 unless a remedy to address LNAPL is approved and initiated before the end of 2013. Potential alternatives for which pilot tests may be considered include an automated skimmer system and mobile dual-phase extraction. Other alternatives can be explored to a level deemed appropriate by NMOCD.

Potential alternatives for which pilot tests will be conducted include automated LNAPL skimming and mobile dual-phase extraction (MDPE). A bail-down test conducted in MW-19 indicated an average recharge rate of 0.17 feet per hour. A pilot test of a Xitech automated skimming system that was begun in MW-19 in December 2012 will be concluded in February 2013. An 8-hour MDPE pilot test will be conducted in March or April 2013. AcuVac Remediation, LLC of Houston, Texas will conduct the event. Fluids removed during the event will be temporarily held in a tank on the site. All fluids recovered during the event will be disposed by Nabors Well Services Ltd. of Hobbs, New Mexico. AcuVac will provide a final report which summarizes data collected during the event. They will include total fluid volume recovered; phase-separated hydrocarbons recovered; and vapor-phase hydrocarbons recovered. Other alternatives can be explored to a level deemed appropriate by NMOCD.

The casing in MW-11 collapsed between the last monitoring event of 2008 and the first monitoring event of 2009. It has not been gauged or sampled since then. In light of established histories of contaminant concentrations below NMWQCC standards in monitor wells MW-10 and MW-12, delineation of the contaminant plume has been demonstrated by those wells. The consent of the NMOCD to monitor Buckeye Compressor Station without including MW-11 as a monitoring point is requested.

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

John P. Schnable
Project Manager

Thomas C. Larson
Principal

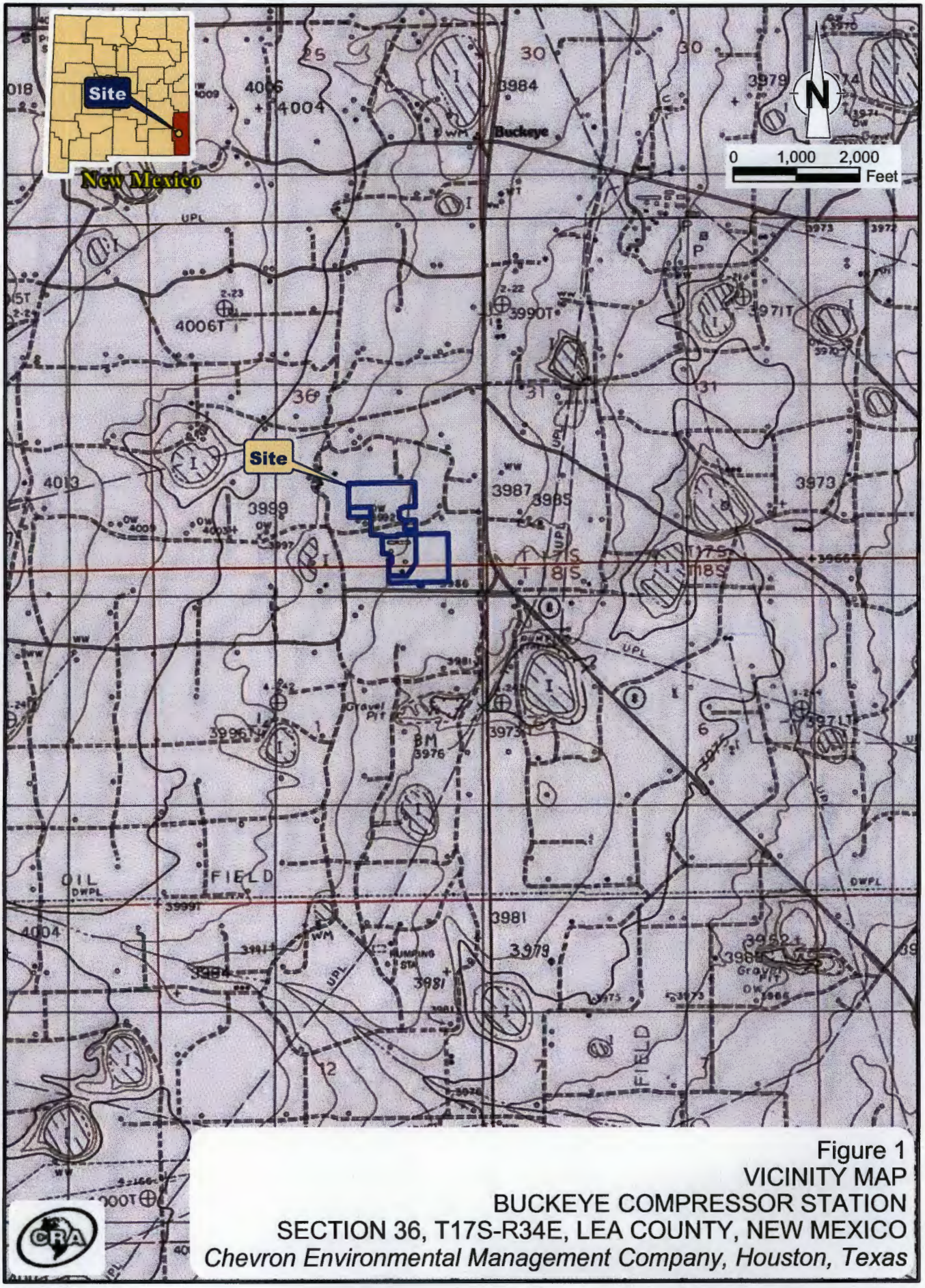


Figure 1
VICINITY MAP
BUCKEYE COMPRESSOR STATION
SECTION 36, T17S-R34E, LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company, Houston, Texas

RE: USGS 7.5 Minute Topographic Maps.

2/12/2013

RE: 2011 NAIP Aerial Photograph

0 150 300 Feet

CRA

Figure 2
SITE DETAILS MAP
BUCKEYE COMPRESSOR STATION
SECTION 36, T17S-R34E, LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company, Houston, Texas

73014-2013(002)PR-BR001 2/13/2013

Figure 3
MAP OF THE POTENTIOMETRIC SURFACE - APRIL 23, 2012
BUCKEYE COMPRESSOR STATION
SECTION 36, T17S-R34E, LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company, Houston, Texas

73014-2013(002)PR-BR001 3/14/2013

RE: 2011 NAIP Aerial Photograph

Note: Monitor Wells EW-1, MW-6, MW-14, & TW-11 were considered anomalous and were not used for contouring.

0 150 300 Feet

73014-2013(002)PR-BR002 3/14/2013

Figure 4
MAP OF THE POTENTIOMETRIC SURFACE - NOVEMBER 5, 2012
BUCKEYE COMPRESSOR STATION
SECTION 36, T17S-R34E, LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company, Houston, Texas

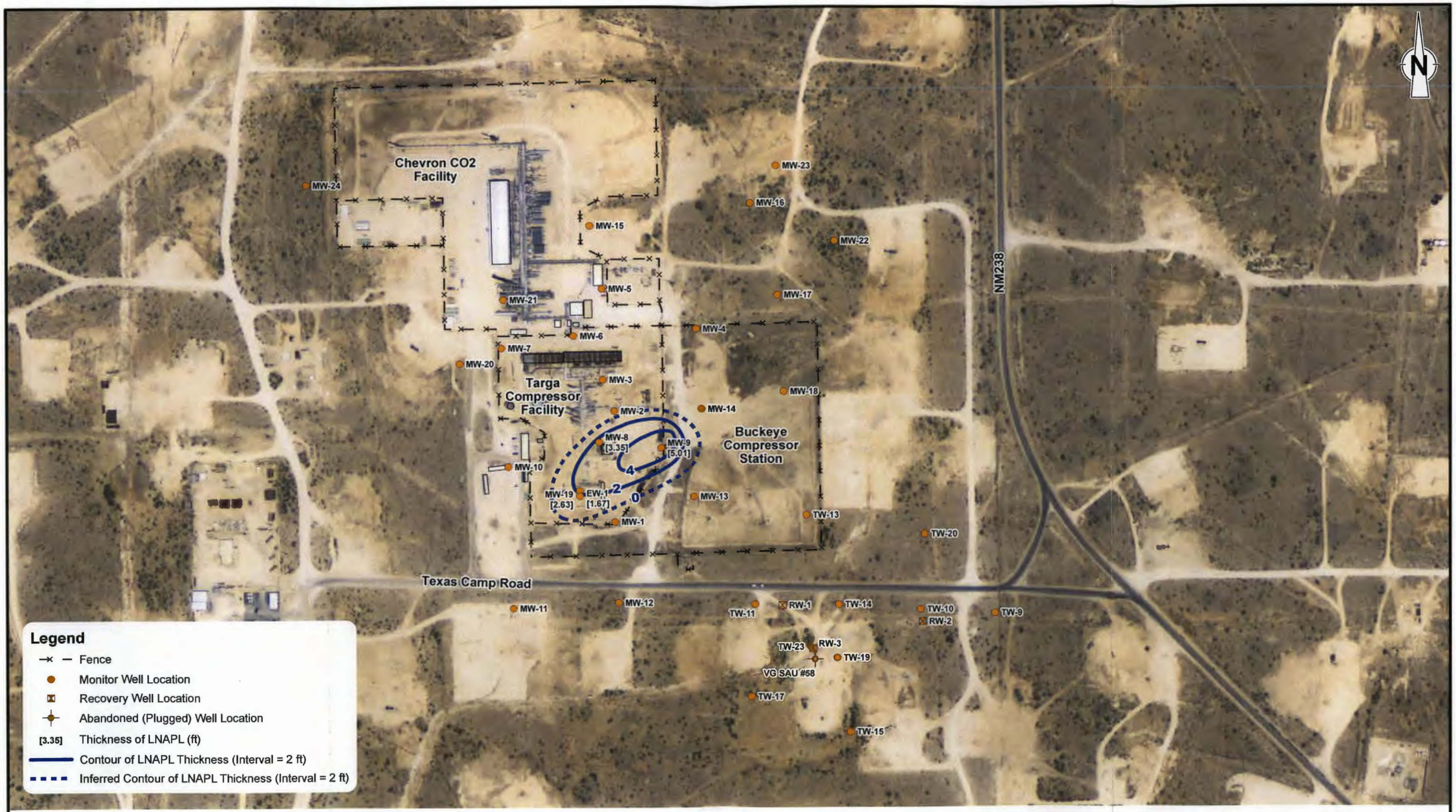
RE: 2011 NAIP Aerial Photograph

0 150 300
Feet

CRA

73014-2013(002)PR-BR003 3/15/2013

figure 5
MAP OF DISTRIBUTION OF LNAPL - APRIL 23, 2012
BUCKEYE COMPRESSOR STATION
SECTION 36, T17S-R34E, LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company, Houston, Texas



RE: 2011 NAIP Aerial Photograph

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Feet

figure 6
MAP OF DISTRIBUTION OF LNAPL - NOVEMBER 5, 2012
BUCKEYE COMPRESSOR STATION
SECTION 36, T17S-R34E, LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company, Houston, Texas

73014-2013(002)PR-BR004 2/15/2013

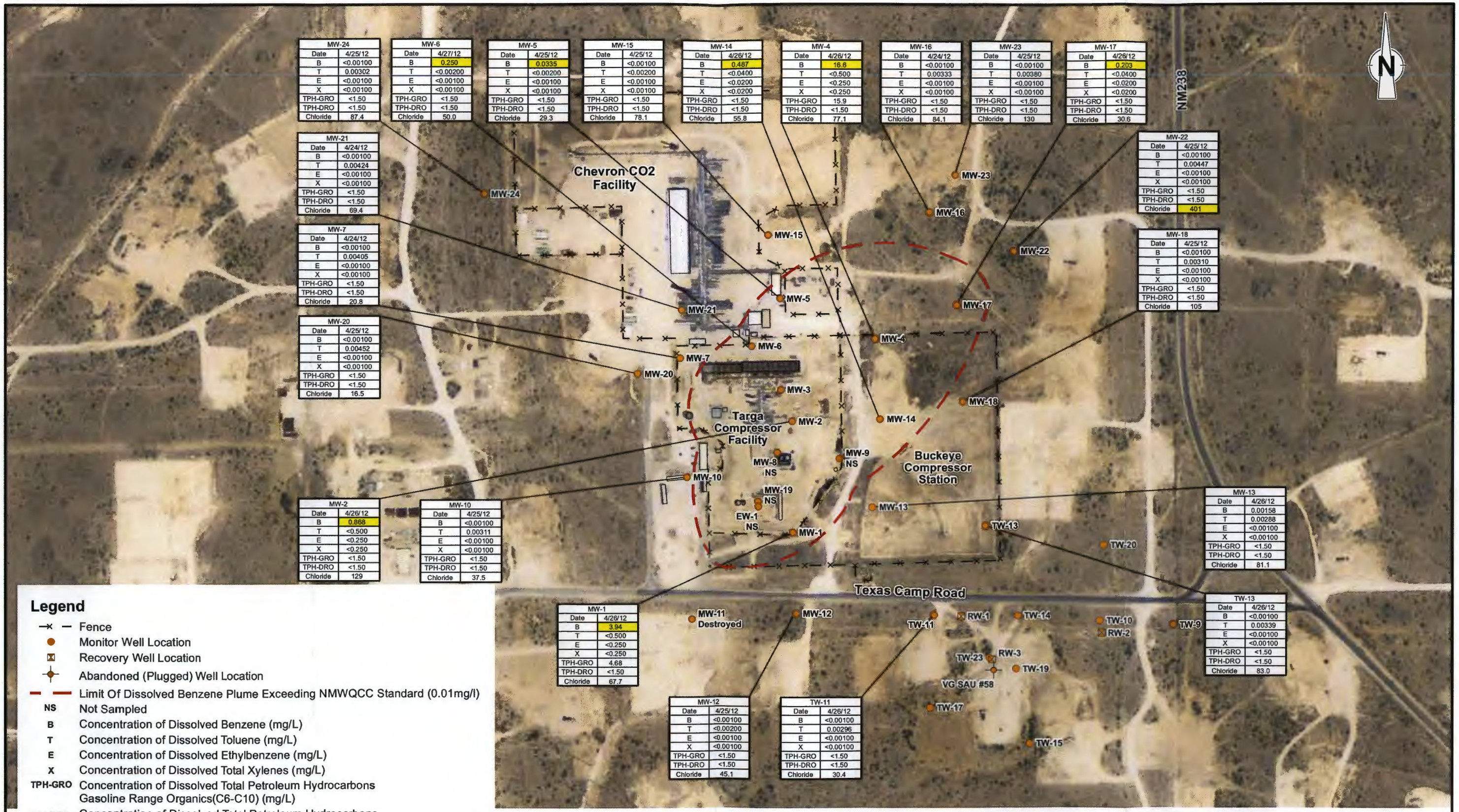
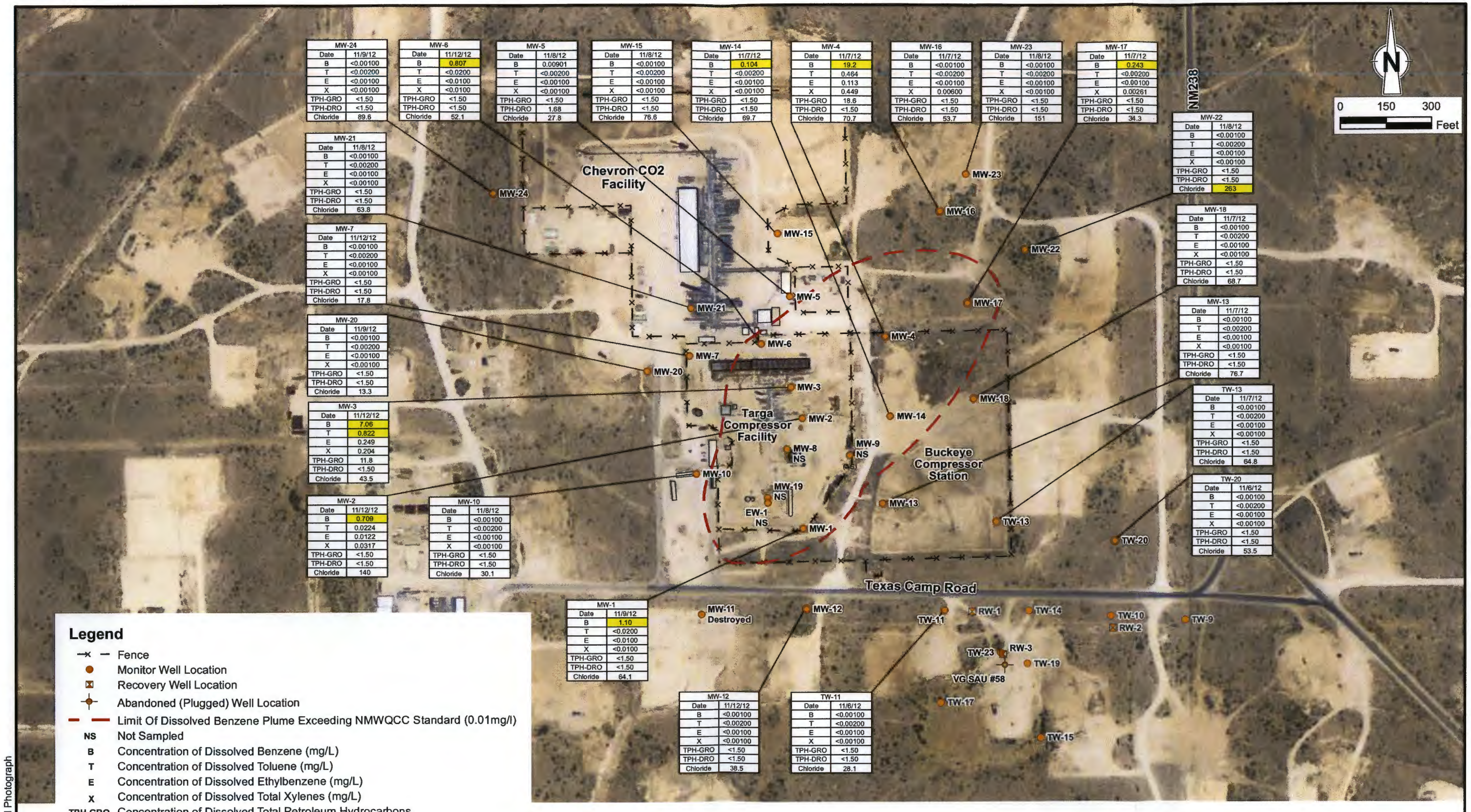


Figure 7

MAP OF CONCENTRATIONS OF DISSOLVED HYDROCARBONS AND CHLORIDES - APRIL 24-27, 2012
BUCKEYE COMPRESSOR STATION
SECTION 36, T17S-R34E, LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company, Houston, Texas

73014-2012(002)PR-BR001 3/15/2013



Legend

- Fence
- Monitor Well Location
- Recovery Well Location
- Abandoned (Plugged) Well Location
- Limit Of Dissolved Benzene Plume Exceeding NMWQCC Standard (0.01mg/l)

NS	Not Sampled
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 Total 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.

RE: 2011 NAIP Aerial Photograph

Figure 8

MAP OF CONCENTRATIONS OF DISSOLVED HYDROCARBONS AND CHLORIDES - NOVEMBER 6-12, 2012
BUCKEYE COMPRESSOR STATION
SECTION 36, T17S-R34E, LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company, Houston, Texas

TABLE 1

CUMULATIVE SUMMARY OF FLUID LEVEL MEASUREMENTS
BUCKEYE COMPRESSOR STATION
SECTION 36-T17S-R34E, LEA COUNTY, NM

Monitoring Well ID	TOC Elevation (famsl)	Date Gauged	Depth to Product (fbtoc)	Depth To Water (fbtoc)	Thickness of product (ft.)	Water Elevation (famsl)	Product Removed (gal.)	Water Removed (gal.)
MW-1	3990.85	06/19/02		132.49		3858.36		
MW-1	3990.85	07/29/02		132.55		3858.30		
MW-1	3990.85	10/08/02		132.26		3858.59		
MW-1	3990.85	08/11/03		130.33		3860.52		
MW-1	3990.85	02/16/05		129.06		3861.79		
MW-1	3990.85	04/07/06		130.22		3860.63		
MW-1	3990.85	06/29/06		NG				
MW-1	3990.85	10/12/06		130.37		3860.48		
MW-1	3990.85	04/26/07		130.26		3860.59		
MW-1	3990.85	10/18/07		130.24		3860.61		
MW-1	3990.85	05/21/08		130.22		3860.63		
MW-1	3990.85	10/16/08		130.38		3860.47		
MW-1	3990.85	04/09/09		130.82		3860.03		
MW-1	3990.85	09/29/09		131.30		3859.55		
MW-1	3990.85	04/05/10		131.56		3859.29		
MW-1	3990.85	10/04/10		131.73		3859.12		
MW-1	3990.85	04/18/11		132.15		3858.70		
MW-1	3990.85	10/18/11		132.23		3858.62		
MW-1	3990.85	04/23/12		132.08		3858.77		
MW-1	3990.85	11/05/12		131.74		3859.11		
MW-2	3991.08	06/19/02		132.87		3858.21		
MW-2	3991.08	07/29/02		132.92		3858.16		
MW-2	3991.08	10/08/02		132.46		3858.62		
MW-2	3991.08	08/11/03		130.71		3860.37		
MW-2	3991.08	02/16/05		129.43		3861.65		
MW-2	3991.08	04/07/06		130.77		3860.31		
MW-2	3991.08	06/29/06		131.86		3859.22		
MW-2	3991.08	10/12/06		130.85		3860.23		
MW-2	3991.08	04/26/07		130.71		3860.37		
MW-2	3991.08	10/18/07		130.68		3860.40		
MW-2	3991.08	05/21/08		130.68		3860.40		
MW-2	3991.08	10/16/08		130.81		3860.27		
MW-2	3991.08	04/09/09		131.21		3859.87		
MW-2	3991.08	09/29/09		131.68		3859.40		
MW-2	3991.08	04/05/10		131.91		3859.17		
MW-2	3991.08	10/04/10		132.13		3858.95		
MW-2	3991.08	04/18/11		132.55		3858.53		
MW-2	3991.08	10/18/11		132.59		3858.49		
MW-2	3991.08	04/23/12		132.41		3858.67		
MW-2	3991.08	11/05/12		132.20		3858.88		
MW-3	3991.75	06/19/02		133.52		3858.23		
MW-3	3991.75	07/29/02		133.58		3858.17		
MW-3	3991.75	10/08/02		133.19		3858.56		
MW-3	3991.75	08/11/03		131.36		3860.39		
MW-3	3991.75	02/16/05		NG				
MW-3	3991.75	04/07/06		131.45		3860.30		
MW-3	3991.75	06/29/06		NG				
MW-3	3991.75	10/12/06		131.59		3860.16		
MW-3	3991.75	04/26/07		131.42		3860.33		
MW-3	3991.75	10/18/07		131.43		3860.32		
MW-3	3991.75	05/20/08		131.39		3860.36		
MW-3	3991.75	10/08/08		131.51		3860.24		
MW-3	3991.75	04/09/09		132.94		3858.81		
MW-3	3991.75	09/29/09		132.40		3859.35		
MW-3	3991.75	04/05/10		132.65		3859.10		
MW-3	3991.75	10/04/10		132.82		3858.93		

TABLE 1

CUMULATIVE SUMMARY OF FLUID LEVEL MEASUREMENTS
BUCKEYE COMPRESSOR STATION
SECTION 36-T17S-R34E, LEA COUNTY, NM

Monitoring Well ID	*TOC Elevation (famsl)*	*Date Gauged*	*Depth to Product (fbtoc)*	*Depth To Water (fbtoc)*	*Thickness of product (ft.)*	*Water Elevation (famsl)*	*Product Removed (gal.)*	*Water Removed (gal.)*
MW-3	3991.75	04/18/11		133.25		3858.50		
MW-3	3991.75	10/18/11		133.42		3858.33		
MW-3	3991.75	04/23/12	133.12	133.15	0.03	3858.60		
MW-3	3991.75	11/05/12		133.01		3858.74		
MW-4	3991.57	06/19/02		134.35		3857.22		
MW-4	3991.57	07/29/02		134.25		3857.32		
MW-4	3991.57	10/08/02		133.83		3857.74		
MW-4	3991.57	08/11/03		131.78		3859.79		
MW-4	3991.57	02/16/05		130.25		3861.32		
MW-4	3991.57	04/07/06		132.14		3859.43		
MW-4	3991.57	06/29/06		132.22		3859.35		
MW-4	3991.57	10/12/06		132.61		3858.96		
MW-4	3991.57	04/26/07		131.97		3859.60		
MW-4	3991.57	10/18/07		131.95		3859.62		
MW-4	3991.57	05/19/08		131.88		3859.69		
MW-4	3991.57	10/20/08		132.02		3859.55		
MW-4	3991.57	04/09/09		132.45		3859.12		
MW-4	3991.57	09/29/09		132.90		3858.67		
MW-4	3991.57	04/05/10		133.19		3858.38		
MW-4	3991.57	10/04/10		133.45		3858.12		
MW-4	3991.57	04/18/11		133.85		3857.72		
MW-4	3991.57	10/18/11		133.92		3857.65		
MW-4	3991.57	04/23/12		133.49		3858.08		
MW-4	3991.57	11/05/12		133.20		3858.37		
MW-5	3992.12	06/19/02		134.05		3858.07		
MW-5	3992.12	07/29/02		134.06		3858.06		
MW-5	3992.12	10/08/02		133.73		3858.39		
MW-5	3992.12	08/11/03		131.91		3860.21		
MW-5	3992.12	02/16/05		130.86		3861.26		
MW-5	3992.12	04/07/06		132.04		3860.08		
MW-5	3992.12	06/29/06		132.18		3859.94		
MW-5	3992.12	10/12/06		132.13		3859.99		
MW-5	3992.12	04/26/07		132.00		3860.12		
MW-5	3992.12	10/18/07		132.04		3860.08		
MW-5	3992.12	05/20/08		131.98		3860.14		
MW-5	3992.12	10/20/08		131.96		3860.16		
MW-5	3992.12	04/09/09		132.36		3859.76		
MW-5	3992.12	09/29/09		132.90		3859.22		
MW-5	3992.12	04/05/10		133.08		3859.04		
MW-5	3992.12	10/04/10		133.30		3858.82		
MW-5	3992.12	04/18/11		133.67		3858.45		
MW-5	3992.12	10/18/11		133.73		3858.39		
MW-5	3992.12	04/23/12		133.55		3858.57		
MW-5	3992.12	11/05/12		133.24		3858.88		
MW-6	3991.94	06/19/02		133.58		3858.36		
MW-6	3991.94	07/29/02		133.61		3858.33		
MW-6	3991.94	10/08/02		132.29		3859.65		
MW-6	3991.94	08/11/03		131.59		3860.35		
MW-6	3991.94	02/16/05		130.35		3861.59		
MW-6	3991.94	04/07/06		131.57		3860.37		
MW-6	3991.94	06/29/06		NG				
MW-6	3991.94	10/12/06		131.69		3860.25		
MW-6	3991.94	04/26/07		131.58		3860.36		
MW-6	3991.94	10/18/07		131.60		3860.34		
MW-6	3991.94	05/20/08		131.52		3860.42		

TABLE 1

CUMULATIVE SUMMARY OF FLUID LEVEL MEASUREMENTS
BUCKEYE COMPRESSOR STATION
SECTION 36-T17S-R34E, LEA COUNTY, NM

Monitoring Well ID	*TOC Elevation (famsl)*	*Date Gauged*	*Depth to Product (fbtoc)*	*Depth To Water (fbtoc)*	*Thickness of product (ft.)*	*Water Elevation (famsl)*	*Product Removed (gal.)*	*Water Removed (gal.)*
MW-6	3991.94	10/16/08		131.67		3860.27		
MW-6	3991.94	04/09/09		132.00		3859.94		
MW-6	3991.94	09/29/09		132.40		3859.54		
MW-6	3991.94	04/05/10		132.16		3859.78		
MW-6	3991.94	10/04/10		132.84		3859.10		
MW-6	3991.94	04/18/11		133.20		3858.74		
MW-6	3991.94	10/18/11		133.34		3858.60		
MW-6	3991.94	04/23/12		133.21		3858.73		
MW-6	3991.94	11/05/12		132.25		3859.69		
MW-7	3992.89	06/19/02		133.94		3858.95		
MW-7	3992.89	07/29/02		134.03		3858.86		
MW-7	3992.89	10/08/02		133.81		3859.08		
MW-7	3992.89	08/11/03		132.26		3860.63		
MW-7	3992.89	02/16/05		130.91		3861.98		
MW-7	3992.89	04/07/06		132.06		3860.83		
MW-7	3992.89	06/29/06		NG				
MW-7	3992.89	10/12/06		132.22		3860.67		
MW-7	3992.89	04/26/07		132.14		3860.75		
MW-7	3992.89	10/18/07		132.19		3860.70		
MW-7	3992.89	05/20/08		132.16		3860.73		
MW-7	3992.89	10/15/08		132.25		3860.64		
MW-7	3992.89	04/09/09		132.58		3860.31		
MW-7	3992.89	09/29/09		133.01		3859.88		
MW-7	3992.89	04/05/10		133.16		3859.73		
MW-7	3992.89	10/04/10		133.34		3859.55		
MW-7	3992.89	04/18/11		133.75		3859.14		
MW-7	3992.89	10/18/11		133.77		3859.12		
MW-7	3992.89	04/23/12		133.74		3859.15		
MW-7	3992.89	11/05/12		133.48		3859.41		
MW-8	3991.27	06/19/02		132.81		3858.46		
MW-8	3991.27	07/29/02		132.93		3858.34		
MW-8	3991.27	10/08/02		132.20		3859.07		
MW-8	3991.27	08/11/03		130.78		3860.49		
MW-8	3991.27	02/16/05		129.53		3861.74		
MW-8	3991.27	04/07/06		130.80		3860.47		
MW-8	3991.27	06/29/06		130.88		3860.39		
MW-8	3991.27	10/12/06		130.89		3860.38		
MW-8	3991.27	04/26/07		130.75		3860.52		
MW-8	3991.27	10/18/07		130.73		3860.54		
MW-8	3991.27	05/21/08		130.22		3861.05		
MW-8	3991.27	10/16/08		130.84		3860.43		
MW-8	3991.27	04/09/09		131.28		3859.99		
MW-8	3991.27	09/29/09		131.75		3859.52		
MW-8	3991.27	04/05/10		131.96		3859.31		
MW-8	3991.27	10/04/10		135.46		3855.81		
MW-8	3991.27	03/30/11	131.47	135.80	4.33	3858.73	2.50	0.50
MW-8	3991.27	04/07/11	132.04	134.37	2.33	3858.65	0.50	1.00
MW-8	3991.27	04/13/11	132.30	133.85	1.55	3858.59	0.25	0.75
MW-8	3991.27	04/18/11		NG				
MW-8	3991.27	05/03/11	131.66	135.70	4.04	3858.61	1.20	0.10
MW-8	3991.27	05/10/11	132.04	134.68	2.64	3858.58	0.50	1.00
MW-8	3991.27	05/17/11	132.10	134.24	2.14	3858.64	0.75	0.25
MW-8	3991.27	05/24/11	132.21	134.17	1.96	3858.57		
MW-8	3991.27	06/28/11	132.47	133.69	1.22	3858.50	0.10	0.50
MW-8	3991.27	08/24/11	131.84	135.84	4.00	3858.44	2.50	0.50
MW-8	3991.27	08/25/11	132.34	134.54	2.20	3858.38	1.25	0.25

TABLE 1

CUMULATIVE SUMMARY OF FLUID LEVEL MEASUREMENTS
BUCKEYE COMPRESSOR STATION
SECTION 36-T17S-R34E, LEA COUNTY, NM

Monitoring Well ID	*TOC Elevation (famsl)*	*Date Gauged*	*Depth to Product (fbtoc)*	*Depth To Water (fbtoc)*	*Thickness of product (ft.)*	*Water Elevation (famsl)*	*Product Removed (gal.)*	*Water Removed (gal.)*
MW-8	3991.27	10/18/11	132.51	134.64	2.13	3858.23	2.00	0.00
MW-8	3991.27	02/01/12	131.62	135.77	4.15	3858.62	1.80	0.20
MW-8	3991.27	02/16/12	131.47	135.43	3.96	3858.82	1.50	0.00
MW-8	3991.27	02/28/12	131.54	135.49	3.95	3858.75	1.50	0.50
MW-8	3991.27	03/12/12	131.60	135.63	4.03	3858.67	1.5	0
MW-8	3991.27	03/29/12	131.56	135.63	4.07	3858.70	1.0	0.5
MW-8	3991.27	04/10/12	131.51	135.59	4.08	3858.75	1.0	0.5
MW-8	3991.27	04/23/12	131.58	135.47	3.89	3858.73		
MW-8	3991.27	05/08/12	131.52	135.38	3.86	3858.79	1.2	0
MW-8	3991.27	05/21/12	131.43	135.23	3.80	3858.90	1.8	0.2
MW-8	3991.27	06/04/12	131.51	135.14	3.63	3858.86	1.5	0
MW-8	3991.27	06/18/12	131.45	135.04	3.59	3858.93	2.0	0.5
MW-8	3991.27	07/03/12	131.49	135.21	3.72	3858.86	2.0	1
MW-8	3991.27	07/16/12	131.43	135.10	3.67	3858.93	4.0	0
MW-8	3991.27	08/02/12	131.48	134.88	3.40	3858.95	3.5	0
MW-8	3991.27	08/17/12	131.47	134.83	3.36	3858.97	0.0	0
MW-8	3991.27	08/28/12	131.33	134.69	3.36	3859.11	2.5	0
MW-8	3991.27	09/21/12	131.28	134.70	3.42	3859.14	1.5	0.5
MW-8	3991.27	09/24/12	131.23	134.58	3.35	3859.21	1.6	0.6
MW-8	3991.27	10/08/12	131.29	134.65	3.36	3859.15	1.5	0
MW-8	3991.27	10/22/12	131.32	134.79	3.47	3859.09	1.5	0
MW-8	3991.27	11/05/12	131.31	134.66	3.35	3859.13	0.0	0
MW-8	3991.27	11/20/12	131.40	134.82	3.42	3859.02	2.5	0
MW-9	3990.40	10/08/02		132.33		3858.07		
MW-9	3990.40	08/11/03		130.27		3860.13		
MW-9	3990.40	02/16/05		128.96		3861.44		
MW-9	3990.40	04/07/06		130.45		3859.95		
MW-9	3990.40	06/29/06		NG				
MW-9	3990.40	10/12/06		130.43		3859.97		
MW-9	3990.40	04/26/07		130.35		3860.05		
MW-9	3990.40	10/18/07		130.26		3860.14		
MW-9	3990.40	05/21/08		130.29		3860.11		
MW-9	3990.40	10/20/08		130.41		3859.99		
MW-9	3990.40	04/09/09		130.87		3859.53		
MW-9	3990.40	09/29/09		131.40		3859.00		
MW-9	3990.40	04/05/10		131.66		3858.74		
MW-9	3990.40	10/04/10		131.85		3858.55		
MW-9	3990.40	04/18/11		132.30		3858.10		
MW-9	3990.40	10/18/11	131.66	134.75	3.09	3857.97		
MW-9	3990.40	02/01/12	131.08	135.92	4.84	3858.12	2	0
MW-9	3990.40	02/16/12	130.90	135.73	4.83	3858.30	2.5	0
MW-9	3990.40	02/28/12	130.94	135.97	5.03	3858.21	2	0.5
MW-9	3990.40	03/12/12	131.01	135.96	4.95	3858.16	2.7	0.15
MW-9	3990.40	03/29/12	130.99	135.87	4.88	3858.20	2.5	0
MW-9	3990.40	04/10/12	130.94	135.92	4.98	3858.22	2.0	0.5
MW-9	3990.40	04/23/12	130.88	135.95	5.07	3858.26	0.0	0
MW-9	3990.40	05/08/12	130.85	135.89	5.04	3858.30	2.0	0.5
MW-9	3990.40	05/21/12	130.72	135.76	5.04	3858.43	2.9	0.15
MW-9	3990.40	06/04/12	130.76	135.88	5.12	3858.37	2.0	0
MW-9	3990.40	06/18/12	130.67	135.99	5.32	3858.41	2.5	0
MW-9	3990.40	07/03/12	130.72	135.95	5.23	3858.38	2.5	0.5
MW-9	3990.40	07/16/12	130.67	135.90	5.23	3858.43	7.0	0
MW-9	3990.40	08/02/12	130.63	135.85	5.22	3858.48	4.0	0
MW-9	3990.40	08/17/12	130.69	135.87	5.18	3858.43	0.0	0
MW-9	3990.40	08/28/12	130.55	135.79	5.24	3858.55	4.0	0
MW-9	3990.40	09/21/12	130.47	135.65	5.18	3858.65	2.5	0
MW-9	3990.40	09/24/12	130.35	135.58	5.23	3858.75	4.0	0

TABLE 1

CUMULATIVE SUMMARY OF FLUID LEVEL MEASUREMENTS
BUCKEYE COMPRESSOR STATION
SECTION 36-T17S-R34E, LEA COUNTY, NM

Monitoring Well ID	*TOC Elevation (famsl)*	*Date Gauged*	*Depth to Product (fbtoc)*	*Depth To Water (fbtoc)*	*Thickness of product (ft.)*	*Water Elevation (famsl)*	*Product Removed (gal.)*	*Water Removed (gal.)*
MW-9	3990.40	10/08/12	130.35	135.74	5.39	3858.71	2.5	0
MW-9	3990.40	10/22/12	130.37	135.77	5.40	3858.69	2.5	0
MW-9	3990.40	11/05/12	130.70	135.71	5.01	3858.46	0.0	0
MW-9	3990.40	11/20/12	130.42	135.84	5.42	3858.64	3.0	0
MW-10	3992.85	10/08/02		133.64		3859.21		
MW-10	3992.85	08/11/03		132.12		3860.73		
MW-10	3992.85	02/16/05		130.88		3861.97		
MW-10	3992.85	04/07/06		131.87		3860.98		
MW-10	3992.85	06/29/06		NG				
MW-10	3992.85	10/12/06		132.08		3860.77		
MW-10	3992.85	04/26/07		132.02		3860.83		
MW-10	3992.85	10/18/07		132.03		3860.82		
MW-10	3992.85	05/14/08		132.03		3860.82		
MW-10	3992.85	10/14/08		132.08		3860.77		
MW-10	3992.85	04/09/09		132.46		3860.39		
MW-10	3992.85	09/29/09		132.79		3860.06		
MW-10	3992.85	04/05/10		133.04		3859.81		
MW-10	3992.85	10/04/10		133.21		3859.64		
MW-10	3992.85	04/18/11		133.65		3859.20		
MW-10	3992.85	10/18/11		133.71		3859.14		
MW-10	3992.85	04/23/12		133.61		3859.24		
MW-10	3992.85	11/05/12		133.36		3859.49		
MW-11	3991.74	10/08/02		132.18		3859.56		
MW-11	3991.74	08/11/03		130.68		3861.06		
MW-11	3991.74	02/16/05		129.43		3862.31		
MW-11	3991.74	04/07/06		130.49		3861.25		
MW-11	3991.74	06/29/06		NG				
MW-11	3991.74	10/12/06		130.70		3861.04		
MW-11	3991.74	04/26/07		130.65		3861.09		
MW-11	3991.74	10/18/07		130.69		3861.05		
MW-11	3991.74	05/14/08		130.65		3861.09		
MW-11	3991.74	10/14/08		130.77		3860.97		
MW-11	NG--Well Destroyed	04/09/09						
MW-11	NG--Well Destroyed	09/29/09						
MW-11	NG--Well Destroyed	04/05/10						
MW-11	NG--Well Destroyed	10/04/10						
MW-11	NG--Well Destroyed	04/18/11						
MW-11	NG--Well Destroyed	10/18/11						
MW-11	NG--Well Destroyed	04/23/12						
MW-11	NG--Well Destroyed	11/05/12						
MW-12	3989.62	10/08/02		129.77		3859.85		
MW-12	3989.62	08/11/03		128.77		3860.85		
MW-12	3989.62	02/16/05		127.65		3861.97		
MW-12	3989.62	04/07/06		128.80		3860.82		
MW-12	3989.62	06/29/06		NG				
MW-12	3989.62	10/12/06		128.91		3860.71		
MW-12	3989.62	04/26/07		128.82		3860.80		
MW-12	3989.62	10/18/07		128.81		3860.81		
MW-12	3989.62	05/14/08		128.78		3860.84		
MW-12	3989.62	10/14/08		128.90		3860.72		
MW-12	3989.62	04/09/09		129.40		3860.22		
MW-12	3989.62	09/29/09		129.84		3859.78		
MW-12	3989.62	04/05/10		130.06		3859.56		
MW-12	3989.62	10/04/10		130.24		3859.38		
MW-12	3989.62	04/18/11		130.75		3858.87		

TABLE 1

CUMULATIVE SUMMARY OF FLUID LEVEL MEASUREMENTS
BUCKEYE COMPRESSOR STATION
SECTION 36-T17S-R34E, LEA COUNTY, NM

Monitoring Well ID	*TOC Elevation (famsl)*	*Date Gauged*	*Depth to Product (fbtoc)*	*Depth To Water (fbtoc)*	*Thickness of product (ft.)*	*Water Elevation (famsl)*	*Product Removed (gal.)*	*Water Removed (gal.)*
MW-12	3989.62	10/18/11		130.96		3858.66		
MW-12	3989.62	04/23/12		130.61		3859.01		
MW-12	3989.62	11/05/12		130.31		3859.31		
MW-13	3990.60	10/08/02		132.59		3858.01		
MW-13	3990.60	08/11/03		130.37		3860.23		
MW-13	3990.60	02/16/05		129.30		3861.30		
MW-13	3990.60	04/07/06		130.59		3860.01		
MW-13	3990.60	06/29/06		NG				
MW-13	3990.60	10/12/06		132.62		3857.98		
MW-13	3990.60	04/26/07		130.47		3860.13		
MW-13	3990.60	10/18/07		130.41		3860.19		
MW-13	3990.60	05/20/08		130.41		3860.19		
MW-13	3990.60	10/20/08		129.04		3861.56		
MW-13	3990.60	04/09/09		131.05		3859.55		
MW-13	3990.60	09/29/09		131.58		3859.02		
MW-13	3990.60	04/05/10		131.85		3858.75		
MW-13	3990.60	10/04/10		132.06		3858.54		
MW-13	3990.60	04/18/11		132.65		3857.95		
MW-13	3990.60	10/18/11		132.73		3857.87		
MW-13	3990.60	04/23/12		132.27		3858.33		
MW-13	3990.60	11/05/12		131.85		3858.75		
MW-14	3991.27	10/08/02		133.31		3857.96		
MW-14	3991.27	08/11/03		131.17		3860.10		
MW-14	3991.27	02/16/05		130.12		3861.15		
MW-14	3991.27	04/07/06		131.53		3859.74		
MW-14	3991.27	06/29/06		131.57		3859.70		
MW-14	3991.27	10/12/06		132.18		3859.09		
MW-14	3991.27	04/26/07		131.23		3860.04		
MW-14	3991.27	10/18/07		131.21		3860.06		
MW-14	3991.27	05/20/08		131.18		3860.09		
MW-14	3991.27	10/20/08		131.23		3860.04		
MW-14	3991.27	04/09/09		131.77		3859.50		
MW-14	3991.27	09/29/09		132.39		3858.88		
MW-14	3991.27	04/05/10		132.59		3858.68		
MW-14	3991.27	10/04/10		132.17		3859.10		
MW-14	3991.27	04/18/11		133.50		3857.77		
MW-14	3991.27	10/18/11		133.67		3857.60		
MW-14	3991.27	04/23/12		132.94		3858.33		
MW-14	3991.27	11/05/12		132.49		3858.78		
MW-15	3992.42	10/08/02		133.82		3858.60		
MW-15	3992.42	08/11/03		132.07		3860.35		
MW-15	3992.42	02/16/05		131.05		3861.37		
MW-15	3992.42	04/07/06		131.20		3861.22		
MW-15	3992.42	06/29/06		132.31		3860.11		
MW-15	3992.42	10/12/06		132.25		3860.17		
MW-15	3992.42	04/26/07		132.14		3860.28		
MW-15	3992.42	10/18/07		132.18		3860.24		
MW-15	3992.42	05/19/08		NG				
MW-15	3992.42	10/14/08		132.12		3860.30		
MW-15	3992.42	04/09/09		132.51		3859.91		
MW-15	3992.42	09/29/09		132.89		3859.53		
MW-15	3992.42	04/05/10		133.11		3859.31		
MW-15	3992.42	10/04/10		133.33		3859.09		
MW-15	3992.42	04/18/11		133.15		3859.27		
MW-15	3992.42	10/18/11		133.33		3859.09		

TABLE 1

CUMULATIVE SUMMARY OF FLUID LEVEL MEASUREMENTS
BUCKEYE COMPRESSOR STATION
SECTION 36-T17S-R34E, LEA COUNTY, NM

Monitoring Well ID	*TOC Elevation (famsl)*	*Date Gauged*	*Depth to Product (fbtoc)*	*Depth To Water (fbtoc)*	*Thickness of product (ft.)*	*Water Elevation (famsl)*	*Product Removed (gal.)*	*Water Removed (gal.)*
MW-15	3992.42	04/23/12		133.64		3858.78		
MW-15	3992.42	11/05/12		133.35		3859.07		
MW-16	3989.17	10/22/03		129.41		3859.76		
MW-16	3989.17	02/16/05		129.12		3860.05		
MW-16	3989.17	04/07/06		130.46		3858.71		
MW-16	3989.17	06/29/06		130.56		3858.61		
MW-16	3989.17	10/12/06		130.50		3858.67		
MW-16	3989.17	04/26/07		130.21		3858.96		
MW-16	3989.17	10/18/07		130.21		3858.96		
MW-16	3989.17	05/19/08		130.12		3859.05		
MW-16	3989.17	10/14/08		130.07		3859.10		
MW-16	3989.17	04/09/09		130.50		3858.67		
MW-16	3989.17	09/29/09		131.05		3858.12		
MW-16	3989.17	04/05/10		131.35		3857.82		
MW-16	3989.17	10/04/10		131.58		3857.59		
MW-16	3989.17	04/18/11		132.08		3857.09		
MW-16	3989.17	10/18/11		133.54		3855.63		
MW-16	3989.17	04/23/12		131.62		3857.55		
MW-16	3989.17	11/05/12		131.26		3857.91		
MW-17	3989.92	10/22/03		130.21		3859.71		
MW-17	3989.92	02/16/05		129.70		3860.22		
MW-17	3989.92	04/07/06		131.18		3858.74		
MW-17	3989.92	06/28/06		NG				
MW-17	3989.92	10/12/06		131.12		3858.80		
MW-17	3989.92	04/26/07		130.85		3859.07		
MW-17	3989.92	10/18/07		130.83		3859.09		
MW-17	3989.92	05/19/08		130.73		3859.19		
MW-17	3989.92	10/14/08		130.86		3859.06		
MW-17	3989.92	04/09/09		131.32		3858.60		
MW-17	3989.92	09/29/09		131.98		3857.94		
MW-17	3989.92	04/05/10		132.20		3857.72		
MW-17	3989.92	10/04/10		132.52		3857.40		
MW-17	3989.92	04/18/11		132.90		3857.02		
MW-17	3989.92	10/18/11		133.02		3856.90		
MW-17	3989.92	04/23/12		132.33		3857.59		
MW-17	3989.92	11/05/12		132.00		3857.92		
MW-18	3989.96	10/22/03		130.12		3859.84		
MW-18	3989.96	02/16/05		129.35		3860.61		
MW-18	3989.96	04/07/06		130.94		3859.02		
MW-18	3989.96	06/28/06		130.87		3859.09		
MW-18	3989.96	10/12/06		130.84		3859.12		
MW-18	3989.96	04/26/07		130.58		3859.38		
MW-18	3989.96	10/18/07		130.57		3859.39		
MW-18	3989.96	05/19/08		130.50		3859.46		
MW-18	3989.96	10/20/08		130.63		3859.33		
MW-18	3989.96	04/09/09		131.25		3858.71		
MW-18	3989.96	09/29/09		131.91		3858.05		
MW-18	3989.96	04/05/10		132.10		3857.86		
MW-18	3989.96	10/04/10		132.17		3857.79		
MW-18	3989.96	04/18/11		132.96		3857.00		
MW-18	3989.96	10/18/11		132.98		3856.98		
MW-18	3989.96	04/23/12		132.19		3857.77		
MW-18	3989.96	11/05/12		131.81		3858.15		
MW-19	3991.32	10/22/03		130.48		3860.84		

TABLE 1

CUMULATIVE SUMMARY OF FLUID LEVEL MEASUREMENTS
BUCKEYE COMPRESSOR STATION
SECTION 36-T17S-R34E, LEA COUNTY, NM

Monitoring Well ID	TOC Elevation (famsl)	Date Gauged	Depth to Product (fbtoc)	Depth To Water (fbtoc)	Thickness of product (ft.)	Water Elevation (famsl)	Product Removed (gal.)	Water Removed (gal.)
MW-19	3991.32	02/16/05		129.42		3861.90		
MW-19	3991.32	04/07/06		130.63		3860.69		
MW-19	3991.32	06/29/06		130.07		3861.25		
MW-19	3991.32	10/12/06		130.71		3860.61		
MW-19	3991.32	04/26/07		130.63		3860.69		
MW-19	3991.32	10/18/07		130.62		3860.70		
MW-19	3991.32	05/08/08		130.67		3860.65		
MW-19	3991.32	10/08/08		130.84		3860.48		
MW-19	3991.32	04/09/09		131.78		3859.54		
MW-19	3991.32	09/29/09		130.24		3861.08		
MW-19	3991.32	04/05/10		134.77		3856.55		
MW-19	3991.32	10/04/10		135.05		3856.27		
MW-19	3991.32	03/03/11	131.46	135.36	3.90	3858.94	2.00	0.50
MW-19	3991.32	04/07/11	131.50	135.43	3.93	3858.90	2.25	0.25
MW-19	3991.32	04/13/11	131.56	135.52	3.96	3858.83	1.10	0.20
MW-19	3991.32	04/18/11		NG				
MW-19	3991.32	05/03/11	131.58	135.51	3.93	3858.82	1.90	1.15
MW-19	3991.32	05/10/11	131.70	135.50	3.80	3858.73	2.00	0.50
MW-19	3991.32	05/17/11	131.58	135.52	3.94	3858.81	2.00	0.50
MW-19	3991.32	05/24/11	131.65	135.50	3.85	3858.77		
MW-19	3991.32	06/28/11	131.81	135.46	3.65	3858.65	1.30	0.20
MW-19	3991.32	08/24/11	131.75	135.65	3.90	3858.65	2.00	0.00
MW-19	3991.32	08/25/11	131.94	135.13	3.19	3858.63	1.50	0.50
MW-19	3991.32	10/18/11	131.88	135.47	3.59	3858.60	2.75	0.00
MW-19	3991.32	02/01/12	131.66	135.11	3.45	3858.85	0.65	0.10
MW-19	3991.32	02/16/12	131.54	134.88	3.34	3859.00	1.00	0.00
MW-19	3991.32	02/28/12	131.60	135.00	3.40	3858.92	2.00	0.50
MW-19	3991.32	03/12/12	131.69	134.95	3.26	3858.86	1.0	0.1
MW-19	3991.32	03/29/12	131.63	135.03	3.40	3858.89	1.2	0.5
MW-19	3991.32	04/10/12	131.58	135.12	3.54	3858.91	1.5	0.5
MW-19	3991.32	04/23/12	131.64	134.85	3.21	3858.93		
MW-19	3991.32	05/08/12	131.62	134.77	3.15	3858.96	0.8	0
MW-19	3991.32	05/21/12	131.53	134.68	3.15	3859.05	1.5	0
MW-19	3991.32	06/04/12	131.58	134.59	3.01	3859.03	1.5	0
MW-19	3991.32	06/18/12	131.54	134.55	3.01	3859.07	1.5	0.25
MW-19	3991.32	07/03/12	131.55	134.63	3.08	3859.05	2.0	0.5
MW-19	3991.32	07/16/12	131.53	134.45	2.92	3859.10	3.0	0
MW-19	3991.32	08/02/12	131.69	134.10	2.41	3859.06	2.0	0
MW-19	3991.32	08/17/12		NG				
MW-19	3991.32	08/28/12	131.46	134.21	2.75	3859.21	1.5	0
MW-19	3991.32	09/21/12	131.41	134.03	2.62	3859.29	2.5	0
MW-19	3991.32	09/24/12	131.34	133.97	2.63	3859.36	1.0	1
MW-19	3991.32	10/08/12	131.40	133.94	2.54	3859.32	1.5	0
MW-19	3991.32	10/22/12	131.49	134.02	2.53	3859.24	1.5	0
MW-19	3991.32	10/30/12	131.50	134.08	2.58	3859.21	2.0	0
MW-19	3991.32	11/05/12	131.36	133.99	2.63	3859.34	0.0	0
MW-19	3991.32	11/20/12	131.45	133.99	2.54	3859.27	4.5	0
MW-19	3991.32	12/05/12	131.50	133.88	2.38	3859.26	0.0	0
MW-20	3992.62	10/22/03		131.55		3861.07		
MW-20	3992.62	02/16/05		130.65		3861.97		
MW-20	3992.62	04/07/06		131.63		3860.99		
MW-20	3992.62	06/29/06		NG				
MW-20	3992.62	10/12/06		131.85		3860.77		
MW-20	3992.62	04/26/07		131.79		3860.83		
MW-20	3992.62	10/18/07		131.84		3860.78		
MW-20	3992.62	05/14/08		131.70		3860.92		
MW-20	3992.62	10/15/08		131.87		3860.75		

TABLE 1

CUMULATIVE SUMMARY OF FLUID LEVEL MEASUREMENTS
BUCKEYE COMPRESSOR STATION
SECTION 36-T17S-R34E, LEA COUNTY, NM

Monitoring Well ID	*TOC Elevation (famsl)*	*Date Gauged*	*Depth to Product (fbtoc)*	*Depth To Water (fbtoc)*	*Thickness of product (ft.)*	*Water Elevation (famsl)*	*Product Removed (gal.)*	*Water Removed (gal.)*
MW-20	3992.62	04/09/09		132.17		3860.45		
MW-20	3992.62	09/29/09		132.52		3860.10		
MW-20	3992.62	04/05/10		132.71		3859.91		
MW-20	3992.62	10/04/10		132.91		3859.71		
MW-20	3992.62	04/18/11		133.29		3859.33		
MW-20	3992.62	10/18/11		134.12		3858.50		
MW-20	3992.62	04/23/12		133.29		3859.33		
MW-20	3992.62	11/05/12		133.04		3859.58		
MW-21	3993.71	10/22/03		132.78		3860.93		
MW-21	3993.71	02/16/05		132.40		3861.31		
MW-21	3993.71	04/07/06		129.99		3863.72		
MW-21	3993.71	06/29/06		NG				
MW-21	3993.71	10/12/06		133.15		3860.56		
MW-21	3993.71	04/26/07		133.05		3860.66		
MW-21	3993.71	10/18/07		133.11		3860.60		
MW-21	3993.71	05/19/08		132.97		3860.74		
MW-21	3993.71	10/20/08		133.13		3860.58		
MW-21	3993.71	04/09/09		133.40		3860.31		
MW-21	3993.71	09/29/09		133.82		3859.89		
MW-21	NG	04/05/10		NG				
MW-21	3993.71	10/04/10		132.17		3861.54		
MW-21	3993.71	04/18/11		134.58		3859.13		
MW-21	3993.71	10/18/11		131.63		3862.08		
MW-21	3993.71	04/23/12		134.57		3859.14		
MW-21	3993.71	11/05/12		134.20		3859.51		
MW-22	3989.01	10/18/07		130.32		3858.69		
MW-22	3989.01	05/19/08		130.07		3858.94		
MW-22	3989.01	10/14/08		130.27		3858.74		
MW-22	3989.01	04/09/09		130.64		3858.37		
MW-22	3989.01	09/29/09		131.4		3857.61		
MW-22	3989.01	04/05/10		131.63		3857.38		
MW-22	3989.01	10/04/10		131.97		3857.04		
MW-22	3989.01	04/18/11		132.41		3856.60		
MW-22	3989.01	10/18/11		132.68		3856.33		
MW-22	3989.01	04/23/12		131.72		3857.29		
MW-22	3989.01	11/05/12		131.32		3857.69		
MW-23	3989.77	10/18/07		131.15		3858.62		
MW-23	3989.77	05/15/08		130.99		3858.78		
MW-23	3989.77	10/14/08		131.02		3858.75		
MW-23	3989.77	04/09/09		130.98		3858.79		
MW-23	3989.77	09/29/09		131.48		3858.29		
MW-23	3989.77	04/05/10		131.88		3857.89		
MW-23	3989.77	10/04/10		132.06		3857.71		
MW-23	3989.77	04/18/11		132.40		3857.37		
MW-23	3989.77	10/18/11		133.12		3856.65		
MW-23	3989.77	04/23/12		132.17		3857.60		
MW-23	3989.77	11/05/12		132.01		3857.76		
MW-24	3997.05	10/18/07		134.68		3862.37		
MW-24	3997.05	05/15/08		134.62		3862.43		
MW-24	3997.05	10/15/08		134.73		3862.32		
MW-24	3997.05	04/09/09		134.92		3862.13		
MW-24	3997.05	09/29/09		135.05		3862.00		
MW-24	3997.05	04/05/10		135.26		3861.79		
MW-24	3997.05	10/04/10		135.44		3861.61		

TABLE 1

CUMULATIVE SUMMARY OF FLUID LEVEL MEASUREMENTS
BUCKEYE COMPRESSOR STATION
SECTION 36-T17S-R34E, LEA COUNTY, NM

Monitoring Well ID	*TOC Elevation (famsl)*	*Date Gauged*	*Depth to Product (fbtoc)*	*Depth To Water (fbtoc)*	*Thickness of product (ft.)*	*Water Elevation (famsl)*	*Product Removed (gal.)*	*Water Removed (gal.)*
MW-24	3997.05	04/18/11		135.78		3861.27		
MW-24	3997.05	10/18/11		135.86		3861.19		
MW-24	3997.05	04/23/12		135.94		3861.11		
MW-24	3997.05	11/05/12		135.83		3861.22		
EW-1	3987.79	04/05/10		NG				
EW-1	3987.79	10/04/10		127.70		3860.09		
EW-1	3987.79	03/30/11	127.95	131.85	3.90	3858.93	5	0
EW-1	3987.79	04/07/11	128.03	131.82	3.79	3858.87	4	0
EW-1	3987.79	04/13/11	128.16	131.67	3.51	3858.81	3.75	0.05
EW-1	3987.79	04/18/11		NG				
EW-1	3987.79	05/03/11	128.10	132.00	3.90	3858.78	3.5	0.1
EW-1	3987.79	05/10/11	128.24	131.65	3.41	3858.75	3	0.5
EW-1	3987.79	05/17/11	128.32	131.24	2.92	3858.79	3.5	0
EW-1	3987.79	05/24/11	128.50	131.01	2.51	3858.70		
EW-1	3987.79	06/28/11	128.84	130.57	1.73	3858.55	2.0	0.01
EW-1	3987.79	08/24/11	128.23	132.22	3.99	3858.63	4.0	0
EW-1	3987.79	08/25/11	128.66	131.00	2.34	3858.58	2.5	0
EW-1	3987.79	10/18/11	128.70	131.89	3.19	3858.34	2.8	0
EW-1	3987.79	02/01/12	128.99	131.68	2.69	3858.17	4.5	0
EW-1	3987.79	02/16/12	128.07	131.36	3.29	3858.95	3.0	0
EW-1	3987.79	02/28/12	128.14	131.41	3.27	3858.88	2.5	0
EW-1	3987.79	03/12/12	128.19	131.43	3.24	3858.84	3.7	0
EW-1	3987.79	03/29/12	128.04	131.51	3.47	3858.94	3.0	0
EW-1	3987.79	04/10/12	128.01	131.28	3.27	3859.01	2.5	0.5
EW-1	3987.79	04/23/12	128.15	131.39	3.24	3858.88		
EW-1	3987.79	05/08/12	128.14	131.32	3.18	3858.91	1.8	0
EW-1	3987.79	05/21/12	128.07	131.10	3.03	3859.01	4.0	0
EW-1	3987.79	06/04/12	128.27	130.75	2.48	3858.94	1.5	0
EW-1	3987.79	06/18/12	128.04	131.00	2.96	3859.06	3.0	0
EW-1	3987.79	07/03/12	128.18	130.91	2.73	3858.97	1.5	0
EW-1	3987.79	07/16/12	128.02	130.96	2.94	3859.08	3.0	0
EW-1	3987.79	08/02/12	128.03	130.95	2.92	3859.08	3.0	0
EW-1	3987.79	08/17/12	128.05	130.97	2.92	3859.06	0.0	0
EW-1	3987.79	08/28/12	128.11	130.31	2.20	3859.17	2.0	0
EW-1	3987.79	9/21/012	127.92	130.56	2.64	3859.25	2.2	0
EW-1	3987.79	09/24/12	127.91	130.30	2.39	3859.32	2.0	0
EW-1	3987.79	10/08/12	127.91	129.50	1.59	3859.51	2.0	0
EW-1	3987.79	10/22/12	128.10	130.27	2.17	3859.15	2.0	0
EW-1	3987.79	11/05/12	127.79	129.46	1.67	3859.59		
EW-1	3987.79	11/20/12	128.12	130.03	1.91	3859.20	1.5	0
TW-11	3989.11	04/05/10		130.27		3858.84		
TW-11	3989.11	10/04/10		130.59		3858.52		
TW-11	3989.11	01/12/11		129.95		3859.16		
TW-11	3989.11	04/18/11		131.12		3857.99		
TW-11	3989.11	10/18/11		131.46		3857.65		
TW-11	3989.11	04/23/12		130.71		3858.40		
TW-11	3989.11	11/05/12		127.87		3861.24		
TW-13	3988.73	04/05/10		130.56		3858.17		
TW-13	3988.73	10/04/10		130.91		3857.82		
TW-13	3988.73	04/18/11		131.50		3857.23		
TW-13	3988.73	10/18/11		131.57		3857.16		
TW-13	3988.73	04/23/12		130.73		3858.00		
TW-13	3988.73	11/05/12		130.34		3858.39		
TW-20	3988.40	11/5/2012		130.40		3858.00		

TABLE 1

CUMULATIVE SUMMARY OF FLUID LEVEL MEASUREMENTS
BUCKEYE COMPRESSOR STATION
SECTION 36-T17S-R34E, LEA COUNTY, NM

Monitoring Well ID	*TOC Elevation (famsl)*	*Date Gauged*	*Depth to Product (fbtoc)*	*Depth To Water (fbtoc)*	*Thickness of product (ft.)*	*Water Elevation (famsl)*	*Product Removed (gal.)*	*Water Removed (gal.)*

NOTES:
1. NG - not gauged
2. famsl - feet above mean sea level
3. fbtoc - feet below top of casing
4. Light non-aqueous-phase liquid (LNAPL) was observed in MW-8 beginning in October 2010, in MW-19 beginning in May 2008, and in EW-1 begining in October 2010; however, data regarding thickness of LNAPL is not available (Stantec, 2010, 2010 Groundwater Monitoring Report, Buckeye Compressor Station, Lea County, New Mexico, December 2010.)

TABLE 2

CUMULATIVE SUMMARY OF ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
SECTION 36-T17S-R34E, LEA COUNTY, NM

Monitoring Well ID	*Sample Date*	*Benzene (mg/L)*	*Toluene (mg/L)*	*Ethylbenzene (mg/L)*	*Total Xylenes (mg/L)*	*TPH GRO*	*TPH DRO*	*Chloride (mg/L)*	*Total Dissolved Solids (mg/L)*	*Notes*
NMWQCC Remediation Standards (mg/L)		*0.01*	*0.75*	*0.75*	*0.62*			*250*	*1000*	
MW-1	6/19/02	1.74	0.024	<0.010	<0.010			97.5	458	
MW-1	10/9/02	3.56	<0.010	<0.010	<0.010					
MW-1	8/12/03	0.555	0.003	0.003	0.009					
MW-1	8/10/04	1.5	<0.010	0.008	0.014			100	603	
MW-1	2/18/05	1.74	<0.01	<0.01	<0.01			96.0	606	
MW-1	12/21/05	4.4	<0.007	0.017 J	<0.008			74.6		
MW-1	4/11/06	3.0	<0.002	6.3 J	<0.006			73.1		
MW-1	10/12/06	1.4	0.051	0.02300	0.019			81.9		
MW-1	5/1/07	2.3	<0.001	0.0046 J	0.0032 J			80.5	503	
MW-1	10/24/07	1.7	0.0014 J	0.0039 J	0.003			83.7		
MW-1	5/21/08	1.6	0.0055	0.0064	0.005 J			86.4		
MW-1	10/16/08	1.5	0.0017 J	0.0083	0.0066 J			79.7		
MW-1	4/20/09	1.7	0.0036 J	0.0076 J	0.0066 J			73.8		
MW-1	9/29/09	3.1	0.0027	0.0022	0.0059			71.1		
MW-1	4/6/10	4.000	<0.0040	0.0045 J	<0.012					
MW-1	10/7/10	3.300	0.0032 J	0.0013 J	0.0031 J					
MW-1	4/26/11	8.800	<0.0010	0.0022	0.0039	18.2	<0.050	62.5		
MW-1	10/20/11	6.200	<0.200	<0.100	<0.100	<1.50	1.84	63.4		
MW-1	4/26/12	3.94	<0.500	<0.250	<0.250	4.68	<1.50	67.7		
MW-1	11/9/12	1.10	<0.0200	<0.0100	<0.0100	<1.50	<1.50	64.1		
MW-2	6/19/02	1.15	<0.005	0.009	0.017			88.6	335	
MW-2	10/9/02	1.73	<0.010	0.017	0.040					
MW-2	8/12/03	0.947	<0.005	0.007	0.014					
MW-2	8/10/04	0.149	0.001	0.001	0.003			78	361	
MW-2	2/18/05	1.15	<0.010	0.0115	0.030			169		
MW-2	12/21/05	15.0	4.0	0.760	0.700			62.4		
MW-2	4/11/06	0.65	0.11	0.035	0.280			87.4		
MW-2	10/12/06	1.10	0.19	0.017	0.029			81.1		
MW-2	5/7/07	0.490	0.004 J	0.0023	0.009			80.8	469	

TABLE 2

CUMULATIVE SUMMARY OF ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
SECTION 36-T17S-R34E, LEA COUNTY, NM

Monitoring Well ID	*Sample Date*	*Benzene (mg/L)*	*Toluene (mg/L)*	*Ethylbenzene (mg/L)*	*Total Xylenes (mg/L)*	*TPH GRO*	*TPH DRO*	*Chloride (mg/L)*	*Total Dissolved Solids (mg/L)*	*Notes*
NMWQCC Remediation Standards (mg/L)		*0.01*	*0.75*	*0.75*	*0.62*			*250*	*1000*	
MW-2	10/24/07	0.90	0.0007 J	0.004	0.016			79.8		
MW-2	5/21/08	1.3	0.0035	0.004	0.014			100		
MW-2	10/16/08	0.67	0.0013 J	0.0013 J	0.011 J			92.3		
MW-2	4/20/09	0.74	0.0013 J	0.0013 J	0.015			63.5		
MW-2	9/29/09	0.62	0.020	0.0043	0.015			67.8		
MW-2	4/6/10	0.140	<0.0002	0.0002 J	0.0055					
MW-2	10/6/10	0.200	0.035	0.0044	0.0087					
MW-2	4/21/11	1.000	0.0033	<0.00020	<0.00070	1.99	0.051	62.0		
MW-2	10/19/11	0.993	<0.00200	<0.00100	<0.00100	<1.50	2.04	106		
MW-2	4/26/12	0.868	<0.500	<0.250	<0.250	<1.50	<1.50	129		
MW-2	11/12/12	0.709	0.0224	0.0122	0.0317	<1.50	<1.50	140		
MW-3	6/20/02	1.05	<0.739	0.345	0.416			56.1		
MW-3	10/9/02	4.8	1.24	0.088	0.178					
MW-3	8/11/03	3.3	1.13	0.24	0.272					
MW-3	8/10/04	2.57	1.190	0.185	0.222			49.6		
MW-3	2/18/05									NS--H2S
MW-3	12/20/05									NS--H2S
MW-3	4/11/06	1.70	0.62	0.091	0.086			47.7		
MW-3	10/12/06	5.30	1.8	0.16	0.240			60.2		
MW-3	5/3/07	3.40	1.3	0.16	0.260			56.3	359	
MW-3	10/24/07									NS--no access
MW-3	5/20/08	1.40	0.085	0.034	0.045			63		
MW-3	10/16/08									No lab data
MW-3	4/16/09	0.46	0.061	0.011	0.020			54.9		
MW-3	9/29/09	0.50	0.091	0.012	0.019			52.8		
MW-3	4/6/10	0.570	0.190	0.021	0.028					
MW-3	10/6/10	0.430	0.160	0.017	0.025					
MW-3	4/21/11	6.600	1.100	0.088	0.120	14.5	0.026 J	41.7		
MW-3	10/19/11	7.05	0.372	0.391	0.480	11.1	2.200	43.8		

TABLE 2

CUMULATIVE SUMMARY OF ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
SECTION 36-T17S-R34E, LEA COUNTY, NM

Monitoring Well ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	TPH GRO	TPH DRO	Chloride (mg/L)	Total Dissolved Solids (mg/L)	Notes
NMWQCC Remediation Standards (mg/L)		*0.01*	*0.75*	*0.75*	*0.62*			*250*	*1000*	
MW-3	4/24/12									NS--LNAPL
MW-3	11/12/12	7.06	0.822	0.249	0.204	11.8	<1.50	43.5		
MW-4	6/20/02	0.001	<0.001	0.001	0.001			142	558	
MW-4	10/9/02	0.705	<0.005	0.005	0.011					
MW-4	8/13/03	2.39	<0.005	0.012	0.006					
MW-4	8/11/04	3.73	0.0409	0.077	0.037			44.3	329	
MW-4	2/18/05	6.85	0.004 J	0.043	0.024			43.0	312	
MW-4	12/20/05	4.80	<0.001	0.035	0.018			50.5		
MW-4	4/12/06	5.00	0.014	0.050	0.018 J			42.9		
MW-4	10/11/06	6.30	0.0031 J	0.039	0.020			52.6		
MW-4	4/30/07	14.00	0.0089 J	0.170	0.074			64.4	276	
MW-4	10/24/07	14.00	0.012	0.180	0.067			53.4		
MW-4	5/19/08	12.00	0.170	0.150	0.110			62.9		
MW-4	10/20/08	17.00	1.1	0.580	2.200			63.4		
MW-4	4/15/09	20.00	0.180	0.390	0.28 J			57.10		
MW-4	9/30/09	18.00	0.110	0.320	0.140 J			56.70		
MW-4	4/6/10	25.000	0.490	0.470	0.220 J					
MW-4	10/7/10	20.000	0.500	0.370	0.200					
MW-4	4/26/11	39.000	0.170	0.230	0.130	75.7	0.360	86.4		
MW-4	10/20/11	23.1	<0.200	0.128	<0.100	21.4	1.810	79		
MW-4	4/26/12	16.6	<0.500	<0.250	<0.250	15.9	<1.50	77.1		
MW-4	11/7/12	19.2	0.464	0.113	0.449	18.6	<1.50	70.7		
MW-5	6/20/02	0.002	<0.001	0.001	0.001			160	521	
MW-5	10/9/02	0.489	<0.001	<0.001	<0.001					
MW-5	8/13/03	0.361	0.002	0.001	0.002					
MW-5	8/12/04	0.169	0.0005	0.0021	0.002			63.8	408	
MW-5	2/18/05	0.125	<0.001	0.001 J	0.002			48.8	397	
MW-5	12/21/05	0.30	<0.0007	0.002 J	0.002 J			36.1		

TABLE 2

CUMULATIVE SUMMARY OF ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
SECTION 36-T17S-R34E, LEA COUNTY, NM

Monitoring Well ID	*Sample Date*	*Benzene (mg/L)*	*Toluene (mg/L)*	*Ethylbenzene (mg/L)*	*Total Xylenes (mg/L)*	*TPH GRO*	*TPH DRO*	*Chloride (mg/L)*	*Total Dissolved Solids (mg/L)*	*Notes*
NMWQCC Remediation Standards (mg/L)		***0.01***	***0.75***	***0.75***	***0.62***			***250***	***1000***	
MW-5	4/12/06	0.04	0.014	0.0055	0.006			26.9		
MW-5	10/12/06	0.71	0.200	0.036	0.039			31.5		
MW-5	4/26/07	0.013	<0.0002	<0.0002	<0.0006			26.7	303	
MW-5	10/23/07	0.0083	<0.0002	<0.0002	<0.0006			25.6		
MW-5	5/20/08	0.066	0.0012	0.0086	0.011			30.1		
MW-5	10/20/08	0.012	0.0015	0.0003 J	<0.0006			37.3		
MW-5	4/21/09	0.028	0.0007 J	0.0018	0.0015 J			27.2		
MW-5	9/29/09	0.011	0.0008 J	<0.0002	<0.0006			25.9		
MW-5	4/6/10	0.037	0.0004 J	0.0003 J	<0.0006					
MW-5	10/5/10	0.019	<0.0002	<0.0002	<0.0006					
MW-5	4/21/11	0.0014	0.0025	<0.00020	<0.00070	<0.020	<0.020	20.5		
MW-5	10/18/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	1.87	25.4		
MW-5	4/25/12	0.0335	<0.00200	<0.00100	<0.00100	<1.50	<1.50	29.3		
MW-5	11/8/12	0.00901	<0.00200	<0.00100	<0.00100	<1.50	1.68	27.8		
MW-6	6/20/02	0.444	<0.001	0.001	0.001			28.4	329	
MW-6	10/9/02	5.45	<0.010	<0.010	0.032					
MW-6	8/12/03	1.63	<0.005	<0.005	0.010					
MW-6	8/10/04	0.827	0.001	0.001	0.006			24.8	318	
MW-6	2/18/05	1.62	<0.0050	<0.0050	0.000			31.9	368	
MW-6	12/21/05	1.8	<0.001	<0.002	0.005 J			25.8		
MW-6	4/11/06	1.5	0.330	0.043	0.049			49.5		
MW-6	10/12/06	2.2	<0.001	0.0028 J	0.015			39.1		
MW-6	5/1/07	0.850	0.0050 J	0.0028	0.007			26.3	282	
MW-6	10/24/07	1.1	0.0005 J	0.0049	0.009			37.9		
MW-6	5/20/08	0.940	0.0012	0.0073	0.015			24.1		
MW-6	10/16/08	0.530	0.001 J	0.0023 J	0.0051 J			22.9		
MW-6	4/16/09	1.4	0.0003 J	0.0027	0.011			22.1		
MW-6	9/29/09	1.9	0.0035	0.0054	0.025			27		
MW-6	4/6/10	1.600	0.0004 J	0.0083	0.028					

TABLE 2

CUMULATIVE SUMMARY OF ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
SECTION 36-T17S-R34E, LEA COUNTY, NM

Monitoring Well ID	*Sample Date*	*Benzene (mg/L)*	*Toluene (mg/L)*	*Ethylbenzene (mg/L)*	*Total Xylenes (mg/L)*	*TPH GRO*	*TPH DRO*	*Chloride (mg/L)*	*Total Dissolved Solids (mg/L)*	*Notes*
NMWQCC Remediation Standards (mg/L)		*0.01*	*0.75*	*0.75*	*0.62*			*250*	*1000*	
MW-6	10/7/10	0.460	0.0051	0.0015	0.0063					
MW-6	4/21/11	0.800	0.0031	<0.00020	0.00089 J	1.60	<0.020	27.5		
MW-6	10/20/11	0.289	<0.00200	<0.00100	<0.00100	<1.50	2.21	40.9		
MW-6	4/27/12	0.250	<0.00200	<0.00100	<0.00100	<1.50	<1.50	50.0		
MW-6	11/12/12	0.807	<0.0200	<0.0100	<0.0100	<1.50	<1.50	52.1		
MW-7	6/20/02	0.001	<0.001	0.001	0.001			31.9	337	
MW-7	10/9/02	0.086	<0.001	<0.001	0.001					
MW-7	8/12/03	0.241	<0.001	<0.001	0.002					
MW-7	8/10/04	0.0436	<0.001	<0.001	<0.001			19.5	322	
MW-7	2/18/05	0.0375	<0.001	<0.001	<0.001			23.5	387	
MW-7	12/21/05	0.012	<0.0007	<0.0008	<0.0008			18.0		
MW-7	4/12/06	0.1	0.043	0.0086	0.008			16.9		
MW-7	10/12/06	0.13	0.0002 J	0.0006 J	0.0009 J			31.9		
MW-7	5/1/07	<0.0002	<0.0002	<0.0002	<0.0006			18.4	293	
MW-7	10/24/07	0.17	0.0003 J	0.010	0.004			18.5		
MW-7	5/20/08	0.045	0.0009 J	0.0066	0.009			19.8		
MW-7	10/15/08	0.0032	0.0003 J	<0.0002	<0.0006			18.2		
MW-7	4/16/09	0.009	<0.0002	<0.0002	<0.0006			15.6		
MW-7	9/29/09	0.0023	0.0009 J	<0.0002	<0.0006			16		
MW-7	4/5/10	0.0040	0.0003 J	<0.0002	<0.0006					
MW-7	10/5/10	0.0066	<0.0002	<0.0002	<0.0006					
MW-7	4/20/11	<0.00020	0.0046	<0.00020	<0.00070	<0.020	<0.020	19.0		
MW-7	10/20/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	20.7		
MW-7	4/24/12	<0.00100	0.00405	<0.00100	<0.00100	<1.50	<1.50	20.8		
MW-7	11/12/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	17.8		
MW-8	6/20/02	1.23	<0.005	0.046	0.021			31.9	359	
MW-8	10/9/02	0.579	<0.005	0.031	0.018					
MW-8	8/12/03	0.673	0.001	0.010	0.013					

TABLE 2

CUMULATIVE SUMMARY OF ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
SECTION 36-T17S-R34E, LEA COUNTY, NM

Monitoring Well ID	*Sample Date*	*Benzene (mg/L)*	*Toluene (mg/L)*	*Ethylbenzene (mg/L)*	*Total Xylenes (mg/L)*	*TPH GRO*	*TPH DRO*	*Chloride (mg/L)*	*Total Dissolved Solids (mg/L)*	*Notes*
NMWQCC Remediation Standards (mg/L)		***0.01***	***0.75***	***0.75***	***0.62***			***250***	***1000***	
MW-8	8/10/04	0.441	0.001	0.047	0.015			42.1	392	
MW-8	2/18/05	2.32	0.010 J	0.048	0.021			56.3	532	
MW-8	12/21/05	4.6	0.051	0.460	0.120			56.1		
MW-8	4/11/06	3.4	0.170	0.170	0.072			50.6		
MW-8	10/12/06	4.3	0.180	0.260	0.098			49.3		
MW-8	5/1/07	4.1	0.016	0.200	0.093			48.9	429	
MW-8	10/24/07	4.4	0.018	0.220	0.086			52.9		
MW-8	5/21/08	1.7	0.049	0.038	0.033			48.2		
MW-8	10/16/08	5.3	0.0068 J	0.140	0.081			53.6		
MW-8	4/20/09	6.1	0.130	0.200	0.110			46.9		
MW-8	9/30/09	4	0.0085	0.120	0.067			42.8		
MW-8	4/6/10	2.900	0.120	0.091	0.062					
MW-8	10/5/10									NS--LNAPL
MW-8	4/18/11									NS--LNAPL
MW-8	10/18/11									NS--LNAPL
MW-8	4/23/12									NS--LNAPL
MW-8	11/5/12									NS--LNAPL
MW-9	10/9/02	0.004	<0.001	0.001	0.023					
MW-9	8/12/03	0.083	0.002	<0.001	0.007					
MW-9	8/10/04	0.004	0.001	0.0003	0.002			230	915	
MW-9	2/18/05	0.001 J	<0.001	0.0002 J	0.009			34.0	625	
MW-9	12/21/05	0.001 J	<0.0007	<0.0008	0.019			23.9		
MW-9	4/11/06	0.30	0.150	0.027	0.032			77.5		
MW-9	10/12/06	0.46	0.093	0.025	0.025			58.8		
MW-9	5/1/07	0.710	0.0005 J	0.0021	0.003			136	677	
MW-9	10/24/07	0.11	<0.001	0.0057	0.012			31.2		
MW-9	5/21/08	2.70	0.016	0.0072	0.0093 J			95.1		
MW-9	10/16/08									NS--no access
MW-9	4/20/09	2.60	0.0075 J	0.017	0.012 J			110		

TABLE 2

CUMULATIVE SUMMARY OF ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
SECTION 36-T17S-R34E, LEA COUNTY, NM

Monitoring Well ID	*Sample Date*	*Benzene (mg/L)*	*Toluene (mg/L)*	*Ethylbenzene (mg/L)*	*Total Xylenes (mg/L)*	*TPH GRO*	*TPH DRO*	*Chloride (mg/L)*	*Total Dissolved Solids (mg/L)*	*Notes*
NMWQCC Remediation Standards (mg/L)		*0.01*	*0.75*	*0.75*	*0.62*			*250*	*1000*	
MW-9	9/30/09	3.20	0.0021	0.0025	0.0023 J			141		
MW-9	4/6/10	5.500	0.057	0.061	0.081					
MW-9	10/7/10	3.100	0.027	0.072	0.013 J					
MW-9	4/26/11	4.700	0.069	0.059	0.011	9.320	<0.050	155		
MW-9	10/18/11									NS--LNAPL
MW-9	4/23/12									NS--LNAPL
MW-9	11/5/12									NS--LNAPL
MW-10	10/8/02	0.029	<0.001	0.001	0.001					
MW-10	8/12/03	0.060	<0.001	<0.001	<0.001					
MW-10	8/11/04	0.050	0.0002	0.0004	0.001			35.4	328	
MW-10	2/18/05	0.022	<0.001	<0.001	<0.001			36.5	380	
MW-10	12/20/05	0.024	<0.0007	0.002 J	0.002 J			48.1		
MW-10	4/11/06	0.0033	0.0003 J	<0.0002	<0.0006			38.4		
MW-10	10/11/06	0.0037	<0.0002	<0.0002	<0.0006			33.3		
MW-10	4/26/07	0.0002 J	<0.0002	<0.0002	<0.0006			41.8	311	
MW-10	10/22/07	<0.0002	<0.0002	<0.0002	<0.0006			30.2		
MW-10	5/16/08	0.0041	<0.0002	0.001	<0.0006			32.5		
MW-10	10/14/08	<0.005	0.0003 J	<0.0002	<0.0006			33.1		
MW-10	4/16/09	0.034	0.0005 J	0.002	0.0015 J			31.7		
MW-10	9/29/09	0.0032	0.0018	0.0005 J	<0.0006			30.9		
MW-10	4/6/10	0.0044	0.0003 J	<0.0002	<0.0006					
MW-10	10/5/10	0.0051	<0.0002	<0.0002	<0.0006					
MW-10	4/20/11	<0.00020	0.0015	<0.00020	<0.00070	<0.020	<0.020	42.7		
MW-10	10/20/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	38.0		
MW-10	4/25/12	<0.00100	0.00311	<0.00100	<0.00100	<1.50	<1.50	37.5		
MW-10	11/8/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	30.1		
MW-11	10/8/02	0.001	<0.001	0.001	0.001					
MW-11	8/13/03	<0.001	<0.001	<0.001	<0.001					

TABLE 2

CUMULATIVE SUMMARY OF ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
SECTION 36-T17S-R34E, LEA COUNTY, NM

Monitoring Well ID	*Sample Date*	*Benzene (mg/L)*	*Toluene (mg/L)*	*Ethylbenzene (mg/L)*	*Total Xylenes (mg/L)*	*TPH GRO*	*TPH DRO*	*Chloride (mg/L)*	*Total Dissolved Solids (mg/L)*	*Notes*
NMWQCC Remediation Standards (mg/L)		***0.01***	***0.75***	***0.75***	***0.62***			***250***	***1000***	
MW-11	8/11/04	<0.001	<0.001	<0.001	<0.001			47.9	340	
MW-11	2/18/05	<0.001	<0.001	<0.001	<0.001			50.1	441	
MW-11	12/20/05	0.0006 J	<0.0007	<0.0008	<0.0008			43.1		
MW-11	4/11/06	0.0009 J	0.0002 J	<0.0002	<0.0006			39.8		
MW-11	10/11/06	0.0005 J	0.0003 J	<0.0002	<0.0006			56.1		
MW-11	4/26/07	0.0003 J	<0.0002	<0.0002	<0.0006			70.6	268	
MW-11	10/22/07	<0.0002	<0.0002	<0.0002	<0.0006			38.7		
MW-11	5/14/08	0.0014	<0.0002	0.0007 J	<0.0006			65		
MW-11	10/14/08	0.0003 J	0.0002 J	<0.0002	<0.0006			97.4		
MW-11	04/16/09									Destroyed
MW-12	10/8/02	0.001	<0.001	0.001	0.001					
MW-12	8/13/03	<0.001	<0.001	<0.001	<0.001					
MW-12	8/11/04	<0.001	<0.001	<0.001	<0.001			40.8	324	
MW-12	2/18/05	0.001 J	<0.001	<0.001	<0.001			45.2	378	
MW-12	12/20/05	<0.0005	<0.0007	<0.0008	<0.0008			41.3		
MW-12	4/11/06	0.0007 J	<0.0002	<0.0002	<0.0006			37.2		
MW-12	10/11/06	<0.0002	0.0002 J	<0.0002	<0.0006			103		
MW-12	4/26/07	<0.0002	<0.0002	<0.0002	<0.0006			41	263	
MW-12	10/22/07	0.0002 J	<0.0002	<0.0002	<0.0006			65.2		
MW-12	5/14/08	0.0009 J	<0.0002	0.0006 J	<0.0006			45.9		
MW-12	10/14/08	0.0002 J	0.0003 J	0.0002 J	<0.0006			49.2		
MW-12	4/16/09	0.066	0.0008 J	0.0028	0.0021 J			46.4		
MW-12	9/30/09	0.0045	0.0024	0.0006 J	0.0006 J			40.1		
MW-12	4/6/10	0.0005 J	<0.0002	<0.0002	<0.0006					
MW-12	10/6/10	0.0012	<0.0002	<0.0002	<0.0006					
MW-12	4/19/11	<0.00020	0.0043	<0.00020	<0.00070	<0.020	<0.020	45.5		
MW-12	10/19/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	46.3		
MW-12	4/25/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	45.1		
MW-12	11/12/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	38.5		

TABLE 2

CUMULATIVE SUMMARY OF ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
SECTION 36-T17S-R34E, LEA COUNTY, NM

Monitoring Well ID	*Sample Date*	*Benzene (mg/L)*	*Toluene (mg/L)*	*Ethylbenzene (mg/L)*	*Total Xylenes (mg/L)*	*TPH GRO*	*TPH DRO*	*Chloride (mg/L)*	*Total Dissolved Solids (mg/L)*	*Notes*
NMWQCC Remediation Standards (mg/L)		*0.01*	*0.75*	*0.75*	*0.62*			*250*	*1000*	
MW-13	10/8/02	0.065	<0.001	0.001	0.001					
MW-13	8/13/03	0.060	0.002	<0.001	<0.001					
MW-13	8/11/04	0.004	<0.001	<0.001	<0.001			62.0	400	
MW-13	2/18/05	0.003	<0.001	<0.001	<0.001			72.4	427	
MW-13	12/20/05	0.038	<0.0007	<0.0008	<0.0008			86.4		
MW-13	4/12/06	0.170	0.015	0.005	0.005			115		
MW-13	10/11/06	0.0039	<0.0002	<0.0002	<0.0006			103		
MW-13	5/3/07	0.031	0.0005 J	0.0008 J	0.0011 J			114	495	
MW-13	10/22/07									NS--obstructed
MW-13	5/20/08	0.380	0.0062	0.0049	0.004			112		
MW-13	10/20/08	0.028	0.0018	0.0003 J	0.0008 J			114		
MW-13	4/16/09	0.037	<0.0002	<0.0002	0.0007 J			112		
MW-13	9/30/09	0.025	0.0015	0.0007 J	0.0022 J			101		
MW-13	4/6/10	0.0030	0.0002 J	<0.0002	<0.0006					
MW-13	10/5/10	0.0042	<0.0002	<0.0002	<0.0006					
MW-13	4/20/11	<0.00020	0.0016	<0.00020	<0.00070	<0.020	<0.020	76.5		
MW-13	10/20/11	0.00139	<0.00200	<0.00100	<0.00100	<1.50	<1.50	75.0		
MW-13	4/26/12	0.00158	0.00288	<0.00100	<0.00100	<1.50	<1.50	81.1		
MW-13	11/7/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	76.7		
MW-14	10/9/02	3.63	<0.014	0.098	0.187					
MW-14	8/13/03	1.65	0.014	0.165	0.260					
MW-14	8/11/04	0.786	0.0464	0.172	0.227			111	791	
MW-14	2/18/05	1.34	0.0378	0.159	0.178			103	916	
MW-14	12/20/05	2.80	0.049	0.750	0.670			82.1		
MW-14	4/12/06	0.93	0.053	0.055	0.053			30.7		
MW-14	10/12/06									NS
MW-14	4/30/07	0.880	0.005 J	0.200	0.280			29.8	669	
MW-14	10/23/07	0.77	0.0057	0.160	0.210			21.8		

TABLE 2

CUMULATIVE SUMMARY OF ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
SECTION 36-T17S-R34E, LEA COUNTY, NM

Monitoring Well ID	*Sample Date*	*Benzene (mg/L)*	*Toluene (mg/L)*	*Ethylbenzene (mg/L)*	*Total Xylenes (mg/L)*	*TPH GRO*	*TPH DRO*	*Chloride (mg/L)*	*Total Dissolved Solids (mg/L)*	*Notes*
NMWQCC Remediation Standards (mg/L)		***0.01***	***0.75***	***0.75***	***0.62***			***250***	***1000***	
MW-14	5/20/08	0.970	0.0067	0.180	0.210			20.1		
MW-14	10/20/08	1.50	0.027	0.220	0.270			26.2		
MW-14	4/16/09	0.86	0.0051	0.140	0.240			17.2		
MW-14	9/29/09	0.56	0.012	0.057	0.160			14.8		
MW-14	4/6/10	0.540	0.0042	0.083	0.180					
MW-14	10/6/10	0.170	0.028	0.0068	0.086					
MW-14	4/20/11	0.460	0.0022	0.00088 J	0.0035	1.04	0.69	31.4		
MW-14	10/19/11	1.48	<0.200	<0.100	<0.100	<1.50	1.560	55.9		
MW-14	4/26/12	0.487	<0.0400	<0.0200	<0.0200	<1.50	<1.50	55.8		
MW-14	11/7/12	0.104	<0.00200	<0.00100	<0.00100	<1.50	<1.50	69.7		
MW-15	10/9/02	0.001	<0.001	0.001	0.001					
MW-15	8/13/03	<0.001	<0.001	<0.001	<0.001					
MW-15	8/12/04	<0.001	<0.001	<0.001	<0.001			60.3	450	
MW-15	2/18/05	<0.001	<0.001	<0.001	<0.001			78.0	462	
MW-15	12/20/05	0.006	<0.0007	0.003 J	0.002 J			79.2		
MW-15	4/12/06	0.58	0.054	0.018	0.016			54.8		
MW-15	10/11/06	0.034	<0.0002	0.0008 J	<0.0006			91.6		
MW-15	4/30/07	0.0005 J	<0.0002	<0.0002	<0.0006			94.7	433	
MW-15	10/23/07	0.0011	<0.0002	<0.0002	<0.0006			88.3		
MW-15	5/19/08	<0.0002	<0.0002	0.0003 J	<0.0006			99.5		
MW-15	10/14/08	0.0012	0.0021	0.0007 J	0.0016 J			78.6		
MW-15	4/15/09	<0.0002	<0.0002	<0.0002	<0.0006			79.7		
MW-15	9/29/09	0.0065	0.0030	0.0007 J	0.0008 J			84.0		
MW-15	4/5/10	0.0082	0.0003 J	<0.0002	0.0007 J					
MW-15	10/5/10	0.029	<0.0002	<0.0002	0.0011 J					
MW-15	4/26/11	<0.0010	<0.0010	<0.0010	<0.0030	<0.0500	<0.050	95.1		
MW-15	10/19/2011	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	70.8		
MW-15	4/25/2012	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	78.1		
MW-15	11/8/2012	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	76.6		

TABLE 2

CUMULATIVE SUMMARY OF ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
SECTION 36-T17S-R34E, LEA COUNTY, NM

Monitoring Well ID	*Sample Date*	*Benzene (mg/L)*	*Toluene (mg/L)*	*Ethylbenzene (mg/L)*	*Total Xylenes (mg/L)*	*TPH GRO*	*TPH DRO*	*Chloride (mg/L)*	*Total Dissolved Solids (mg/L)*	*Notes*
NMWQCC Remediation Standards (mg/L)		*0.01*	*0.75*	*0.75*	*0.62*			*250*	*1000*	
MW-16	10/23/03	0.001	<0.001	0.001	0.001			60.3	381	
MW-16	8/12/04	<0.001	<0.001	<0.001	<0.001			56.6	346	
MW-16	2/18/05	<0.001	<0.001	<0.001	<0.001			60.0	596	
MW-16	12/20/05	0.007	<0.0007	0.002 J	0.001 J			48.3		
MW-16	4/12/06	0.11	0.024	0.011	0.010			33.3		
MW-16	10/11/06	0.064	<0.0002	0.001	0.0006 J			49.3		
MW-16	4/26/07	0.001 J	<0.0002	<0.0002	<0.0006			59.5	176	
MW-16	10/23/07	<0.0002	<0.0002	<0.0002	<0.0006			46.4		
MW-16	5/19/08	0.0007 J	<0.0002	0.0004 J	<0.0006			53.6		
MW-16	10/14/08	0.0007 J	0.0025	0.0005 J	0.0012 J			57.1		
MW-16	4/15/09	<0.0002	<0.0002	<0.0002	<0.0006			49.1		
MW-16	9/29/09	0.0094	0.0037	0.0007 J	0.0008 J			51.8		
MW-16	4/5/10	<0.0002	<0.0002	<0.0002	<0.0006					
MW-16	10/5/10	<0.0002	<0.0002	<0.0002	<0.0006					
MW-16	4/19/11	<0.00020	0.0030	<0.00020	<0.00070	<0.020	<0.020	53.1		
MW-16	10/18/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	1.64	53.6		
MW-16	4/24/12	<0.00100	0.00333	<0.00100	<0.00100	<1.50	<1.50	84.1		
MW-16	11/7/12	<0.00100	<0.00200	<0.00100	0.00600	<1.50	<1.50	53.7		
MW-17	10/23/03	0.001	<0.001	0.001	0.001			292	1090	
MW-17	8/12/04	<0.001	<0.001	<0.001	<0.001			230	894	
MW-17	2/18/05	<0.001	<0.001	<0.001	<0.001			160	758	
MW-17	12/20/05	0.053	<0.004	<0.004	<0.004			116		
MW-17	4/12/06	0.5	0.07	0.012	0.013			55.4		
MW-17	10/11/06	0.17	<0.0002	0.0024	0.0014 J			154		
MW-17	4/30/07	0.001	<0.0002	<0.0002	<0.0006			145	668	
MW-17	10/23/07	0.0029	<0.0002	<0.0002	<0.0006			117		
MW-17	5/19/08	0.0005 J	<0.0002	0.0003 J	<0.0006			133		
MW-17	10/14/08	0.0007 J	0.0022	0.0005 J	0.0012 J			144		

TABLE 2

CUMULATIVE SUMMARY OF ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
SECTION 36-T17S-R34E, LEA COUNTY, NM

Monitoring Well ID	*Sample Date*	*Benzene (mg/L)*	*Toluene (mg/L)*	*Ethylbenzene (mg/L)*	*Total Xylenes (mg/L)*	*TPH GRO*	*TPH DRO*	*Chloride (mg/L)*	*Total Dissolved Solids (mg/L)*	*Notes*
NMWQCC Remediation Standards (mg/L)		*0.01*	*0.75*	*0.75*	*0.62*			*250*	*1000*	
MW-17	4/15/09	<0.0002	<0.0002	<0.0002	<0.0006			77.2		
MW-17	9/29/09	0.0081	0.0034	0.0008 J	0.0012 J			46.3		
MW-17	4/5/10	0.270	<0.0002	0.0005 J	0.0080					
MW-17	10/5/10	1.300	<0.0002	0.0017	0.021					
MW-17	4/26/11	0.220	<0.0010	<0.0010	<0.0030	<0.0500	<0.050	33.4		
MW-17	10/20/11	0.127	<0.00200	<0.00100	<0.00100	<1.50	1.87	28.2		
MW-17	4/26/12	0.203	<0.0400	<0.0200	<0.0200	<1.50	<1.50	30.6		
MW-17	11/7/12	0.243	<0.00200	<0.00100	0.00261	<1.50	<1.50	34.3		
MW-18	10/23/03	0.07	<0.001	0.001	0.001			81.5	637	
MW-18	8/11/04	0.307	<0.001	<0.001	0.001			92.2	641	
MW-18	2/18/05	0.430	<0.001	<0.001	<0.001			98.2	782	
MW-18	12/20/05	0.530	<0.0007	0.005	0.010			102		
MW-18	4/12/06	0.180	0.017	0.015	0.016			89.2		
MW-18	10/12/06	0.042	<0.0002	<0.0002	<0.0006			104		
MW-18	4/30/07	0.180	<0.0002	<0.0002	0.0013 J			105	665	
MW-18	10/23/07	0.260	<0.0002	<0.0002	0.0014 J			92.5		
MW-18	5/19/08	0.460	0.011	0.0098	0.008			110		
MW-18	10/20/08	0.110	0.0005 J	0.0009 J	0.0018 J			115		
MW-18	4/16/09	0.140	0.0013	0.0037	0.0028 J			97.1		
MW-18	9/30/09	0.0099	0.0029	0.0007 J	0.0008 J			100		
MW-18	4/6/10	0.0045	<0.0002	<0.0002	<0.0006					
MW-18	10/6/10	0.0015	<0.0002	<0.0002	<0.0006					
MW-18	4/19/11	<0.00020	0.0030	<0.00020	<0.00070	<0.020	<0.020	73.9		
MW-18	10/19/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	48.0		
MW-18	4/25/12	<0.00100	0.00310	<0.00100	<0.00100	<1.50	<1.50	105		
MW-18	11/7/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	68.7		
MW-19	10/22/03	1.99	<0.334	0.089	0.115			62	554	
MW-19	8/9/04	11.7	2.9	0.408	0.387			44.3	492	

TABLE 2

CUMULATIVE SUMMARY OF ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
SECTION 36-T17S-R34E, LEA COUNTY, NM

Monitoring Well ID	*Sample Date*	*Benzene (mg/L)*	*Toluene (mg/L)*	*Ethylbenzene (mg/L)*	*Total Xylenes (mg/L)*	*TPH GRO*	*TPH DRO*	*Chloride (mg/L)*	*Total Dissolved Solids (mg/L)*	*Notes*
NMWQCC Remediation Standards (mg/L)		*0.01*	*0.75*	*0.75*	*0.62*			*250*	*1000*	
MW-19	2/18/05	10.8	2.16	0.183	0.145			56.6	369	
MW-19	12/21/05	23.0	5.4	0.850	0.930			36.7		
MW-19	4/11/06	16.0	2.4	0.320	0.360			52.8		
MW-19	10/12/06	11.0	2.0	0.350	0.400			53.6		
MW-19	5/1/07	13.0	2.0	0.370	0.440			64.2	377	
MW-19	10/24/07	11.0	1.1	0.350	0.430			62.2		
MW-19	5/8/08									NS--LNAPL
MW-19	10/08/08									NS--LNAPL
MW-19	04/16/09									NS--LNAPL
MW-19	9/28/09									NS--LNAPL
MW-19	4/5/10									NS--LNAPL
MW-19	10/5/10									NS--LNAPL
MW-19	4/18/11									NS--LNAPL
MW-19	10/18/11									NS--LNAPL
MW-19	4/23/12									NS--LNAPL
MW-19	11/5/12									NS-LNAPL
MW-20	10/23/03	0.001	<0.001	0.001	0.001			42.5	441	
MW-20	8/11/04	<0.001	<0.001	<0.001	<0.001			21.3	349	
MW-20	2/18/05	<0.001	<0.001	<0.001	<0.001			21.1	446	
MW-20	12/20/05	0.004 J	<0.0007	0.001 J	0.0008 J			18.2		
MW-20	4/11/06	0.0004 J	<0.0002	<0.0002	<0.0006			17.4		
MW-20	10/11/06	0.0005 J	<0.0002	<0.0002	<0.0006			21.7		
MW-20	4/26/07	<0.0002	<0.0002	<0.0002	<0.0006			19.1	322	
MW-20	10/22/07	<0.0002	<0.0002	<0.0002	<0.0006			17.2		
MW-20	5/14/08	0.0037	<0.0002	0.0012	<0.0006			17.5		
MW-20	10/15/08	0.0004 J	0.0004 J	<0.0002	<0.0006			19.1		
MW-20	4/16/09	0.04	0.0006 J	0.0021	0.0016 J			18.3		
MW-20	9/28/09	0.0086	0.0034	0.0007 J	0.0008 J			16.5		
MW-20	4/6/10	0.0011	<0.0002	<0.0002	<0.0006					

TABLE 2

CUMULATIVE SUMMARY OF ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
SECTION 36-T17S-R34E, LEA COUNTY, NM

Monitoring Well ID	*Sample Date*	*Benzene (mg/L)*	*Toluene (mg/L)*	*Ethylbenzene (mg/L)*	*Total Xylenes (mg/L)*	*TPH GRO*	*TPH DRO*	*Chloride (mg/L)*	*Total Dissolved Solids (mg/L)*	*Notes*
NMWQCC Remediation Standards (mg/L)		*0.01*	*0.75*	*0.75*	*0.62*			*250*	*1000*	
MW-20	10/6/10	0.0022	<0.0002	<0.0002	<0.0006					
MW-20	4/19/11	<0.00020	0.0039	<0.00020	<0.00070	<0.020	<0.020	15.6		
MW-20	10/20/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	15.6		
MW-20	4/25/12	<0.00100	0.00452	<0.00100	<0.00100	<1.50	<1.50	16.5		
MW-20	11/9/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	13.3		
MW-21	10/23/03	0.001	<0.001	0.001	0.001			40.8	455	
MW-21	8/12/04	<0.001	<0.001	<0.001	<0.001			31.9		
MW-21	2/18/05	<0.001	<0.001	<0.001	<0.001			35.4	405	
MW-21	12/21/05	0.01	<0.0007	0.002 J	0.002 J			43.7		
MW-21	4/12/06	0.02	0.010	0.004	0.004			22.0		
MW-21	10/12/06	0.30	0.140	0.026	0.029			38.7		
MW-21	4/30/07	<0.0002	<0.0002	<0.0002	<0.0006			20.3	306	
MW-21	10/23/07	<0.0002	<0.0002	<0.0002	<0.0006			20.6		
MW-21	5/19/08	0.0018	<0.0002	0.0006 J	<0.0006			26.8		
MW-21	10/20/08	0.0098	0.0027	0.0002 J	<0.0006			22.3		
MW-21	4/21/09	0.031	0.0009 J	0.0022	0.0018 J			19.1		
MW-21	9/28/09									NS--construction
MW-21	4/5/10									NS--construction
MW-21	10/6/10	0.0007 J	<0.0002	<0.0002	<0.0006					
MW-21	4/21/11	<0.00020	0.0023	<0.00020	<0.00070	<0.020	<0.020	37.7		
MW-21	10/18/11									NS--Chevron Alarm
MW-21	4/24/12	<0.00100	0.00424	<0.00100	<0.00100	<1.50	<1.50	69.4		
MW-21	11/8/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	63.8		
MW-22	10/23/07	0.0005	<0.000	0.000	0.001			172		
MW-22	5/19/08	0.0008 J	<0.0002	0.0004 J	<0.0006			171		
MW-22	10/14/08	0.0021	0.003	0.0018	0.004			185		
MW-22	4/15/09	0.0003 J	<0.0002	<0.0002	<0.0006			353		
MW-22	9/28/09	0.0046	0.0023	0.0006 J	0.0007 J			249		

TABLE 2

CUMULATIVE SUMMARY OF ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
SECTION 36-T17S-R34E, LEA COUNTY, NM

Monitoring Well ID	*Sample Date*	*Benzene (mg/L)*	*Toluene (mg/L)*	*Ethylbenzene (mg/L)*	*Total Xylenes (mg/L)*	*TPH GRO*	*TPH DRO*	*Chloride (mg/L)*	*Total Dissolved Solids (mg/L)*	*Notes*
NMWQCC Remediation Standards (mg/L)		*0.01*	*0.75*	*0.75*	*0.62*			*250*	*1000*	
MW-22	4/5/10	0.0027	0.0002 J	<0.0002	<0.0006					
MW-22	10/5/10	0.012	<0.0002	<0.0002	0.0007 J					
MW-22	4/21/11	<0.00020	0.0028	<0.00020	<0.00070	<0.020	<0.020	544		
MW-22	10/18/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	396		
MW-22	4/25/12	<0.00100	0.00447	<0.00100	<0.00100	<1.50	<1.50	401		
MW-22	11/8/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	263		
MW-23	10/23/07	0.0002	<0.000	0.000	0.001			108		
MW-23	5/15/08	0.0041	<0.0002	0.0006 J	<0.0006			60.5		
MW-23	10/14/08	0.0027	0.0046	0.0009 J	0.0021 J			66.8		
MW-23	4/14/09	<0.0002	<0.0002	<0.0002	<0.0006			73.2		
MW-23	9/28/09	0.011	0.004	0.0009 J	0.001 J			107		
MW-23	4/5/10	<0.0002	0.0004 J	<0.0002	<0.0006					
MW-23	10/5/10	<0.0002	<0.0002	<0.0002	<0.0006					
MW-23	4/19/11	<0.00020	0.0034	<0.00020	<0.00070	<0.020	<0.020	75.5		
MW-23	10/18/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	110		
MW-23	4/25/12	<0.00100	0.00380	<0.00100	<0.00100	<1.50	<1.50	130		
MW-23	11/8/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	151		
MW-24	10/22/07	0.0026	<0.000	0.000	0.001			80.4		
MW-24	5/15/08	0.023	<0.0002	0.0007 J	<0.0006			28.8		
MW-24	10/15/08	0.002	0.0003 J	<0.0002	<0.003			33.4		
MW-24	4/16/09	0.079	0.0009 J	0.0028	0.0022 J			30		
MW-24	9/28/09	0.0067	0.0024	0.0006 J	0.0007 J			28.5		
MW-24	4/6/10	0.590	0.028	0.037	0.022					
MW-24	10/6/10	0.0030	<0.0002	<0.0002	<0.0006					
MW-24	4/20/11	<0.00020	0.0024	<0.00020	<0.00070	<0.020	<0.020	61.6		
MW-24	10/19/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	59.5		
MW-24	4/25/12	<0.00100	0.00302	<0.00100	<0.00100	<1.50	<1.50	87.4		
MW-24	11/9/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	89.6		

TABLE 2

CUMULATIVE SUMMARY OF ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
SECTION 36-T17S-R34E, LEA COUNTY, NM

Monitoring Well ID	*Sample Date*	*Benzene (mg/L)*	*Toluene (mg/L)*	*Ethylbenzene (mg/L)*	*Total Xylenes (mg/L)*	*TPH GRO*	*TPH DRO*	*Chloride (mg/L)*	*Total Dissolved Solids (mg/L)*	*Notes*
NMWQCC Remediation Standards (mg/L)		*0.01*	*0.75*	*0.75*	*0.62*			*250*	*1000*	
EW-1	10/4/10									NS--LNAPL
EW-1	4/18/11									NS--LNAPL
EW-1	10/18/11									NS--LNAPL
EW-1	4/23/12									NS--LNAPL
EW-1	11/5/12									NS--LNAPL
TW-11	4/5/10	0.0002	<0.000	0.000	0.001					
TW-11	10/5/10	<0.0002	<0.0002	<0.0002	<0.0006					
TW-11	4/19/11	<0.00020	0.0035	<0.00020	<0.00070	<0.020	<0.020	90.1		
TW-11	10/19/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	28.7		
TW-11	4/26/12	<0.00100	0.00296	<0.00100	<0.00100	<1.50	<1.50	30.4		
TW-11	11/6/2012	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	28.1		
TW-13	4/5/10	0.0002	<0.000	0.000	0.001					
TW-13	10/4/10	<0.0002	<0.0002	<0.0002	<0.0006					
TW-13	4/19/11	<0.00020	0.0036	<0.00020	<0.00070	<0.020	<0.020	94.8		
TW-13	10/18/11	0.0311	<0.00200	<0.00100	<0.00100	<1.50	1.69	90.2		
TW-13	4/26/12	<0.00100	0.00339	<0.00100	<0.00100	<1.50	<1.50	83.0		
TW-13	11/7/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	64.8		
TW-20	11/6/12	0.001	<0.002	0.001	0.001	1.500	1.500	53.5		
Dup-1 (MW-24)	4/16/09	0.077	<0.001	0.003	0.002			29.7		
Dup-2 (MW-3)	4/16/09	0.46	0.067	0.011	0.019			51.5		
Dup-100 (MW-18)	9/30/09	0.0096	0.0030	0.0007 J	0.0008 J			97.6		
Dup-200 (MW-4)	9/30/09	17.00	0.110	0.310	0.140 J			56.7		
Dup-100 (MW-12)	4/6/10	0.0005 J	<0.0002	<0.0002	<0.0006					
Dup-101 (MW-4)	4/6/10	25.000	0.500	0.460	0.220 J					
Dup-1 (MW-20)	10/6/10	0.0023	<0.0002	<0.0002	<0.0006					

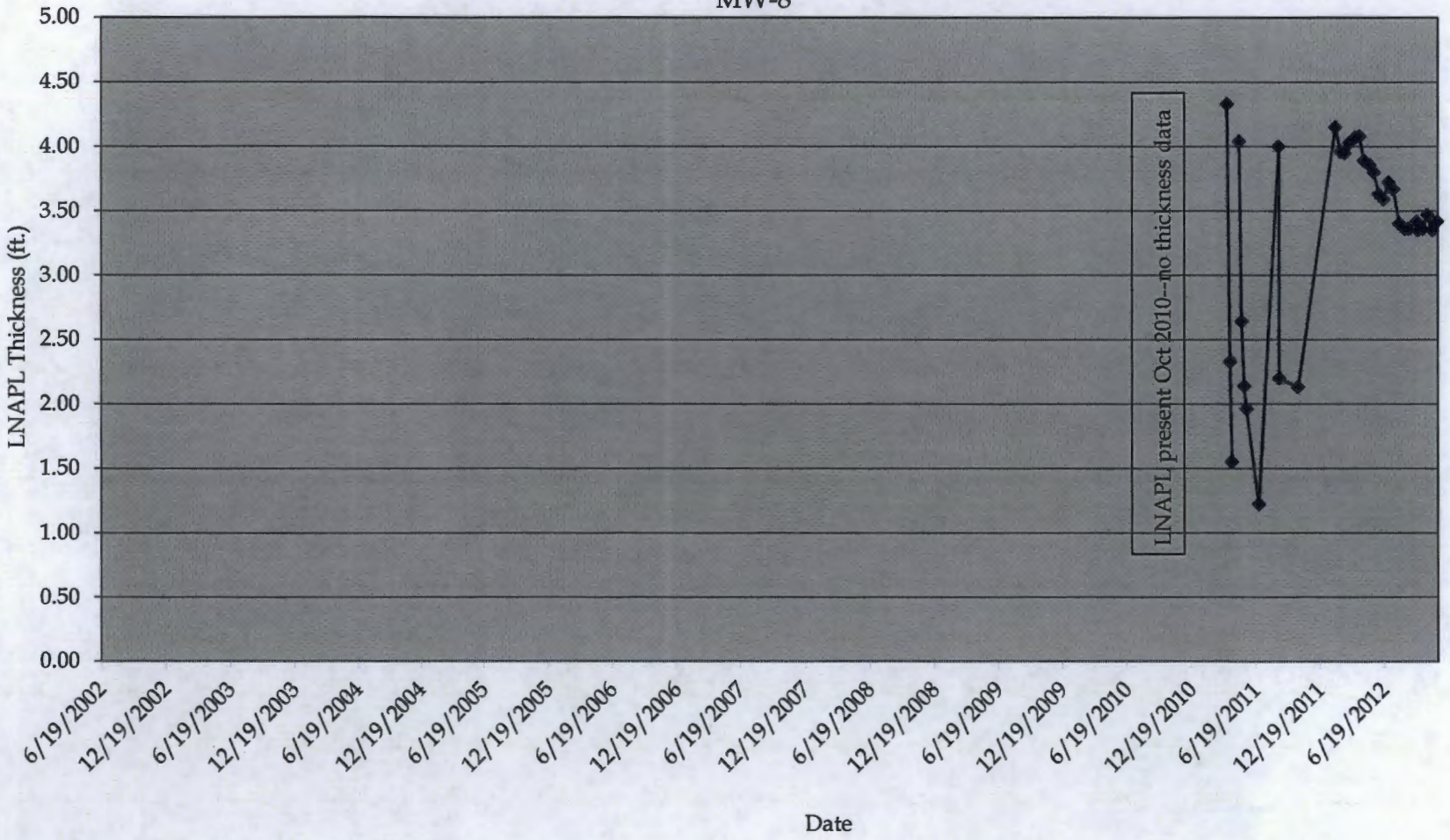
TABLE 2

CUMULATIVE SUMMARY OF ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
SECTION 36-T17S-R34E, LEA COUNTY, NM

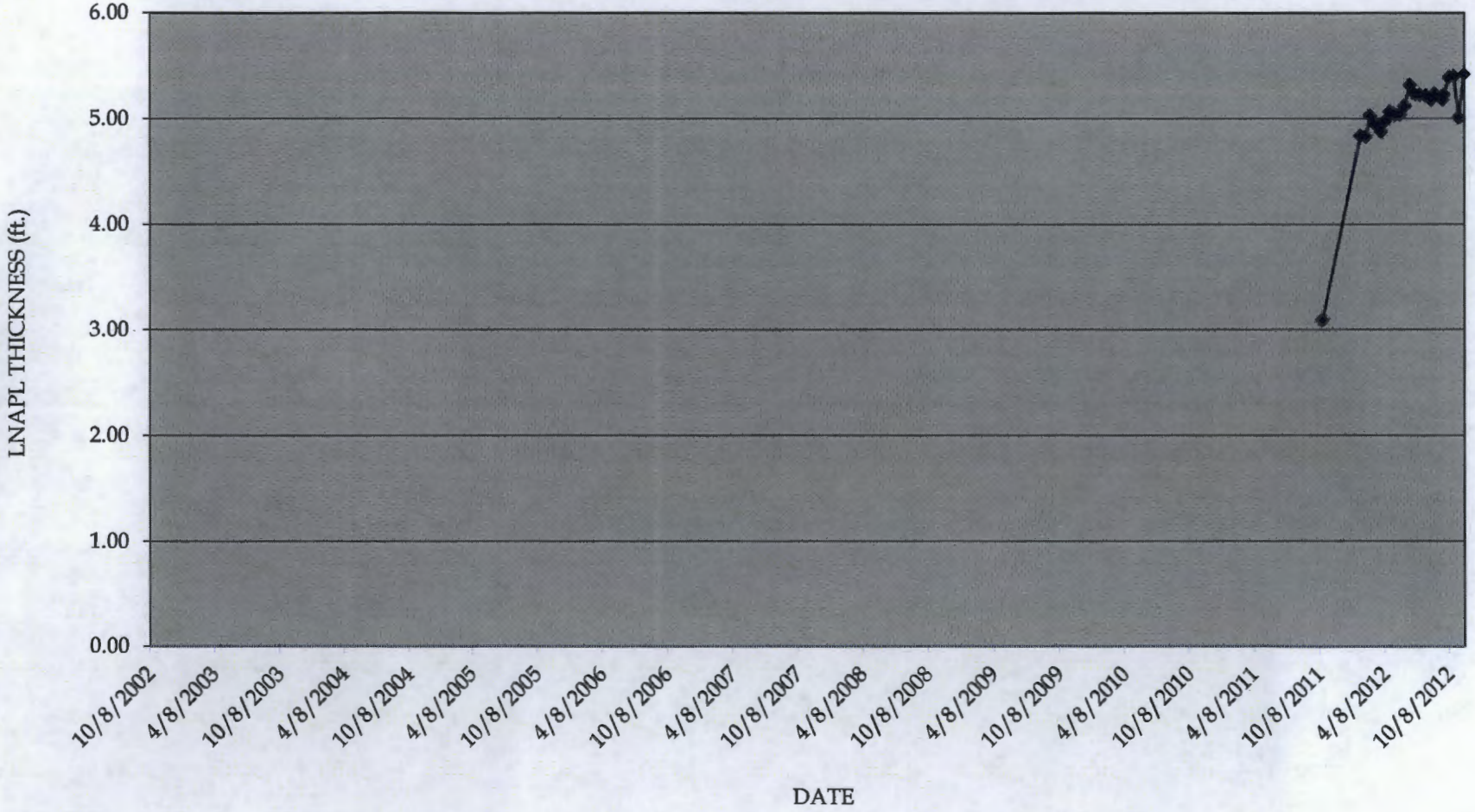
Monitoring Well ID	*Sample Date*	*Benzene (mg/L)*	*Toluene (mg/L)*	*Ethylbenzene (mg/L)*	*Total Xylenes (mg/L)*	*TPH GRO*	*TPH DRO*	*Chloride (mg/L)*	*Total Dissolved Solids (mg/L)*	*Notes*
NMWQCC Remediation Standards (mg/L)		***0.01***	***0.75***	***0.75***	***0.62***			***250***	***1000***	
Dup-2 (MW-1)	10/7/10	3.400	0.0032 J	0.0011 J	<0.0030					
DUP1 (MW-12)	4/19/11	<0.00020	0.0042	<0.00020	<0.00070	<0.020	<0.020	43.1		
DUP2 (MW-10)	4/20/11	<0.00020	0.0021	<0.00020	<0.00070	<0.020	<0.020	43.3		
Dup-1 (MW-16)	10/18/11	0.00105	<0.00200	<0.00100	<0.00100	<1.50	1.85	56.3		
Dup-2 (MW-4)	10/20/11	21.8	<0.0500	0.0750	0.0560	20.2	2.16	77.3		
Trip Blank	10/18/11	<0.00100	<0.00200	<0.00100	<0.00100					
Dup-04 (MW-20)	4/25/12	<0.00100	0.00445	<0.00100	<0.00100	<1.50	<1.50	16.5		
Trip Blank	4/25/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50			
Dup-2 (MW-4)	4/26/12	17.0	<0.500	<0.250	<0.250	15.7	<1.50	77.0		
Dup1 (TW-20)	11/6/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50			
Dup2 (TW-13)	11/7/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50			
Trip Blank	11/9/12	<0.00100	<0.00200	<0.00100	<0.00100					

NOTES:
1. NMWQCC - New Mexico Water Quality Control Commission
2. mg/L - milligrams per liter
3. NA - Not Analyzed
4. J - Reported as an estimate
5. Cells shaded yellow indicate that concentrations exceed NMWQCC standard.
6. LNAPL - light non-aqueous-phase liquid.
7. NS - Not sampled

Chevron Enviromental Management Company
Buckeye Compressor Station
Section 36-T17S-R34E, Lea County, NM
Thickness of Light Non-aqueous-phase Liquid (LNAPL)
MW-8

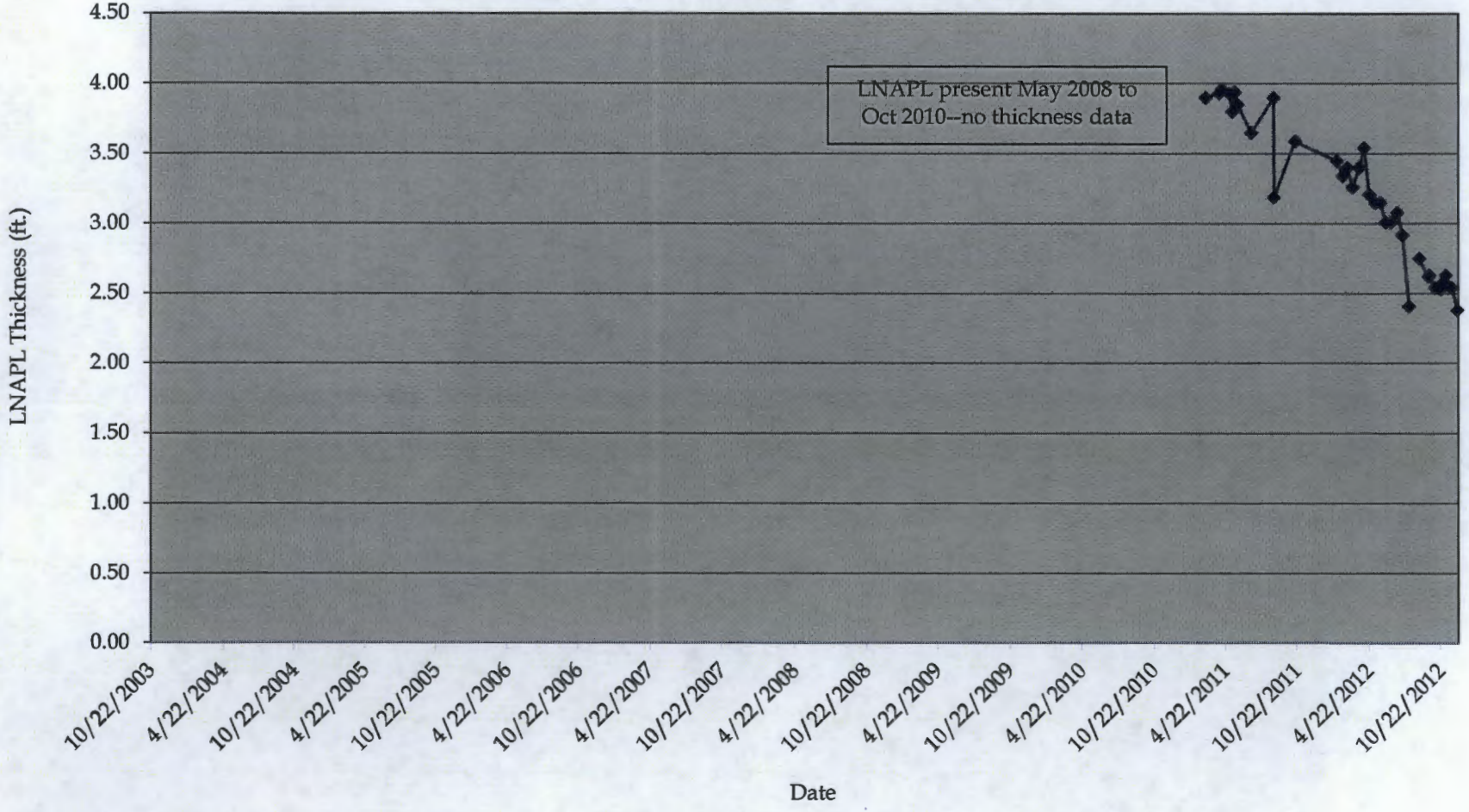


Chevron Enviromental Management Company
Buckeye Compressor Station
Section 36-T17S-R34E, Lea County, NM
Thickness of Light Non-aqueous-phase Liquid (LNAPL)
MW-9



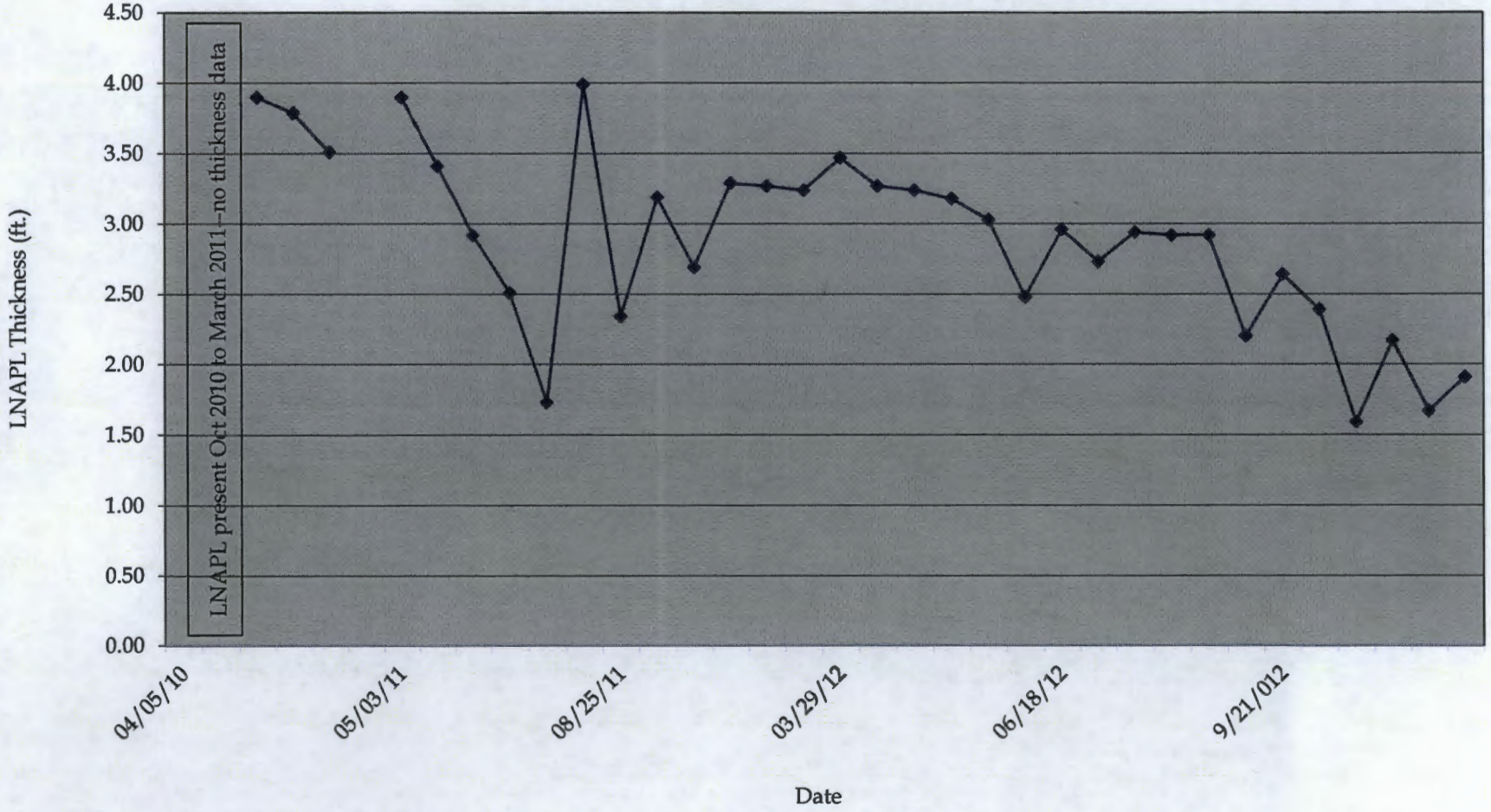
CRA 073014 (2)

Chevron Enviromental Management Company
Buckeye Compressor Station
Section 36-T17S-R34E, Lea County, NM
Thickness of Light Non-aqueous-phase Liquid (LNAPL)
MW-19



CRA 073014 (2)

Chevron Enviromental Management Company
Buckeye Compressor Station
Section 36-T17S-R34E, Lea County, NM
Thickness of Light Non-aqueous-phase Liquid (LNAPL)
EW-1



CRA 073014 (2)

Analytical Report 441253

for

Conestoga Rovers & Associates

Project Manager: John Schnable

Buckeye Compressor

073014-2012.2-01

04-MAY-12

Collected By: Client

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XENCO Laboratories

04-MAY-12

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

Reference: XENCO Report No: **441253**
Buckeye Compressor
Project Address: Buckeye, 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 441253. 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. 441253 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,

Nicholas Straccione
Project Manager

Sample Cross Reference 441253

Conestoga Rovers & Associates, Midland, TX

Buckeye Compressor

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-7	W	04-24-12 15:45		441253-001
MW-16	W	04-24-12 15:50		441253-002
MW-21	W	04-24-12 13:15		441253-003

CASE NARRATIVE

XENCO Laboratories

Client Name: Conestoga Rovers & Associates
Project Name: Buckeye Compressor

Project ID:	*073014-2012.2-01*	*Report Date:*	*04-MAY-12*
Work Order Number:	*441253*	*Date Received:*	*04/25/2012*

Sample receipt non conformances and comments:
None

Sample receipt non conformances and comments per sample:

None

Analytical non nonformances and comments:

Batch: LBA-886708 Inorganic Anions by EPA 300/300.1
E300

Batch 886708, Chloride recovered below QC limits in the Matrix Spike.
Samples affected are: 441253-002, -001, -003.
The Laboratory Control Sample for Chloride is within laboratory Control Limits

Batch: LBA-887205 TPH By SW8015 Mod
SW8015MOD_NM

Batch 887205, 1-Chlorooctane, o-Terphenyl recovered above QC limits . Matrix interferences is suspected; data not confirmed by re-analysis
Samples affected are: 441253-001 S.

Certificate of Analysis Summary 441253

Conestoga Rovers & Associates, Midland, TX

Project Name: Buckeye Compressor

Project Id: 073014-2012.2-01
Contact: John Schnable
Project Location: Buckeye, NM

Date Received in Lab: Wed Apr-25-12 09:02 am
Report Date: 04-MAY-12
Project Manager: Nicholas Straccione

Analysis Requested											
	Lab Id:	441253-001		441253-002		441253-003					
	Field Id:	MW-7		MW-16		MW-21					
	Depth:										
	Matrix:	WATER		WATER		WATER					
	Sampled:	Apr-24-12 15:45		Apr-24-12 15:50		Apr-24-12 13:15					
BTEX by EPA 8021B	*Extracted:*	Apr-26-12 08:34		Apr-26-12 08:34		Apr-26-12 08:34					
	Analyzed:	Apr-26-12 13:11		Apr-26-12 13:33		Apr-26-12 13:56					
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL				
Benzene		ND	0.00100	ND	0.00100	ND	0.00100				
Toluene		0.00405	0.00200	0.00333	0.00200	0.00424	0.00200				
Ethylbenzene		ND	0.00100	ND	0.00100	ND	0.00100				
m_p-Xylenes		ND	0.00200	ND	0.00200	ND	0.00200				
o-Xylene		ND	0.00100	ND	0.00100	ND	0.00100				
Total Xylenes		ND	0.00100	ND	0.00100	ND	0.00100				
Total BTEX		0.00405	0.00100	0.00333	0.00100	0.00424	0.00100				
Inorganic Anions by EPA 300/300.1 SUB: TX104704215	*Extracted:*	Apr-26-12 22:36		Apr-26-12 22:52		Apr-26-12 23:08					
	Analyzed:	Apr-26-12 22:36		Apr-26-12 22:52		Apr-26-12 23:08					
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL				
Chloride		20.8	0.500	84.1	0.500	69.4	0.500				
TPH By SW8015 Mod	*Extracted:*	May-01-12 14:30		May-01-12 14:30		May-01-12 14:30					
	Analyzed:	May-02-12 10:42		May-02-12 11:10		May-02-12 11:39					
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL				
TPH_GRO		ND	1.50	ND	1.50	ND	1.50				
TPH_DRO		ND	1.50	ND	1.50	ND	1.50				

Nicholas Straccione
Project Manager

XENCO Laboratories

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 quantiation 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.

* Surrogate recovered outside laboratory control limit.

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

\+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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3725 E. Atlanta Ave, Phoenix, AZ 85040	(602) 437-0330	

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Buckeye Compressor

Work Orders : 441253,

Project ID: 073014-2012.2-01

Lab Batch #: 886621 **Sample:** 441253-001 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/26/12 13:11

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0275	0.0300	92	80-120	
4-Bromofluorobenzene	0.0243	0.0300	81	80-120	

Lab Batch #: 886621 **Sample:** 441253-002 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/26/12 13:33

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0261	0.0300	87	80-120	
4-Bromofluorobenzene	0.0247	0.0300	82	80-120	

Lab Batch #: 886621 **Sample:** 441253-003 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/26/12 13:56

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0264	0.0300	88	80-120	
4-Bromofluorobenzene	0.0253	0.0300	84	80-120	

Lab Batch #: 887205 **Sample:** 441253-001 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/02/12 10:42

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	9.81	10.0	98	70-135	
o-Terphenyl	5.49	5.00	110	70-135	

Lab Batch #: 887205 **Sample:** 441253-002 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/02/12 11:10

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	8.01	10.0	80	70-135	
o-Terphenyl	4.49	5.00	90	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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Buckeye Compressor

Work Orders : 441253,

Project ID: 073014-2012.2-01

Lab Batch #: 887205 **Sample:** 441253-003 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/02/12 11:39

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	8.12	10.0	81	70-135	
o-Terphenyl	4.52	5.00	90	70-135	

Lab Batch #: 886621 **Sample:** 621069-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/26/12 11:42

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0269	0.0300	90	80-120	
4-Bromofluorobenzene	0.0254	0.0300	85	80-120	

Lab Batch #: 887205 **Sample:** 621400-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/02/12 09:46

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	10.1	10.0	101	70-135	
o-Terphenyl	5.68	5.00	114	70-135	

Lab Batch #: 886621 **Sample:** 621069-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/26/12 09:32

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0293	0.0300	98	80-120	
4-Bromofluorobenzene	0.0276	0.0300	92	80-120	

Lab Batch #: 887205 **Sample:** 621400-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/02/12 08:51

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	11.7	10.0	117	70-135	
o-Terphenyl	5.99	5.00	120	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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Buckeye Compressor

Work Orders : 441253,

Project ID: 073014-2012.2-01

Lab Batch #: 886621 **Sample:** 621069-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/26/12 09:55

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0291	0.0300	97	80-120	
4-Bromofluorobenzene	0.0274	0.0300	91	80-120	

Lab Batch #: 887205 **Sample:** 621400-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/02/12 09:18

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	12.2	10.0	122	70-135	
o-Terphenyl	6.21	5.00	124	70-135	

Lab Batch #: 886621 **Sample:** 441253-001 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/26/12 14:18

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0292	0.0300	97	80-120	
4-Bromofluorobenzene	0.0289	0.0300	96	80-120	

Lab Batch #: 887205 **Sample:** 441253-001 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/03/12 03:24

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	15.2	10.0	152	70-135	*
o-Terphenyl	7.91	5.00	158	70-135	*

Lab Batch #: 886621 **Sample:** 441253-001 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/26/12 14:40

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0290	0.0300	97	80-120	
4-Bromofluorobenzene	0.0283	0.0300	94	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.

BS / BSD Recoveries

Project Name: Buckeye Compressor

Work Order #: 441253 **Project ID:** 073014-2012.2-01

Analyst: SMG **Date Prepared:** 04/26/2012 **Date Analyzed:** 04/26/2012

Lab Batch ID: 886621 **Sample:** 621069-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B Analytes	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
	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
Benzene	<0.00100	0.100	0.0943	94	0.100	0.0949	95	1	70-125	25	
Toluene	<0.00200	0.100	0.0932	93	0.100	0.0939	94	1	70-125	25	
Ethylbenzene	<0.00100	0.100	0.0893	89	0.100	0.0904	90	1	71-129	25	
m_p-Xylenes	<0.00200	0.200	0.181	91	0.200	0.183	92	1	70-131	25	
o-Xylene	<0.00100	0.100	0.0932	93	0.100	0.0937	94	1	71-133	25	

Analyst: KKO **Date Prepared:** 04/26/2012 **Date Analyzed:** 04/26/2012

Lab Batch ID: 886708 **Sample:** 621112-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

Inorganic Anions by EPA 300/300.1 Analytes	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
	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
Chloride	<0.500	50.0	50.6	101	50.0	50.7	101	0	80-120	20	

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

BS / BSD Recoveries

Project Name: Buckeye Compressor

Work Order #: 441253 **Project ID:** 073014-2012.2-01

Analyst: ASA **Date Prepared:** 05/01/2012 **Date Analyzed:** 05/02/2012

Lab Batch ID: 887205 **Sample:** 621400-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	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
TPH_GRO	<1.50	100	77.9	78	100	80.5	81	3	70-135	25	
TPH_DRO	<1.50	100	101	101	100	106	106	5	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

XENCO Laboratories

Form 3 - MS Recoveries

Project Name: Buckeye Compressor

Work Order #: 441253

Lab Batch #: 886708 **Project ID:** 073014-2012.2-01

Date Analyzed: 04/26/2012 **Date Prepared:** 04/26/2012 **Analyst:** KKO

QC- Sample ID: 441253-003 S **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

Inorganic Anions by EPA 300	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	69.4	50.0	108	77	80-120	X

Lab Batch #: 886708

Date Analyzed: 04/26/2012 **Date Prepared:** 04/26/2012 **Analyst:** KKO

QC- Sample ID: 441264-008 S **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

Inorganic Anions by EPA 300	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	30.7	50.0	75.4	89	80-120	

Lab Batch #: 887205

Date Analyzed: 05/03/2012 **Date Prepared:** 05/01/2012 **Analyst:** ASA

QC- Sample ID: 441253-001 S **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

TPH by SW8015 Mod	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
TPH_GRO	<1.50	100	91.0	91	70-135	
TPH_DRO	<1.50	100	117	117	70-135	

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

BRL - Below Reporting Limit

XENCO Laboratories

Form 3 - MS / MSD Recoveries

Project Name: Buckeye Compressor

Work Order # : 441253 **Project ID:** 073014-2012.2-01

Lab Batch ID: 886621 **QC- Sample ID:** 441253-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04/26/2012 **Date Prepared:** 04/26/2012 **Analyst:** SMG

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	0.0875	88	0.100	0.0823	82	6	70-125	25	
Toluene	0.00405	0.100	0.0890	85	0.100	0.0839	80	6	70-125	25	
Ethylbenzene	<0.00100	0.100	0.0816	82	0.100	0.0783	78	4	71-129	25	
m_p-Xylenes	<0.00200	0.200	0.164	82	0.200	0.157	79	4	70-131	25	
o-Xylene	<0.00100	0.100	0.0869	87	0.100	0.0818	82	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

CONESTOGA-ROVERS & ASSOCIATES

CHAIN OF CUSTODY RECORD

COC NO.: 32456

PAGE 1 OF 1

Address: 2135 S. Loop 250 W.

Phone: 432-686-0086 Fax: 686-0186

441253

(See Reverse Side for Instructions)

Project No/ Phase/Task Code: 073014-2012.2-01	**Laboratory Name:** Xenco	**Lab Location:**	**SSOW ID:**
Project Name: Buckeye Compressor	**Lab Contact:**	**Lab Quote No:**	**Cooler No:**
Project Location: Buckeye, NM			**Carrier:**
Chemistry Contact: John Schnable			**Airbill No:**
Sampler(s): Brice Haynes Joe Mireles			**Date Shipped:**

Item	Sample Identification (Containers for each sample may be combined on one line)	Date (mm/dd/yy)	Time (hh:mm)	Sample Type: Matrix Code (see back of COC)	Sample Type: Grab (G) or Comp (C)	Container Quantity & Preservation: Unpreserved	HCl	HNO_3	H_2SO_4	NaOH	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other: ICE	Total Containers/Sample	Analysis Requested: BTEX SW 8021B	TPH TX1005 SW 8015B	Chlorides EPA 300	MS/MSD Request	Comments/ Special Instructions:
1	MW-7-042412	042412	1545	WG	G	X	X						X	5	2	2	1		
2	MW-16-042412	042412	1550	WG	G	X	X						X	5	2	2	1		
3	MW-21-042412	042412	1315	WG	G	X	X						X	5	2	2	1		
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			

TAT Required in business days (use separate COCs for different TATs):

☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☐ 2 Week ☒ Other: STD.

Total Number of Containers: 15

All Samples in Cooler must be on COC

Notes/ Special Requirements: temp Rec'd 4.0°C

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1. Joe Mireles	CRA	4-25-12	0902	1. Bill Rehman	Xenco	4-25-12	09:02
2.				2.			
3.				3.			

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT – ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE – Fully Executed Copy (CRA) YELLOW – Receiving Laboratory Copy PINK – Shipper GOLDENROD – Sampling Crew

CRA Form: COC-10B (20110804)

Prelogin / Nonconformance Report - Sample Log-In

Client: CPT

Date/Time: 4.25.12 0702

Lab ID # : 441253

Initials: WR / NE

Sample Receipt Checklist

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

18. Cooler 1 No.		Cooler 2 No.		Cooler 3 No.		Cooler 4 No.		Cooler 5 No.	
lbs	4.0 °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

Analytical Report 441365

for

Conestoga Rovers & Associates

Project Manager: John Schnable

Buckeye Compressor

073014 / 2012-2 /1

07-MAY-12

Collected By: Client

XENCO Laboratories

Celebrating 20 Years of commitment to excellence in Environmental Testing Services

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 (AALI1), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Lakeland: Florida (E84098)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
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)

07-MAY-12

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

Reference: XENCO Report No: **441365**
Buckeye Compressor
Project Address: Buckeye, 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 441365. 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. 441365 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,

Nicholas Straccione
Project Manager

XENCO Laboratories

Sample Cross Reference 441365

Conestoga Rovers & Associates, Midland, TX

Buckeye Compressor

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-5	W	04-25-12 16:40		441365-001
MW-10	W	04-25-12 12:45		441365-002
MW-12	W	04-25-12 14:25		441365-003
MW-15	W	04-25-12 15:30		441365-004
MW-18	W	04-25-12 11:20		441365-005
MW-20	W	04-25-12 12:25		441365-006
MW-22	W	04-25-12 13:55		441365-007
MW-23	W	04-25-12 14:55		441365-008
MW-24	W	04-25-12 16:30		441365-009
Dup-04	W	04-25-12 00:00		441365-010
Trip	W	04-25-12 00:00		441365-011

CASE NARRATIVE

XENCO Laboratories

Client Name: Conestoga Rovers & Associates
Project Name: Buckeye Compressor

Project ID: 073014 / 2012-2 /1
Work Order Number: 441365

Report Date: 07-MAY-12
Date Received: 04/26/2012

Sample receipt non conformances and comments:
None

Sample receipt non conformances and comments per sample:

None

Analytical non nonformances and comments:

Batch: LBA-886790 Inorganic Anions by EPA 300/300.1
E300

Batch 886790, Chloride recovered below QC limitsSulfate recovered below QC limits in the Matrix Spike.
Samples affected are: 441365-008, -003, -002, -009, -010, -006, -007, -005, -001, -004.
The Laboratory Control Sample for Chloride , Sulfate is within laboratory Control Limits

Batch: LBA-886893 BTEX by EPA 8021B
SW8021BM

Batch 886893, 4-Bromofluorobenzene recovered below QC limits . Matrix interferences is suspected; data not confirmed by re-analysis
Samples affected are: 441365-005.

Batch: LBA-887205 TPH By SW8015 Mod
SW8015MOD_NM

Batch 887205, 1-Chlorooctane, o-Terphenyl recovered above QC limits . Matrix interferences is suspected; data confirmed by re-analysis
Samples affected are: 441253-001 S.

Batch: LBA-887207 TPH By SW8015 Mod
SW8015MOD_NM

Batch 887207, 1-Chlorooctane, o-Terphenyl recovered above QC limits . Matrix interferences is suspected; data not confirmed by re-analysis
Samples affected are: 441365-010 S.

Certificate of Analysis Summary 441365

Conestoga Rovers & Associates, Midland, TX

Project Name: Buckeye Compressor

Project Id: 073014 / 2012-2 /1
Contact: John Schnable
Project Location: Buckeye, NM

Date Received in Lab: Thu Apr-26-12 09:50 am
Report Date: 07-MAY-12
Project Manager: Nicholas Straccione

Analysis Requested													
	Lab Id:	441365-001		441365-002		441365-003		441365-004		441365-005		441365-006	
	Field Id:	MW-5		MW-10		MW-12		MW-15		MW-18		MW-20	
	Depth:												
	Matrix:	WATER		WATER		WATER		WATER		WATER		WATER	
	Sampled:	Apr-25-12 16:40		Apr-25-12 12:45		Apr-25-12 14:25		Apr-25-12 15:30		Apr-25-12 11:20		Apr-25-12 12:25	
BTEX by EPA 8021B	***Extracted:***	Apr-30-12 16:00		Apr-30-12 16:00		Apr-30-12 16:00		Apr-30-12 16:00		Apr-30-12 16:00		Apr-30-12 16:00	
	Analyzed:	May-01-12 01:05		May-01-12 01:27		May-01-12 01:49		May-01-12 02:11		May-01-12 02:34		May-01-12 02:57	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Benzene		0.0335	0.00100	ND	0.00100	ND	0.00100	ND	0.00100	ND	0.00100	ND	0.00100
Toluene		ND	0.00200	0.00311	0.00200	ND	0.00200	ND	0.00200	0.00310	0.00200	0.00452	0.00200
Ethylbenzene		ND	0.00100	ND	0.00100	ND	0.00100	ND	0.00100	ND	0.00100	ND	0.00100
m_p-Xylenes		ND	0.00200	ND	0.00200	ND	0.00200	ND	0.00200	ND	0.00200	ND	0.00200
o-Xylene		ND	0.00100	ND	0.00100	ND	0.00100	ND	0.00100	ND	0.00100	ND	0.00100
Total Xylenes		ND	0.00100	ND	0.00100	ND	0.00100	ND	0.00100	ND	0.00100	ND	0.00100
Total BTEX		0.0335	0.00100	0.00311	0.00100	ND	0.00100	ND	0.00100	0.00310	0.00100	0.00452	0.00100
Inorganic Anions by EPA 300/300.1 SUB: TX104704215	***Extracted:***	Apr-27-12 20:45		Apr-27-12 21:01		Apr-27-12 21:17		Apr-27-12 21:33		Apr-27-12 21:49		Apr-27-12 22:05	
	Analyzed:	Apr-27-12 20:45		Apr-27-12 21:01		Apr-27-12 21:17		Apr-27-12 21:33		Apr-27-12 21:49		Apr-27-12 22:05	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Bromide		0.650	0.200	0.728	0.200	0.734	0.200	0.784	0.200	1.34	0.200	0.648	0.200
Chloride		29.3	0.500	37.5	0.500	45.1	0.500	78.1	0.500	105	0.500	16.5	0.500
Fluoride		0.488	0.200	0.491	0.200	0.851	0.200	0.328	0.200	0.375	0.200	0.481	0.200
Sulfate		35.5	0.500	43.1	0.500	30.7	0.500	44.7	0.500	82.3	0.500	28.7	0.500
TPH By SW8015 Mod	***Extracted:***	May-04-12 15:00		May-04-12 15:00		May-04-12 15:00		May-01-12 14:30		May-01-12 14:30		May-01-12 14:30	
	Analyzed:	May-05-12 18:04		May-05-12 18:31		May-05-12 18:58		May-03-12 00:38		May-03-12 01:05		May-03-12 01:34	
	Units/RL:	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

Nicholas Straccione
Project Manager

Certificate of Analysis Summary 441365

Conestoga Rovers & Associates, Midland, TX

Project Name: Buckeye Compressor

Project Id: 073014 / 2012-2 /1
Contact: John Schnable
Project Location: Buckeye, NM

Date Received in Lab: Thu Apr-26-12 09:50 am
Report Date: 07-MAY-12
Project Manager: Nicholas Straccione

Analysis Requested																					
	Lab Id:	441365-007				441365-008				441365-009				441365-010				441365-011			
	Field Id:	MW-22				MW-23				MW-24				Dup-04				Trip			
	Depth:																				
	Matrix:	WATER				WATER				WATER				WATER				WATER			
	Sampled:	Apr-25-12 13:55				Apr-25-12 14:55				Apr-25-12 16:30				Apr-25-12 00:00				Apr-25-12 00:00			
BTEX by EPA 8021B	*Extracted:*	Apr-30-12 16:00				Apr-30-12 16:00				Apr-30-12 16:00				Apr-30-12 16:00				Apr-30-12 16:00			
	Analyzed:	May-01-12 03:19				May-01-12 03:41				May-01-12 04:03				May-01-12 04:25				May-01-12 06:17			
	Units/RL:	mg/L	RL			mg/L	RL			mg/L	RL			mg/L	RL			mg/L	RL		
Benzene		ND	0.00100			ND	0.00100			ND	0.00100			ND	0.00100			ND	0.00100		
Toluene		0.00447	0.00200			0.00380	0.00200			0.00302	0.00200			0.00445	0.00200			ND	0.00200		
Ethylbenzene		ND	0.00100			ND	0.00100			ND	0.00100			ND	0.00100			ND	0.00100		
m_p-Xylenes		ND	0.00200			ND	0.00200			ND	0.00200			ND	0.00200			ND	0.00200		
o-Xylene		ND	0.00100			ND	0.00100			ND	0.00100			ND	0.00100			ND	0.00100		
Total Xylenes		ND	0.00100			ND	0.00100			ND	0.00100			ND	0.00100			ND	0.00100		
Total BTEX		0.00447	0.00100			0.00380	0.00100			0.00302	0.00100			0.00445	0.00100			ND	0.00100		
Inorganic Anions by EPA 300/300.1 SUB: TX104704215	*Extracted:*	Apr-27-12 22:53				Apr-27-12 23:09				Apr-27-12 23:26				Apr-27-12 23:42							
	Analyzed:	Apr-27-12 22:53				Apr-27-12 23:09				Apr-27-12 23:26				Apr-27-12 23:42							
	Units/RL:	mg/L	RL			mg/L	RL			mg/L	RL			mg/L	RL						
Bromide		4.77	2.00			1.55	0.200			1.04	0.200			0.865	0.200						
Chloride		401	5.00			130	0.500			87.4	0.500			16.5	0.500						
Fluoride		ND	2.00			0.405	0.200			0.813	0.200			0.479	0.200						
Sulfate		69.9	5.00			23.3	0.500			24.8	0.500			29.0	0.500						
TPH By SW8015 Mod	*Extracted:*	May-01-12 14:30				May-01-12 14:30				May-01-12 14:30				May-01-12 15:30				May-01-12 15:30			
	Analyzed:	May-03-12 02:01				May-03-12 02:29				May-03-12 02:57				May-03-12 07:05				May-03-12 07:33			
	Units/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		
TPH_DRO		ND	1.50			ND	1.50			ND	1.50			ND	1.50			ND	1.50		

Nicholas Straccione
Project Manager

XENCO Laboratories

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 quantiation 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.

* Surrogate recovered outside laboratory control limit.

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

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Buckeye Compressor

Work Orders : 441365,

Project ID: 073014 / 2012-2 /1

Lab Batch #: 886893 **Sample:** 441365-001 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/01/12 01:05

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0269	0.0300	90	80-120	
4-Bromofluorobenzene	0.0252	0.0300	84	80-120	

Lab Batch #: 886893 **Sample:** 441365-002 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/01/12 01:27

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0268	0.0300	89	80-120	
4-Bromofluorobenzene	0.0242	0.0300	81	80-120	

Lab Batch #: 886893 **Sample:** 441365-003 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/01/12 01:49

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0270	0.0300	90	80-120	
4-Bromofluorobenzene	0.0246	0.0300	82	80-120	

Lab Batch #: 886893 **Sample:** 441365-004 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/01/12 02:11

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0268	0.0300	89	80-120	
4-Bromofluorobenzene	0.0248	0.0300	83	80-120	

Lab Batch #: 886893 **Sample:** 441365-005 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/01/12 02:34

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0268	0.0300	89	80-120	
4-Bromofluorobenzene	0.0217	0.0300	72	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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Buckeye Compressor

Work Orders : 441365,

Project ID: 073014 / 2012-2 /1

Lab Batch #: 886893 **Sample:** 441365-006 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/01/12 02:57

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0265	0.0300	88	80-120	
4-Bromofluorobenzene	0.0244	0.0300	81	80-120	

Lab Batch #: 886893 **Sample:** 441365-007 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/01/12 03:19

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0269	0.0300	90	80-120	
4-Bromofluorobenzene	0.0244	0.0300	81	80-120	

Lab Batch #: 886893 **Sample:** 441365-008 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/01/12 03:41

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0282	0.0300	94	80-120	
4-Bromofluorobenzene	0.0242	0.0300	81	80-120	

Lab Batch #: 886893 **Sample:** 441365-009 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/01/12 04:03

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0270	0.0300	90	80-120	
4-Bromofluorobenzene	0.0242	0.0300	81	80-120	

Lab Batch #: 886893 **Sample:** 441365-010 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/01/12 04:25

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0272	0.0300	91	80-120	
4-Bromofluorobenzene	0.0253	0.0300	84	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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Buckeye Compressor

Work Orders : 441365, **Project ID:** 073014 / 2012-2 /1

Lab Batch #: 886893 **Sample:** 441365-011 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/01/12 06:17

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0260	0.0300	87	80-120	
4-Bromofluorobenzene	0.0240	0.0300	80	80-120	

Lab Batch #: 887205 **Sample:** 441365-004 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/03/12 00:38

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	9.58	10.0	96	70-135	
o-Terphenyl	5.49	5.00	110	70-135	

Lab Batch #: 887205 **Sample:** 441365-005 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/03/12 01:05

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	10.2	10.0	102	70-135	
o-Terphenyl	5.70	5.00	114	70-135	

Lab Batch #: 887205 **Sample:** 441365-006 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/03/12 01:34

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	11.1	10.0	111	70-135	
o-Terphenyl	6.22	5.00	124	70-135	

Lab Batch #: 887205 **Sample:** 441365-007 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/03/12 02:01

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	11.6	10.0	116	70-135	
o-Terphenyl	6.56	5.00	131	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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Buckeye Compressor

Work Orders : 441365,

Project ID: 073014 / 2012-2 /1

Lab Batch #: 887205 **Sample:** 441365-008 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/03/12 02:29

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	11.4	10.0	114	70-135	
o-Terphenyl	6.41	5.00	128	70-135	

Lab Batch #: 887205 **Sample:** 441365-009 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/03/12 02:57

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	10.9	10.0	109	70-135	
o-Terphenyl	6.11	5.00	122	70-135	

Lab Batch #: 887207 **Sample:** 441365-010 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/03/12 07:05

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	10.8	10.0	108	70-135	
o-Terphenyl	6.11	5.00	122	70-135	

Lab Batch #: 887207 **Sample:** 441365-011 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/03/12 07:33

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	11.2	10.0	112	70-135	
o-Terphenyl	6.30	5.00	126	70-135	

Lab Batch #: 887271 **Sample:** 441365-001 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/05/12 18:04

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	9.11	10.0	91	70-135	
o-Terphenyl	5.09	5.00	102	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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Buckeye Compressor

Work Orders : 441365,

Project ID: 073014 / 2012-2 /1

Lab Batch #: 887271 **Sample:** 441365-002 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/05/12 18:31

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	8.70	10.0	87	70-135	
o-Terphenyl	4.82	5.00	96	70-135	

Lab Batch #: 887271 **Sample:** 441365-003 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/05/12 18:58

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	9.18	10.0	92	70-135	
o-Terphenyl	5.11	5.00	102	70-135	

Lab Batch #: 886893 **Sample:** 621228-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/01/12 00:42

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0260	0.0300	87	80-120	
4-Bromofluorobenzene	0.0247	0.0300	82	80-120	

Lab Batch #: 887205 **Sample:** 621400-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/02/12 09:46

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	10.1	10.0	101	70-135	
o-Terphenyl	5.68	5.00	114	70-135	

Lab Batch #: 887207 **Sample:** 621424-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/03/12 06:38

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	9.71	10.0	97	70-135	
o-Terphenyl	5.44	5.00	109	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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Buckeye Compressor

Work Orders : 441365, **Project ID:** 073014 / 2012-2 /1

Lab Batch #: 887271 **Sample:** 621469-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/05/12 10:06

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	9.61	10.0	96	70-135	
o-Terphenyl	5.34	5.00	107	70-135	

Lab Batch #: 886893 **Sample:** 621228-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/30/12 23:13

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0281	0.0300	94	80-120	
4-Bromofluorobenzene	0.0284	0.0300	95	80-120	

Lab Batch #: 887205 **Sample:** 621400-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/02/12 08:51

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	11.7	10.0	117	70-135	
o-Terphenyl	5.99	5.00	120	70-135	

Lab Batch #: 887207 **Sample:** 621424-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/03/12 05:43

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	9.18	10.0	92	70-135	
o-Terphenyl	4.99	5.00	100	70-135	

Lab Batch #: 887271 **Sample:** 621469-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/05/12 09:11

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	9.43	10.0	94	70-135	
o-Terphenyl	5.58	5.00	112	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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Buckeye Compressor

Work Orders : 441365, **Project ID:** 073014 / 2012-2 /1

Lab Batch #: 886893 **Sample:** 621228-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/30/12 23:35

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0281	0.0300	94	80-120	
4-Bromofluorobenzene	0.0289	0.0300	96	80-120	

Lab Batch #: 887205 **Sample:** 621400-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/02/12 09:18

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	12.2	10.0	122	70-135	
o-Terphenyl	6.21	5.00	124	70-135	

Lab Batch #: 887207 **Sample:** 621424-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/03/12 06:09

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	9.90	10.0	99	70-135	
o-Terphenyl	5.20	5.00	104	70-135	

Lab Batch #: 887271 **Sample:** 621469-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/05/12 09:39

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	9.40	10.0	94	70-135	
o-Terphenyl	5.59	5.00	112	70-135	

Lab Batch #: 886893 **Sample:** 441376-001 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/01/12 04:48

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0296	0.0300	99	80-120	
4-Bromofluorobenzene	0.0311	0.0300	104	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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Buckeye Compressor

Work Orders : 441365,

Project ID: 073014 / 2012-2 /1

Lab Batch #: 887205 **Sample:** 441253-001 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/03/12 03:24

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	15.2	10.0	152	70-135	*
o-Terphenyl	7.91	5.00	158	70-135	*

Lab Batch #: 887207 **Sample:** 441365-010 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/03/12 08:29

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	14.1	10.0	141	70-135	*
o-Terphenyl	8.42	5.00	168	70-135	*

Lab Batch #: 887271 **Sample:** 441533-010 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/05/12 19:27

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	11.9	10.0	119	70-135	
o-Terphenyl	6.04	5.00	121	70-135	

Lab Batch #: 886893 **Sample:** 441376-001 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/01/12 05:10

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0291	0.0300	97	80-120	
4-Bromofluorobenzene	0.0284	0.0300	95	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.

BS / BSD Recoveries

Project Name: Buckeye Compressor

Work Order #: 441365 **Project ID:** 073014 / 2012-2 /1

Analyst: SMG **Date Prepared:** 04/30/2012 **Date Analyzed:** 04/30/2012

Lab Batch ID: 886893 **Sample:** 621228-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	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
Benzene	<0.00100	0.100	0.102	102	0.100	0.0992	99	3	70-125	25	
Toluene	<0.00200	0.100	0.103	103	0.100	0.0995	100	3	70-125	25	
Ethylbenzene	<0.00100	0.100	0.102	102	0.100	0.0986	99	3	71-129	25	
m_p-Xylenes	<0.00200	0.200	0.208	104	0.200	0.202	101	3	70-131	25	
o-Xylene	<0.00100	0.100	0.103	103	0.100	0.101	101	2	71-133	25	

Analyst: TTE **Date Prepared:** 04/27/2012 **Date Analyzed:** 04/27/2012

Lab Batch ID: 886790 **Sample:** 621168-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	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
Bromide	<0.200	10.0	9.60	96	10.0	9.60	96	0	80-120	20	
Chloride	<0.500	50.0	50.9	102	50.0	50.8	102	0	80-120	20	
Fluoride	<0.200	2.00	2.11	106	2.00	1.95	98	8	80-120	20	
Sulfate	<0.500	50.0	51.2	102	50.0	51.2	102	0	80-120	20	

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

BS / BSD Recoveries

Project Name: Buckeye Compressor

Work Order #: 441365 **Project ID:** 073014 / 2012-2 /1

Analyst: ASA **Date Prepared:** 05/01/2012 **Date Analyzed:** 05/02/2012

Lab Batch ID: 887205 **Sample:** 621400-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	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
TPH_GRO	<1.50	100	77.9	78	100	80.5	81	3	70-135	25	
TPH_DRO	<1.50	100	101	101	100	106	106	5	70-135	25	

Analyst: ASA **Date Prepared:** 05/01/2012 **Date Analyzed:** 05/03/2012

Lab Batch ID: 887207 **Sample:** 621424-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	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
TPH_GRO	<1.50	100	75.9	76	100	81.4	81	7	70-135	25	
TPH_DRO	<1.50	100	95.5	96	100	104	104	9	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

BS / BSD Recoveries

Project Name: Buckeye Compressor

Work Order #: 441365 **Project ID:** 073014 / 2012-2 /1

Analyst: ASA **Date Prepared:** 05/04/2012 **Date Analyzed:** 05/05/2012

Lab Batch ID: 887271 **Sample:** 621469-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	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
TPH_GRO	<1.50	100	78.4	78	100	79.1	79	1	70-135	25	
TPH_DRO	<1.50	100	99.0	99	100	101	101	2	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

XENCO Laboratories

Form 3 - MS Recoveries

Project Name: Buckeye Compressor

Work Order #: 441365

Lab Batch #: 886790 **Project ID:** 073014 / 2012-2 /1

Date Analyzed: 04/27/2012 **Date Prepared:** 04/27/2012 **Analyst:** TTE

QC- Sample ID: 441352-008 S **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

Inorganic Anions by EPA 300 Analytes	MATRIX / MATRIX SPIKE RECOVERY STUDY					
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Bromide	0.913	10.0	11.0	101	80-120	
Chloride	132	50.0	156	48	80-120	X
Fluoride	0.738	2.00	2.66	96	80-120	
Sulfate	29.9	50.0	75.6	91	80-120	

Lab Batch #: 886790

Date Analyzed: 04/28/2012 **Date Prepared:** 04/28/2012 **Analyst:** TTE

QC- Sample ID: 441369-001 S **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

Inorganic Anions by EPA 300 Analytes	MATRIX / MATRIX SPIKE RECOVERY STUDY					
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Bromide	1.15	10.0	11.4	103	80-120	
Chloride	236	50.0	242	12	80-120	X
Fluoride	0.818	2.00	2.74	96	80-120	
Sulfate	67.4	50.0	106	77	80-120	X

Lab Batch #: 887205

Date Analyzed: 05/03/2012 **Date Prepared:** 05/01/2012 **Analyst:** ASA

QC- Sample ID: 441253-001 S **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

TPH by SW8015 Mod Analytes	MATRIX / MATRIX SPIKE RECOVERY STUDY					
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
TPH_GRO	<1.50	100	91.0	91	70-135	
TPH_DRO	<1.50	100	117	117	70-135	

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

BRL - Below Reporting Limit

XENCO Laboratories

Form 3 - MS Recoveries

Project Name: Buckeye Compressor

Work Order #: 441365

Lab Batch #: 887207 **Project ID:** 073014 / 2012-2 /1

Date Analyzed: 05/03/2012 **Date Prepared:** 05/01/2012 **Analyst:** ASA

QC- Sample ID: 441365-010 S **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

TPH by SW8015 Mod Analytes	MATRIX / MATRIX SPIKE RECOVERY STUDY					
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
TPH_GRO	<1.50	100	95.8	96	70-135	
TPH_DRO	<1.50	100	123	123	70-135	

Lab Batch #: 887271

Date Analyzed: 05/05/2012 **Date Prepared:** 05/04/2012 **Analyst:** ASA

QC- Sample ID: 441533-010 S **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

TPH by SW8015 Mod Analytes	MATRIX / MATRIX SPIKE RECOVERY STUDY					
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
TPH_GRO	<1.50	100	94.6	95	70-135	
TPH_DRO	<1.50	100	125	125	70-135	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference [E] = 200*(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: Buckeye Compressor

Work Order # : 441365 **Project ID:** 073014 / 2012-2 /1

Lab Batch ID: 886893 **QC- Sample ID:** 441376-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 05/01/2012 **Date Prepared:** 04/30/2012 **Analyst:** SMG

Reporting Units: mg/L

BTEX by EPA 8021B Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	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	0.0894	89	0.100	0.0844	84	6	70-125	25	
Toluene	<0.00200	0.100	0.0900	90	0.100	0.0848	85	6	70-125	25	
Ethylbenzene	<0.00100	0.100	0.0878	88	0.100	0.0823	82	6	71-129	25	
m_p-Xylenes	<0.00200	0.200	0.177	89	0.200	0.163	82	8	70-131	25	
o-Xylene	<0.00100	0.100	0.0892	89	0.100	0.0830	83	7	71-133	25	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B

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

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

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

CHAIN OF CUSTODY RECORD

COC NO.: 32457
PAGE 1 OF 1

CONESTOGA-ROVERS & ASSOCIATES

Address: 8135 S. Loop 250 W.
Phone: 432-686 0086 Fax: 432-686-0140

441365 (See Reverse Side for Instructions)

Project No/ Phase/Task Code: 073014/2012-2/1	Laboratory Name: Xenco	Lab Location:	SSOW ID:
Project Name: Buckeye Compressor	Lab Contact:	Lab Quote No:	Cooler No:
Project Location: Buckeye, NM			Carrier:
Chemistry Contact: John Schnable			Airbill No:
Sampler(s): Joe Mireles Brice Haynes			Date Shipped:

Item	Sample Identification (Containers for each sample may be combined on one line)	Date (mm/dd/yy)	Time (hh:mm)	Matrix Code (see back of COC)	Grab (G) or Comp (C)	Container Quantity & Preservation: Unpreserved	HCl	HNO_3	H_2SO_4	NaOH	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other: FCE	Total Containers/Sample	BTEX SW8021B	TPH DRO GRO SW8015B	Chlorides EPA 300.0	MS/MSD Request	Comments/ Special Instructions:
1	MW-5-042512	04-25-12	1640	GW	G	X	X						X		2	2	1		
2	MW-10-042512	042512	1245	GW	G	X	X						X		2	2	1		
3	MW-12-042512	042512	1425	GW	G	X	X						X		2	2	1		
4	MW-15-042512	042512	1530	GW	G	X	X						X		2	2	1		
5	MW-18-042512	042512	1120	GW	G	X	X						X		2	2	1		
6	MW-20-042512	042512	1225	GW	G	X	X						X		2	2	1		
7	MW-22-042512	042512	1355	GW	G	X	X						X		2	2	1		
8	MW-23-042512	042512	1455	GW	G	X	X						X		2	2	1		
9	MW-24-042512	042512	1630	GW	G	X	X						X		2	2	1		
10	DUP-042512	042512	—	GW	G	X	X						X		2	2	1		
11	TRIP	—	—	TB	G		X						X		2	2	1		
12																			
13																			
14																			
15																			

TAT Required in business days (use separate COCs for different TATs):
☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☐ 2 Week ☒ Other: Standard

Total Number of Containers:
All Samples in Cooler must be on COC

Notes/ Special Requirements:
U.S.C

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1. Joe Mireles	CRA	4-26-12	0950	1.		4-26-12	09:50
2.				2.			
3.				3.			

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT – ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE – Fully Executed Copy (CRA) YELLOW – Receiving Laboratory Copy PINK – Shipper GOLDENROD – Sampling Crew

CRA Form: COC-10B (20110804)

XENCO Laboratories	Document Title: Sample Receipt Checklist
Atlanta, Boca Raton, Corpus Christi, Dallas	Document No.: SYS-SRC
Houston, Miami, Odessa, Philadelphia	Revision/Date: No. 01, 5/27/2010
Phoenix, San Antonio, Tampa	Effective Date: 6/1/2010 Page 1 of 1

Prelogin / Nonconformance Report - Sample Log-In

Client: CRA

Date/Time: 4.26.12 09:50

Lab ID # : 441365

Initials: SG / AE

Sample Receipt Checklist

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

18. Cooler 1 No.		Cooler 2 No.		Cooler 3 No.		Cooler 4 No.		Cooler 5 No.	
lbs	6.5 °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

Analytical Report 441533

for

Conestoga Rovers & Associates

Project Manager: John Schnable

Buckeye Compressor

073014/2012.2/1

08-MAY-12

Collected By: Client

Celebrating 20 Years of commitment to excellence in Environmental Testing Services

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 (AALI1), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Lakeland: Florida (E84098)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
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)

XENCO Laboratories

08-MAY-12

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

Reference: XENCO Report No: **441533**
Buckeye Compressor
Project Address: Buckeye, 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 441533. 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. 441533 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,

Nicholas Straccione
Project Manager

Sample Cross Reference 441533

Conestoga Rovers & Associates, Midland, TX

Buckeye Compressor

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW6	W	04-27-12 11:27		441533-001
MW1	W	04-26-12 17:25		441533-002
MW17	W	04-26-12 14:10		441533-003
MW14	W	04-26-12 15:40		441533-004
MW2	W	04-26-12 16:30		441533-005
MW4	W	04-26-12 14:25		441533-006
Dup2	W	04-26-12 00:00		441533-007
TW13	W	04-26-12 13:00		441533-008
MW13	W	04-26-12 12:00		441533-009
TW11	W	04-26-12 11:05		441533-010

CASE NARRATIVE

XENCO Laboratories

Client Name: Conestoga Rovers & Associates
Project Name: Buckeye Compressor

Project ID:	*073014/2012.2/1*	*Report Date:*	*08-MAY-12*
Work Order Number:	*441533*	*Date Received:*	*04/27/2012*

Sample receipt non conformances and comments:
None

Sample receipt non conformances and comments per sample:

None

Analytical non nonformances and comments:

Batch: LBA-887004 Inorganic Anions by EPA 300/300.1
E300

Batch 887004, Chloride recovered below QC limits in the Matrix Spike.
Samples affected are: 441533-001, -005, -007, -009, -002, -004, -008, -010, -006, -003.
The Laboratory Control Sample for Chloride is within laboratory Control Limits

Batch: LBA-887188 BTEX by EPA 8021B
SW8021BM

Batch 887188, 4-Bromofluorobenzene recovered below QC limits . Matrix interferences is suspected; data confirmed by re-analysis
Samples affected are: 441533-001.

Batch: LBA-887266 BTEX by EPA 8021B
SW8021BM

Batch 887266, 4-Bromofluorobenzene recovered below QC limits . Matrix interferences is suspected; data confirmed by re-analysis
Samples affected are: 441533-002,441533-007,441533-005.

Batch: LBA-887368 BTEX by EPA 8021B
The Quality Control sample 621542-1-BSD was spiked twice and is double the amount of 625542-1-BKS. All results are within quality control limts.

SW8021BM

Batch 887368, Benzene, Ethylbenzene, Toluene, m_p-Xylenes, o-Xylene recovered above QC limits in the Blank Spike Duplicate.
Samples affected are: 441533-005, -009, -008, -010.

SW8021BM

Batch 887368, Benzene, Ethylbenzene, Toluene, m_p-Xylenes , o-Xylene RPD was outside laboratory control limits.
Samples affected are: 441533-005, -009, -008, -010
The Quality Control sample 621542-1-BSD was spiked twice and is double the amount of 625542-1-BKS. All results are within quality control limts.

Certificate of Analysis Summary 441533

Conestoga Rovers & Associates, Midland, TX

Project Name: Buckeye Compressor

Project Id: 073014/2012.2/1
Contact: John Schnable
Project Location: Buckeye, NM

Date Received in Lab: Fri Apr-27-12 03:30 pm
Report Date: 08-MAY-12
Project Manager: Nicholas Straccione

Analysis Requested													
	Lab Id:	441533-001		441533-002		441533-003		441533-004		441533-005		441533-006	
	Field Id:	MW6		MW1		MW17		MW14		MW2		MW4	
	Depth:												
	Matrix:	WATER		WATER		WATER		WATER		WATER		WATER	
	Sampled:	Apr-27-12 11:27		Apr-26-12 17:25		Apr-26-12 14:10		Apr-26-12 15:40		Apr-26-12 16:30		Apr-26-12 14:25	
BTEX by EPA 8021B	***Extracted:***	May-03-12 15:00		May-04-12 10:41		May-04-12 10:41		May-03-12 15:00		May-07-12 10:16		May-04-12 10:41	
	Analyzed:	May-03-12 21:44		May-04-12 19:00		May-05-12 00:13		May-03-12 20:37		May-07-12 14:01		May-04-12 21:14	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Benzene		0.250	0.00100	3.94	0.250	0.203	0.0200	0.487	0.0200	0.868	0.250	16.6	0.250
Toluene		ND	0.00200	ND	0.500	ND	0.0400	ND	0.0400	ND	0.500	ND	0.500
Ethylbenzene		ND	0.00100	ND	0.250	ND	0.0200	ND	0.0200	ND	0.250	ND	0.250
m_p-Xylenes		ND	0.00200	ND	0.500	ND	0.0400	ND	0.0400	ND	0.500	ND	0.500
o-Xylene		ND	0.00100	ND	0.250	ND	0.0200	ND	0.0200	ND	0.250	ND	0.250
Total Xylenes		ND	0.00100	ND	0.250	ND	0.0200	ND	0.0200	ND	0.250	ND	0.250
Total BTEX		0.250	0.00100	3.94	0.250	0.203	0.0200	0.487	0.0200	0.868	0.250	16.6	0.250
Inorganic Anions by EPA 300/300.1 SUB: TX104704215	***Extracted:***	May-01-12 23:19		May-01-12 23:51		May-02-12 00:07		May-02-12 00:23		May-02-12 00:39		May-02-12 00:55	
	Analyzed:	May-01-12 23:19		May-01-12 23:51		May-02-12 00:07		May-02-12 00:23		May-02-12 00:39		May-02-12 00:55	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Chloride		50.0	0.500	67.7	0.500	30.6	0.500	55.8	0.500	129	0.500	77.1	0.500
TPH By SW8015 Mod	***Extracted:***	May-04-12 15:00		May-04-12 15:00		May-04-12 15:00		May-04-12 15:00		May-04-12 15:00		May-04-12 15:00	
	Analyzed:	May-05-12 10:34		May-05-12 11:02		May-05-12 11:30		May-05-12 11:59		May-05-12 12:27		May-05-12 12:57	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
TPH_GRO		ND	1.50	4.68	1.50	ND	1.50	ND	1.50	ND	1.50	15.9	1.50
TPH_DRO		ND	1.50	ND	1.50	ND	1.50	ND	1.50	ND	1.50	ND	1.50

Nicholas Straccione
Project Manager

Certificate of Analysis Summary 441533

Conestoga Rovers & Associates, Midland, TX

Project Name: Buckeye Compressor

Project Id: 073014/2012.2/1
Contact: John Schnable
Project Location: Buckeye, NM

Date Received in Lab: Fri Apr-27-12 03:30 pm
Report Date: 08-MAY-12
Project Manager: Nicholas Straccione

Analysis Requested															
	Lab Id:	441533-007		441533-008		441533-009		441533-010							
	Field Id:	Dup2		TW13		MW13		TW11							
	Depth:														
	Matrix:	WATER		WATER		WATER		WATER							
	Sampled:	Apr-26-12 00:00		Apr-26-12 13:00		Apr-26-12 12:00		Apr-26-12 11:05							
BTEX by EPA 8021B	*Extracted:*	May-04-12 10:41		May-07-12 10:16		May-07-12 10:16		May-07-12 10:16							
	Analyzed:	May-04-12 21:36		May-07-12 17:01		May-07-12 17:23		May-07-12 17:46							
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL						
Benzene		17.0	0.250	ND	0.00100	0.00158	0.00100	ND	0.00100						
Toluene		ND	0.500	0.00339	0.00200	0.00288	0.00200	0.00296	0.00200						
Ethylbenzene		ND	0.250	ND	0.00100	ND	0.00100	ND	0.00100						
m_p-Xylenes		ND	0.500	ND	0.00200	ND	0.00200	ND	0.00200						
o-Xylene		ND	0.250	ND	0.00100	ND	0.00100	ND	0.00100						
Total Xylenes		ND	0.250	ND	0.00100	ND	0.00100	ND	0.00100						
Total BTEX		17.0	0.250	0.00339	0.00100	0.00446	0.00100	0.00296	0.00100						
Inorganic Anions by EPA 300/300.1 SUB: TX104704215	*Extracted:*	May-02-12 01:44		May-02-12 02:00		May-02-12 02:16		May-02-12 02:32							
	Analyzed:	May-02-12 01:44		May-02-12 02:00		May-02-12 02:16		May-02-12 02:32							
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL						
Chloride		77.0	0.500	83.0	0.500	81.1	0.500	30.4	0.500						
TPH By SW8015 Mod	*Extracted:*	May-04-12 15:00		May-04-12 15:00		May-04-12 15:00		May-04-12 15:00							
	Analyzed:	May-05-12 13:26		May-05-12 13:54		May-05-12 14:23		May-05-12 14:51							
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL						
TPH_GRO		15.7	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						

Nicholas Straccione
Project Manager

XENCO Laboratories

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 quantiation 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.

* Surrogate recovered outside laboratory control limit.

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

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Buckeye Compressor

Work Orders : 441533,

Project ID: 073014/2012.2/1

Lab Batch #: 887188 **Sample:** 441533-004 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/03/12 20:37

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0265	0.0300	88	80-120	
4-Bromofluorobenzene	0.0247	0.0300	82	80-120	

Lab Batch #: 887188 **Sample:** 441533-001 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/03/12 21:44

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0311	0.0300	104	80-120	
4-Bromofluorobenzene	0.0229	0.0300	76	80-120	**

Lab Batch #: 887266 **Sample:** 441533-002 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/04/12 19:00

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0255	0.0300	85	80-120	
4-Bromofluorobenzene	0.0206	0.0300	69	80-120	**

Lab Batch #: 887266 **Sample:** 441533-006 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/04/12 21:14

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0309	0.0300	103	80-120	
4-Bromofluorobenzene	0.0247	0.0300	82	80-120	

Lab Batch #: 887266 **Sample:** 441533-007 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/04/12 21:36

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0293	0.0300	98	80-120	
4-Bromofluorobenzene	0.0225	0.0300	75	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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Buckeye Compressor

Work Orders : 441533,

Project ID: 073014/2012.2/1

Lab Batch #: 887266 **Sample:** 441533-003 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/05/12 00:13

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0270	0.0300	90	80-120	
4-Bromofluorobenzene	0.0244	0.0300	81	80-120	

Lab Batch #: 887271 **Sample:** 441533-001 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/05/12 10:34

TPH By SW8015 Mod	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	9.24	10.0	92	70-135	
o-Terphenyl	5.11	5.00	102	70-135	

Lab Batch #: 887271 **Sample:** 441533-002 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/05/12 11:02

TPH By SW8015 Mod	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	9.32	10.0	93	70-135	
o-Terphenyl	5.21	5.00	104	70-135	

Lab Batch #: 887271 **Sample:** 441533-003 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/05/12 11:30

TPH By SW8015 Mod	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	8.83	10.0	88	70-135	
o-Terphenyl	4.85	5.00	97	70-135	

Lab Batch #: 887271 **Sample:** 441533-004 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/05/12 11:59

TPH By SW8015 Mod	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	9.53	10.0	95	70-135	
o-Terphenyl	5.28	5.00	106	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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Buckeye Compressor

Work Orders : 441533,

Project ID: 073014/2012.2/1

Lab Batch #: 887271 **Sample:** 441533-005 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/05/12 12:27

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	8.84	10.0	88	70-135	
o-Terphenyl	4.90	5.00	98	70-135	

Lab Batch #: 887271 **Sample:** 441533-006 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/05/12 12:57

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	8.84	10.0	88	70-135	
o-Terphenyl	4.90	5.00	98	70-135	

Lab Batch #: 887271 **Sample:** 441533-007 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/05/12 13:26

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	8.79	10.0	88	70-135	
o-Terphenyl	4.84	5.00	97	70-135	

Lab Batch #: 887271 **Sample:** 441533-008 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/05/12 13:54

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	8.67	10.0	87	70-135	
o-Terphenyl	4.81	5.00	96	70-135	

Lab Batch #: 887271 **Sample:** 441533-009 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/05/12 14:23

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	9.04	10.0	90	70-135	
o-Terphenyl	5.00	5.00	100	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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Buckeye Compressor

Work Orders : 441533,

Project ID: 073014/2012.2/1

Lab Batch #: 887271 **Sample:** 441533-010 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/05/12 14:51

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	9.05	10.0	91	70-135	
o-Terphenyl	5.01	5.00	100	70-135	

Lab Batch #: 887368 **Sample:** 441533-005 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/07/12 14:01

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0272	0.0300	91	80-120	
4-Bromofluorobenzene	0.0256	0.0300	85	80-120	

Lab Batch #: 887368 **Sample:** 441533-008 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/07/12 17:01

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0266	0.0300	89	80-120	
4-Bromofluorobenzene	0.0246	0.0300	82	80-120	

Lab Batch #: 887368 **Sample:** 441533-009 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/07/12 17:23

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0275	0.0300	92	80-120	
4-Bromofluorobenzene	0.0241	0.0300	80	80-120	

Lab Batch #: 887368 **Sample:** 441533-010 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/07/12 17:46

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0267	0.0300	89	80-120	
4-Bromofluorobenzene	0.0255	0.0300	85	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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Buckeye Compressor

Work Orders : 441533, **Project ID:** 073014/2012.2/1

Lab Batch #: 887188 **Sample:** 621411-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/03/12 18:45

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0267	0.0300	89	80-120	
4-Bromofluorobenzene	0.0259	0.0300	86	80-120	

Lab Batch #: 887266 **Sample:** 621466-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/04/12 13:31

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0271	0.0300	90	80-120	
4-Bromofluorobenzene	0.0243	0.0300	81	80-120	

Lab Batch #: 887271 **Sample:** 621469-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/05/12 10:06

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	9.61	10.0	96	70-135	
o-Terphenyl	5.34	5.00	107	70-135	

Lab Batch #: 887368 **Sample:** 621542-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/07/12 12:43

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0263	0.0300	88	80-120	
4-Bromofluorobenzene	0.0257	0.0300	86	80-120	

Lab Batch #: 887188 **Sample:** 621411-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/03/12 17:16

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0274	0.0300	91	80-120	
4-Bromofluorobenzene	0.0261	0.0300	87	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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Buckeye Compressor

Work Orders : 441533,

Project ID: 073014/2012.2/1

Lab Batch #: 887266 **Sample:** 621466-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/04/12 12:02

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0245	0.0300	82	80-120	
4-Bromofluorobenzene	0.0261	0.0300	87	80-120	

Lab Batch #: 887271 **Sample:** 621469-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/05/12 09:11

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	9.43	10.0	94	70-135	
o-Terphenyl	5.58	5.00	112	70-135	

Lab Batch #: 887368 **Sample:** 621542-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/07/12 11:14

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0287	0.0300	96	80-120	
4-Bromofluorobenzene	0.0291	0.0300	97	80-120	

Lab Batch #: 887188 **Sample:** 621411-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/03/12 17:38

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0290	0.0300	97	80-120	
4-Bromofluorobenzene	0.0295	0.0300	98	80-120	

Lab Batch #: 887266 **Sample:** 621466-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/04/12 12:25

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0285	0.0300	95	80-120	
4-Bromofluorobenzene	0.0300	0.0300	100	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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Buckeye Compressor

Work Orders : 441533, **Project ID:** 073014/2012.2/1

Lab Batch #: 887271 **Sample:** 621469-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/05/12 09:39

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	9.40	10.0	94	70-135	
o-Terphenyl	5.59	5.00	112	70-135	

Lab Batch #: 887368 **Sample:** 621542-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/07/12 11:36

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0309	0.0300	103	80-120	
4-Bromofluorobenzene	0.0299	0.0300	100	80-120	

Lab Batch #: 887271 **Sample:** 441533-010 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/05/12 19:27

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	11.9	10.0	119	70-135	
o-Terphenyl	6.04	5.00	121	70-135	

Lab Batch #: 887368 **Sample:** 441692-001 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/07/12 18:53

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0296	0.0300	99	80-120	
4-Bromofluorobenzene	0.0299	0.0300	100	80-120	

Lab Batch #: 887368 **Sample:** 441692-001 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 05/07/12 19:16

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0289	0.0300	96	80-120	
4-Bromofluorobenzene	0.0287	0.0300	96	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.

BS / BSD Recoveries

Project Name: Buckeye Compressor

Work Order #: 441533 **Project ID:** 073014/2012.2/1

Analyst: SMG **Date Prepared:** 05/03/2012 **Date Analyzed:** 05/03/2012

Lab Batch ID: 887188 **Sample:** 621411-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	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
Benzene	<0.00100	0.100	0.0869	87	0.100	0.0992	99	13	70-125	25	
Toluene	<0.00200	0.100	0.0876	88	0.100	0.0996	100	13	70-125	25	
Ethylbenzene	<0.00100	0.100	0.0870	87	0.100	0.0988	99	13	71-129	25	
m_p-Xylenes	<0.00200	0.200	0.186	93	0.200	0.210	105	12	70-131	25	
o-Xylene	<0.00100	0.100	0.0902	90	0.100	0.102	102	12	71-133	25	

Analyst: SMG **Date Prepared:** 05/04/2012 **Date Analyzed:** 05/04/2012

Lab Batch ID: 887266 **Sample:** 621466-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	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
Benzene	0.00250	0.100	0.0919	92	0.100	0.0940	94	2	70-125	25	
Toluene	<0.00200	0.100	0.0855	86	0.100	0.0916	92	7	70-125	25	
Ethylbenzene	<0.00100	0.100	0.0828	83	0.100	0.0896	90	8	71-129	25	
m_p-Xylenes	<0.00200	0.200	0.172	86	0.200	0.186	93	8	70-131	25	
o-Xylene	<0.00100	0.100	0.0895	90	0.100	0.0944	94	5	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

BS / BSD Recoveries

Project Name: Buckeye Compressor

Work Order #: 441533 **Project ID:** 073014/2012.2/1

Analyst: SMG **Date Prepared:** 05/07/2012 **Date Analyzed:** 05/07/2012

Lab Batch ID: 887368 **Sample:** 621542-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	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
Benzene	<0.00100	0.100	0.0839	84	0.200	0.178	89	5	70-125	25	
Toluene	<0.00200	0.100	0.0833	83	0.200	0.175	88	6	70-125	25	
Ethylbenzene	<0.00100	0.100	0.0813	81	0.200	0.171	86	6	71-129	25	
m_p-Xylenes	<0.00200	0.200	0.168	84	0.400	0.358	90	7	70-131	25	
o-Xylene	<0.00100	0.100	0.0865	87	0.200	0.177	89	2.2	71-133	25	

Analyst: TTE **Date Prepared:** 05/01/2012 **Date Analyzed:** 05/01/2012

Lab Batch ID: 887004 **Sample:** 621298-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	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
Chloride	<0.500	50.0	49.4	99	50.0	49.8	100	1	80-120	20	

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

BS / BSD Recoveries

Project Name: Buckeye Compressor

Work Order #: 441533
Project ID: 073014/2012.2/1
Analyst: ASA
Date Prepared: 05/04/2012
Date Analyzed: 05/05/2012
Lab Batch ID: 887271
Sample: 621469-1-BKS
Batch #: 1
Matrix: Water
Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	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
TPH_GRO	<1.50	100	78.4	78	100	79.1	79	1	70-135	25	
TPH_DRO	<1.50	100	99.0	99	100	101	101	2	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

XENCO Laboratories

Form 3 - MS Recoveries

Project Name: Buckeye Compressor

Work Order #: 441533
Lab Batch #: 887004 **Project ID:** 073014/2012.2/1
Date Analyzed: 05/01/2012 **Date Prepared:** 05/01/2012 **Analyst:** TTE
QC- Sample ID: 441533-001 S **Batch #:** 1 **Matrix:** Water
Reporting Units: mg/L

Inorganic Anions by EPA 300	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	50.0	50.0	91.1	82	80-120	

Lab Batch #: 887004
Date Analyzed: 05/02/2012 **Date Prepared:** 05/02/2012 **Analyst:** TTE
QC- Sample ID: 441539-001 S **Batch #:** 1 **Matrix:** Water
Reporting Units: mg/L

Inorganic Anions by EPA 300	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	143	50.0	166	46	80-120	X

Lab Batch #: 887271
Date Analyzed: 05/05/2012 **Date Prepared:** 05/04/2012 **Analyst:** ASA
QC- Sample ID: 441533-010 S **Batch #:** 1 **Matrix:** Water
Reporting Units: mg/L

TPH by SW8015 Mod	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
TPH_GRO	<1.50	100	94.6	95	70-135	
TPH_DRO	<1.50	100	125	125	70-135	

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

BRL - Below Reporting Limit

XENCO Laboratories

Form 3 - MS / MSD Recoveries

Project Name: Buckeye Compressor

Work Order # : 441533 **Project ID:** 073014/2012.2/1

Lab Batch ID: 887368 **QC- Sample ID:** 441692-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 05/07/2012 **Date Prepared:** 05/07/2012 **Analyst:** SMG

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	0.0896	90	0.100	0.0815	82	9	70-125	25	
Toluene	<0.00200	0.100	0.0885	89	0.100	0.0813	81	8	70-125	25	
Ethylbenzene	<0.00100	0.100	0.0857	86	0.100	0.0787	79	9	71-129	25	
m_p-Xylenes	<0.00200	0.200	0.173	87	0.200	0.158	79	9	70-131	25	
o-Xylene	<0.00100	0.100	0.0877	88	0.100	0.0811	81	8	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

CHAIN OF CUSTODY RECORD

COC NO.: 32460
PAGE 1 OF 1

CONESTOGA-ROVERS & ASSOCIATES
Address: 2135 S Loop 250 W.
Phone: 432 686 0086 Fax: 432 686 0186

441533

(See Reverse Side for Instructions)

Project No/ Phase/Task Code: 073014/2012.2/1	**Laboratory Name:** Xenco	**Lab Location:**	**SSOW ID:**
Project Name: Buckeye Compressor	**Lab Contact:**	**Lab Quote No:**	**Cooler No:**
Project Location: Buckeye NM			**Carrier:**
Chemistry Contact: John Schnable			**Airbill No:**
Sampler(s): Brice Haynes Justin Nixon			**Date Shipped:**

Item	Sample Identification (Containers for each sample may be combined on one line)	Date (mm/dd/yy)	Time (hh:mm)	Sample Type: Matrix Code (see back of COC)	Sample Type: Grab (G) or Comp (C)	Container Quantity & Preservation: Unpreserved	HCl	HNO_3	H_2SO_4	NaOH	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other: Ice	Total Containers/Sample	Analysis Requested: BTEX 8021B	TPH DRO GRO 8015B	Chloride EPA 300.0	MS/MSD Request	Comments/ Special Instructions:
1	MW6 042712	4-27-12	1127	GW	G	X	X						X		2	2	1		
2	MW1 042612	4-26-12	1725	GW	G	X	X						X		2	2	1		
3	MW17 042612	4-26-12	1410	GW	G	X	X						X		2	2	1		
4	MW14 042612	4-26-12	1540	GW	G	X	X						X		2	2	1		
5	MW2 042612	4-26-12	1630	GW	G	X	X						X		2	2	1		
6	MW4 042612	4-26-12	1425	GW	G	X	X						X		2	2	1		
7	Dup 2 042612	4-26-12		GW	G	X	X						X		2	2	1		
8	TW13 042612	4-26-12	1300	GW	G	X	X						X		2	2	1		
9	MW13 042612	4-26-12	1200	GW	G	X	X						X		2	2	1		
10	TW11 042612	4-26-12	1105	GW	G	X	X						X		2	2	1		
11	~~Trip~~ 3H	—	—	TB	G	X	X						X		2	2	1		
12																			
13																			
14																			
15																			

TAT Required in business days (use separate COCs for different TATs):
☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☐ 2 Week ☒ Other: Standard

Total Number of Containers:
All Samples in Cooler must be on COC

Notes/ Special Requirements: Temp of Sample Rec'd 2.0°C

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1. Brice Haynes	CRA	4-27-12	1530	1. Bill Rhoman	Xenco	4-27-12	15:30
2.				2.			
3.				3.			

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT – ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE – Fully Executed Copy (CRA) YELLOW – Receiving Laboratory Copy PINK – Shipper GOLDENROD – Sampling Crew

CRA Form: COC-10B (20110804)

XENCO Laboratories	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: 4.27.12 15:30

Lab ID # : 441533

Initials: WR / AE

Sample Receipt Checklist

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

18. Cooler 1 No.		Cooler 2 No.		Cooler 3 No.		Cooler 4 No.		Cooler 5 No.	
lbs	2.0 °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

Analytical Report 452514

for

Conestoga Rovers & Associates

Project Manager: John Schnable

Buckeye Compressor

073014

27-NOV-12

Collected By: Client

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), DoD (L11-54)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Lakeland: Florida (E84098)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
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)

XENCO Laboratories

27-NOV-12

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

Reference: XENCO Report No: **452514**
Buckeye Compressor
Project Address:

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 452514. 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. The uncertainty of measurement associated with the results of analysis reported is available upon request. 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. 452514 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,

Nicholas Straccione
Project Manager

Sample Cross Reference 452514

Conestoga Rovers & Associates, Midland, TX

Buckeye Compressor

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Dup2110712	W	11-07-12 00:00		452514-001
MW23110812	W	11-08-12 10:55		452514-002
MW22110812	W	11-08-12 12:15		452514-003
MW15110812	W	11-08-12 13:05		452514-004
MW5110812	W	11-08-12 13:55		452514-005
MW21110812	W	11-08-12 15:35		452514-006
MW10110812	W	11-08-12 16:50		452514-007
MW20110912	W	11-09-12 09:00		452514-008
MW24110912	W	11-09-12 10:45		452514-009
MW1110912	W	11-09-12 12:55		452514-010
TW20110612	W	11-06-12 16:15		452514-011
TW11110612	W	11-06-12 17:30		452514-012
Dup1110612	W	11-06-12 00:00		452514-013
TW13110712	W	11-07-12 09:45		452514-014
MW13	W	11-07-12 11:55		452514-015
MW18	W	11-07-12 10:50		452514-016
MW14	W	11-07-12 12:45		452514-017
MW4	W	11-07-12 13:30		452514-018
MW16	W	11-07-12 14:25		452514-019
MW17	W	11-07-12 15:20		452514-020
MW2111212	W	11-12-12 11:45		452514-021
MW3111212	W	11-12-12 12:30		452514-022
MW6111212	W	11-12-12 13:15		452514-023
MW7111212	W	11-12-12 13:55		452514-024
MW12111212	W	11-12-12 15:00		452514-025
Trip Blank	W	11-09-12 00:00		452514-026

CASE NARRATIVE

XENCO Laboratories

Client Name: Conestoga Rovers & Associates
Project Name: Buckeye Compressor

Project ID:	*073014*	*Report Date:*	*27-NOV-12*
Work Order Number:	*452514*	*Date Received:*	*11/14/2012*

Sample receipt non conformances and comments:
None

Sample receipt non conformances and comments per sample:

None

Certificate of Analysis Summary 452514

Conestoga Rovers & Associates, Midland, TX

Project Name: Buckeye Compressor

Project Id: 073014
Contact: John Schnable
Project Location:

Date Received in Lab: Wed Nov-14-12 03:15 pm
Report Date: 27-NOV-12
Project Manager: Nicholas Straccione

Analysis Requested																			
	Lab Id:	452514-001		452514-002		452514-003		452514-004		452514-005		452514-006							
	Field Id:	Dup2110712		MW23110812		MW22110812		MW15110812		MW5110812		MW21110812							
	Depth:																		
	Matrix:	WATER		WATER		WATER		WATER		WATER		WATER							
	Sampled:	Nov-07-12 00:00		Nov-08-12 10:55		Nov-08-12 12:15		Nov-08-12 13:05		Nov-08-12 13:55		Nov-08-12 15:35							
BTEX by EPA 8021B	*Extracted:*	Nov-15-12 13:45		Nov-15-12 13:45		Nov-15-12 13:45		Nov-15-12 13:45		Nov-15-12 13:45		Nov-15-12 13:45							
	Analyzed:	Nov-16-12 11:19		Nov-16-12 11:35		Nov-15-12 18:55		Nov-15-12 19:11		Nov-15-12 19:28		Nov-15-12 19:44							
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL						
Benzene		ND	0.00100	ND	0.00100	ND	0.00100	ND	0.00100	0.00901	0.00100	ND	0.00100						
Toluene		ND	0.00200	ND	0.00200	ND	0.00200	ND	0.00200	ND	0.00200	ND	0.00200						
Ethylbenzene		ND	0.00100	ND	0.00100	ND	0.00100	ND	0.00100	ND	0.00100	ND	0.00100						
m,p-Xylenes		ND	0.00200	ND	0.00200	ND	0.00200	ND	0.00200	ND	0.00200	ND	0.00200						
o-Xylene		ND	0.00100	ND	0.00100	ND	0.00100	ND	0.00100	ND	0.00100	ND	0.00100						
Total Xylenes		ND	0.00100	ND	0.00100	ND	0.00100	ND	0.00100	ND	0.00100	ND	0.00100						
Total BTEX		ND	0.00100	ND	0.00100	ND	0.00100	ND	0.00100	0.00901	0.00100	ND	0.00100						
Inorganic Anions by EPA 300/300.1 SUB: E871002	*Extracted:*			Nov-15-12 21:32		Nov-15-12 21:50		Nov-15-12 22:42		Nov-15-12 23:59		Nov-15-12 23:17							
	Analyzed:			Nov-15-12 21:32		Nov-15-12 21:50		Nov-15-12 22:42		Nov-15-12 23:59		Nov-15-12 23:17							
	Units/RL:			mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL						
Chloride				151	5.00	263	5.00	76.6	5.00	27.8	5.00	63.8	5.00						
TPH By SW8015B Mod	*Extracted:*	Nov-16-12 02:00		Nov-16-12 02:00		Nov-16-12 02:00		Nov-16-12 02:00		Nov-16-12 02:00		Nov-16-12 02:00							
	Analyzed:	Nov-17-12 01:27		Nov-17-12 02:00		Nov-17-12 02:33		Nov-17-12 03:06		Nov-17-12 03:39		Nov-17-12 04:11							
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL						
C6-C10 Gasoline Range Hydrocarbons		ND	1.50	ND	1.50	ND	1.50	ND	1.50	ND	1.50	ND	1.50						
C12-C28 Diesel Range Hydrocarbons		ND	1.50	ND	1.50	ND	1.50	ND	1.50	1.68	1.50	ND	1.50						
Total TPH		ND	1.50	ND	1.50	ND	1.50	ND	1.50	1.68	1.50	ND	1.50						

Nicholas Straccione
Project Manager

Certificate of Analysis Summary 452514

Conestoga Rovers & Associates, Midland, TX

Project Name: Buckeye Compressor

Project Id: 073014
Contact: John Schnable
Project Location:

Date Received in Lab: Wed Nov-14-12 03:15 pm
Report Date: 27-NOV-12
Project Manager: Nicholas Straccione

Analysis Requested													
	Lab Id:	452514-007		452514-008		452514-009		452514-010		452514-011		452514-012	
	Field Id:	MW10110812		MW20110912		MW24110912		MW1110912		TW20110612		TW11110612	
	Depth:												
	Matrix:	WATER		WATER		WATER		WATER		WATER		WATER	
	Sampled:	Nov-08-12 16:50		Nov-09-12 09:00		Nov-09-12 10:45		Nov-09-12 12:55		Nov-06-12 16:15		Nov-06-12 17:30	
BTEX by EPA 8021B	***Extracted:***	Nov-15-12 13:45		Nov-16-12 12:30		Nov-19-12 08:30		Nov-16-12 12:30		Nov-19-12 08:30		Nov-16-12 12:30	
	Analyzed:	Nov-15-12 20:00		Nov-16-12 14:13		Nov-19-12 10:11		Nov-16-12 19:27		Nov-19-12 10:28		Nov-16-12 15:52	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Benzene		ND	0.00100	ND	0.00100	ND	0.00100	1.10	0.0100	ND	0.00100	ND	0.00100
Toluene		ND	0.00200	ND	0.00200	ND	0.00200	ND	0.0200	ND	0.00200	ND	0.00200
Ethylbenzene		ND	0.00100	ND	0.00100	ND	0.00100	ND	0.0100	ND	0.00100	ND	0.00100
m,p-Xylenes		ND	0.00200	ND	0.00200	ND	0.00200	ND	0.0200	ND	0.00200	ND	0.00200
o-Xylene		ND	0.00100	ND	0.00100	ND	0.00100	ND	0.0100	ND	0.00100	ND	0.00100
Total Xylenes		ND	0.00100	ND	0.00100	ND	0.00100	ND	0.0100	ND	0.00100	ND	0.00100
Total BTEX		ND	0.00100	ND	0.00100	ND	0.00100	1.10	0.0100	ND	0.00100	ND	0.00100
Inorganic Anions by EPA 300/300.1 SUB: E871002	***Extracted:***	Nov-15-12 23:34		Nov-16-12 01:19		Nov-16-12 01:54		Nov-16-12 02:11		Nov-16-12 02:28		Nov-16-12 02:46	
	Analyzed:	Nov-15-12 23:34		Nov-16-12 01:19		Nov-16-12 01:54		Nov-16-12 02:11		Nov-16-12 02:28		Nov-16-12 02:46	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Chloride		30.1	5.00	13.3	5.00	89.6	5.00	64.1	5.00	53.5	5.00	28.1	5.00
TPH By SW8015B Mod	***Extracted:***	Nov-16-12 02:00		Nov-16-12 02:00		Nov-16-12 02:00		Nov-19-12 09:30		Nov-19-12 09:30		Nov-19-12 09:30	
	Analyzed:	Nov-17-12 04:44		Nov-17-12 05:17		Nov-17-12 05:49		Nov-19-12 12:42		Nov-19-12 13:10		Nov-19-12 13:44	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
C6-C10 Gasoline Range Hydrocarbons		ND	1.50	ND	1.50	ND	1.50	ND	1.50	ND	1.50	ND	1.50
C12-C28 Diesel Range Hydrocarbons		ND	1.50	ND	1.50	ND	1.50	ND	1.50	ND	1.50	ND	1.50
Total TPH		ND	1.50	ND	1.50	ND	1.50	ND	1.50	ND	1.50	ND	1.50

Nicholas Straccione
Project Manager

Certificate of Analysis Summary 452514

Conestoga Rovers & Associates, Midland, TX

Project Name: Buckeye Compressor

Project Id: 073014
Contact: John Schnable
Project Location:

Date Received in Lab: Wed Nov-14-12 03:15 pm
Report Date: 27-NOV-12
Project Manager: Nicholas Straccione

Analysis Requested													
	Lab Id:	452514-013		452514-014		452514-015		452514-016		452514-017		452514-018	
	Field Id:	Dup1110612		TW13110712		MW13		MW18		MW14		MW4	
	Depth:												
	Matrix:	WATER		WATER		WATER		WATER		WATER		WATER	
	Sampled:	Nov-06-12 00:00		Nov-07-12 09:45		Nov-07-12 11:55		Nov-07-12 10:50		Nov-07-12 12:45		Nov-07-12 13:30	
BTEX by EPA 8021B	*Extracted:*	Nov-16-12 12:30		Nov-16-12 12:30		Nov-16-12 12:30		Nov-16-12 12:30		Nov-16-12 12:30		Nov-19-12 08:30	
	Analyzed:	Nov-16-12 16:09		Nov-16-12 16:26		Nov-16-12 16:43		Nov-16-12 16:59		Nov-16-12 17:15		Nov-19-12 17:35	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Benzene		ND	0.00100	ND	0.00100	ND	0.00100	ND	0.00100	0.104	0.00100	19.2	0.100
Toluene		ND	0.00200	ND	0.00200	ND	0.00200	ND	0.00200	ND	0.00200	0.464	0.200
Ethylbenzene		ND	0.00100	ND	0.00100	ND	0.00100	ND	0.00100	ND	0.00100	0.113	0.100
m,p-Xylenes		ND	0.00200	ND	0.00200	ND	0.00200	ND	0.00200	ND	0.00200	0.234	0.200
o-Xylene		ND	0.00100	ND	0.00100	ND	0.00100	ND	0.00100	ND	0.00100	0.215	0.100
Total Xylenes		ND	0.00100	ND	0.00100	ND	0.00100	ND	0.00100	ND	0.00100	0.449	0.100
Total BTEX		ND	0.00100	ND	0.00100	ND	0.00100	ND	0.00100	0.104	0.00100	20.2	0.100
Inorganic Anions by EPA 300/300.1 SUB: E871002	*Extracted:*			Nov-16-12 03:03		Nov-16-12 03:21		Nov-16-12 03:38		Nov-16-12 04:30		Nov-16-12 04:48	
	Analyzed:			Nov-16-12 03:03		Nov-16-12 03:21		Nov-16-12 03:38		Nov-16-12 04:30		Nov-16-12 04:48	
	Units/RL:			mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Chloride				64.8	5.00	76.7	5.00	68.7	5.00	69.7	5.00	70.7	5.00
TPH By SW8015B Mod	*Extracted:*	Nov-19-12 09:30		Nov-19-12 09:30		Nov-19-12 09:30		Nov-19-12 09:30		Nov-19-12 09:30		Nov-19-12 09:30	
	Analyzed:	Nov-19-12 14:14		Nov-19-12 14:51		Nov-19-12 15:23		Nov-19-12 15:53		Nov-19-12 16:21		Nov-19-12 16:55	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
C6-C10 Gasoline Range Hydrocarbons		ND	1.50	ND	1.50	ND	1.50	ND	1.50	ND	1.50	18.6	1.50
C12-C28 Diesel Range Hydrocarbons		ND	1.50	ND	1.50	ND	1.50	ND	1.50	ND	1.50	ND	1.50
Total TPH		ND	1.50	ND	1.50	ND	1.50	ND	1.50	ND	1.50	18.6	1.50

Nicholas Straccione
Project Manager

Certificate of Analysis Summary 452514

Conestoga Rovers & Associates, Midland, TX

Project Name: Buckeye Compressor

Project Id: 073014
Contact: John Schnable
Project Location:

Date Received in Lab: Wed Nov-14-12 03:15 pm
Report Date: 27-NOV-12
Project Manager: Nicholas Straccione

Analysis Requested													
	Lab Id:	452514-019		452514-020		452514-021		452514-022		452514-023		452514-024	
	Field Id:	MW16		MW17		MW2111212		MW3111212		MW6111212		MW7111212	
	Depth:												
	Matrix:	WATER		WATER		WATER		WATER		WATER		WATER	
	Sampled:	Nov-07-12 14:25		Nov-07-12 15:20		Nov-12-12 11:45		Nov-12-12 12:30		Nov-12-12 13:15		Nov-12-12 13:55	
BTEX by EPA 8021B	*Extracted:*	Nov-19-12 08:30		Nov-19-12 08:30		Nov-19-12 08:30		Nov-19-12 08:30		Nov-19-12 08:30		Nov-19-12 08:30	
	Analyzed:	Nov-19-12 16:45		Nov-19-12 17:01		Nov-19-12 17:51		Nov-19-12 18:08		Nov-19-12 18:57		Nov-19-12 18:24	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Benzene		ND	0.00100	0.243	0.00100	0.709	0.0100	7.06	0.100	0.807	0.0100	ND	0.00100
Toluene		ND	0.00200	ND	0.00200	0.0224	0.0200	0.822	0.200	ND	0.0200	ND	0.00200
Ethylbenzene		ND	0.00100	ND	0.00100	0.0122	0.0100	0.249	0.100	ND	0.0100	ND	0.00100
m,p-Xylenes		0.00346	0.00200	0.00261	0.00200	0.0203	0.0200	0.204	0.200	ND	0.0200	ND	0.00200
o-Xylene		0.00254	0.00100	ND	0.00100	0.0114	0.0100	ND	0.100	ND	0.0100	ND	0.00100
Total Xylenes		0.00600	0.00100	0.00261	0.00100	0.0317	0.0100	0.204	0.100	ND	0.0100	ND	0.00100
Total BTEX		0.00600	0.00100	0.246	0.00100	0.775	0.0100	8.34	0.100	0.807	0.0100	ND	0.00100
Inorganic Anions by EPA 300/300.1 SUB: E871002	*Extracted:*	Nov-16-12 05:05		Nov-16-12 05:22		Nov-16-12 05:40		Nov-16-12 05:57		Nov-16-12 06:15		Nov-16-12 06:32	
	Analyzed:	Nov-16-12 05:05		Nov-16-12 05:22		Nov-16-12 05:40		Nov-16-12 05:57		Nov-16-12 06:15		Nov-16-12 06:32	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Chloride		53.7	5.00	34.3	5.00	140	5.00	43.5	5.00	52.1	5.00	17.8	5.00
TPH By SW8015B Mod	*Extracted:*	Nov-19-12 09:30		Nov-19-12 09:30		Nov-19-12 09:30		Nov-19-12 09:30		Nov-19-12 09:30		Nov-19-12 09:30	
	Analyzed:	Nov-19-12 17:24		Nov-19-12 18:28		Nov-19-12 18:58		Nov-19-12 19:34		Nov-19-12 20:10		Nov-19-12 20:46	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
C6-C10 Gasoline Range Hydrocarbons		ND	1.50	ND	1.50	ND	1.50	11.8	1.50	ND	1.50	ND	1.50
C12-C28 Diesel Range Hydrocarbons		ND	1.50	ND	1.50	ND	1.50	ND	1.50	ND	1.50	ND	1.50
Total TPH		ND	1.50	ND	1.50	ND	1.50	11.8	1.50	ND	1.50	ND	1.50

Nicholas Straccione
Project Manager

Certificate of Analysis Summary 452514

Conestoga Rovers & Associates, Midland, TX

Project Name: Buckeye Compressor

Project Id: 073014
Contact: John Schnable
Project Location:

Date Received in Lab: Wed Nov-14-12 03:15 pm
Report Date: 27-NOV-12
Project Manager: Nicholas Straccione

Analysis Requested												
	Lab Id:	452514-025		452514-026								
	Field Id:	MW12111212		Trip Blank								
	Depth:											
	Matrix:	WATER		WATER								
	Sampled:	Nov-12-12 15:00		Nov-09-12 00:00								
BTEX by EPA 8021B	*Extracted:*	Nov-19-12 08:30		Nov-19-12 08:30								
	Analyzed:	Nov-19-12 18:41		Nov-19-12 10:45								
	Units/RL:	mg/L	RL	mg/L	RL							
Benzene		ND	0.00100	ND	0.00100							
Toluene		ND	0.00200	ND	0.00200							
Ethylbenzene		ND	0.00100	ND	0.00100							
m,p-Xylenes		ND	0.00200	ND	0.00200							
o-Xylene		ND	0.00100	ND	0.00100							
Total Xylenes		ND	0.00100	ND	0.00100							
Total BTEX		ND	0.00100	ND	0.00100							
Inorganic Anions by EPA 300/300.1 SUB: E871002	*Extracted:*	Nov-16-12 06:49										
	Analyzed:	Nov-16-12 06:49										
	Units/RL:	mg/L	RL									
Chloride		38.5	5.00									
TPH By SW8015B Mod	*Extracted:*	Nov-19-12 09:30										
	Analyzed:	Nov-19-12 21:23										
	Units/RL:	mg/L	RL									
C6-C10 Gasoline Range Hydrocarbons		ND	1.50									
C12-C28 Diesel Range Hydrocarbons		ND	1.50									
Total TPH		ND	1.50									

Nicholas Straccione
Project Manager

XENCO Laboratories

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 quantiation 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.

* Surrogate recovered outside laboratory control limit.

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

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Buckeye Compressor

Work Orders : 452514,

Project ID: 073014

Lab Batch #: 901056 **Sample:** 452514-003 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/15/12 18:55

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0258	0.0300	86	80-120	
4-Bromofluorobenzene	0.0249	0.0300	83	80-120	

Lab Batch #: 901056 **Sample:** 452514-004 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/15/12 19:11

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0263	0.0300	88	80-120	
4-Bromofluorobenzene	0.0300	0.0300	100	80-120	

Lab Batch #: 901056 **Sample:** 452514-005 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/15/12 19:28

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0290	0.0300	97	80-120	
4-Bromofluorobenzene	0.0295	0.0300	98	80-120	

Lab Batch #: 901056 **Sample:** 452514-006 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/15/12 19:44

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0296	0.0300	99	80-120	
4-Bromofluorobenzene	0.0269	0.0300	90	80-120	

Lab Batch #: 901056 **Sample:** 452514-007 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/15/12 20:00

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0293	0.0300	98	80-120	
4-Bromofluorobenzene	0.0334	0.0300	111	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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Buckeye Compressor

Work Orders : 452514,

Project ID: 073014

Lab Batch #: 901056 **Sample:** 452514-001 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/16/12 11:19

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0241	0.0300	80	80-120	
4-Bromofluorobenzene	0.0248	0.0300	83	80-120	

Lab Batch #: 901056 **Sample:** 452514-002 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/16/12 11:35

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0288	0.0300	96	80-120	
4-Bromofluorobenzene	0.0309	0.0300	103	80-120	

Lab Batch #: 901140 **Sample:** 452514-008 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/16/12 14:13

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0241	0.0300	80	80-120	
4-Bromofluorobenzene	0.0255	0.0300	85	80-120	

Lab Batch #: 901140 **Sample:** 452514-012 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/16/12 15:52

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0242	0.0300	81	80-120	
4-Bromofluorobenzene	0.0246	0.0300	82	80-120	

Lab Batch #: 901140 **Sample:** 452514-013 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/16/12 16:09

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0250	0.0300	83	80-120	
4-Bromofluorobenzene	0.0338	0.0300	113	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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Buckeye Compressor

Work Orders : 452514,

Project ID: 073014

Lab Batch #: 901140 **Sample:** 452514-014 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/16/12 16:26

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0259	0.0300	86	80-120	
4-Bromofluorobenzene	0.0303	0.0300	101	80-120	

Lab Batch #: 901140 **Sample:** 452514-015 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/16/12 16:43

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0273	0.0300	91	80-120	
4-Bromofluorobenzene	0.0285	0.0300	95	80-120	

Lab Batch #: 901140 **Sample:** 452514-016 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/16/12 16:59

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0293	0.0300	98	80-120	
4-Bromofluorobenzene	0.0301	0.0300	100	80-120	

Lab Batch #: 901140 **Sample:** 452514-017 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/16/12 17:15

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0329	0.0300	110	80-120	
4-Bromofluorobenzene	0.0276	0.0300	92	80-120	

Lab Batch #: 901140 **Sample:** 452514-010 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/16/12 19:27

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0267	0.0300	89	80-120	
4-Bromofluorobenzene	0.0252	0.0300	84	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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Buckeye Compressor

Work Orders : 452514,

Project ID: 073014

Lab Batch #: 901154 **Sample:** 452514-001 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/17/12 01:27

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	9.55	10.0	96	70-135	
o-Terphenyl	4.77	5.00	95	70-135	

Lab Batch #: 901154 **Sample:** 452514-002 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/17/12 02:00

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	8.49	10.0	85	70-135	
o-Terphenyl	4.22	5.00	84	70-135	

Lab Batch #: 901154 **Sample:** 452514-003 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/17/12 02:33

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	9.18	10.0	92	70-135	
o-Terphenyl	4.54	5.00	91	70-135	

Lab Batch #: 901154 **Sample:** 452514-004 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/17/12 03:06

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	9.53	10.0	95	70-135	
o-Terphenyl	4.72	5.00	94	70-135	

Lab Batch #: 901154 **Sample:** 452514-005 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/17/12 03:39

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	9.90	10.0	99	70-135	
o-Terphenyl	4.92	5.00	98	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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Buckeye Compressor

Work Orders : 452514,

Project ID: 073014

Lab Batch #: 901154 **Sample:** 452514-006 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/17/12 04:11

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	8.41	10.0	84	70-135	
o-Terphenyl	4.17	5.00	83	70-135	

Lab Batch #: 901154 **Sample:** 452514-007 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/17/12 04:44

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	9.59	10.0	96	70-135	
o-Terphenyl	4.77	5.00	95	70-135	

Lab Batch #: 901154 **Sample:** 452514-008 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/17/12 05:17

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	8.58	10.0	86	70-135	
o-Terphenyl	4.27	5.00	85	70-135	

Lab Batch #: 901154 **Sample:** 452514-009 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/17/12 05:49

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	8.99	10.0	90	70-135	
o-Terphenyl	4.48	5.00	90	70-135	

Lab Batch #: 901229 **Sample:** 452514-009 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/19/12 10:11

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0275	0.0300	92	80-120	
4-Bromofluorobenzene	0.0260	0.0300	87	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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Buckeye Compressor

Work Orders : 452514,

Project ID: 073014

Lab Batch #: 901229 **Sample:** 452514-011 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/19/12 10:28

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0284	0.0300	95	80-120	
4-Bromofluorobenzene	0.0252	0.0300	84	80-120	

Lab Batch #: 901229 **Sample:** 452514-026 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/19/12 10:45

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0279	0.0300	93	80-120	
4-Bromofluorobenzene	0.0254	0.0300	85	80-120	

Lab Batch #: 901240 **Sample:** 452514-010 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/19/12 12:42

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	9.58	10.0	96	70-135	
o-Terphenyl	4.90	5.00	98	70-135	

Lab Batch #: 901240 **Sample:** 452514-011 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/19/12 13:10

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	9.57	10.0	96	70-135	
o-Terphenyl	4.83	5.00	97	70-135	

Lab Batch #: 901240 **Sample:** 452514-012 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/19/12 13:44

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	9.05	10.0	91	70-135	
o-Terphenyl	4.43	5.00	89	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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Buckeye Compressor

Work Orders : 452514,

Project ID: 073014

Lab Batch #: 901240 **Sample:** 452514-013 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/19/12 14:14

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	9.04	10.0	90	70-135	
o-Terphenyl	4.51	5.00	90	70-135	

Lab Batch #: 901240 **Sample:** 452514-014 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/19/12 14:51

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	9.05	10.0	91	70-135	
o-Terphenyl	4.39	5.00	88	70-135	

Lab Batch #: 901240 **Sample:** 452514-015 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/19/12 15:23

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	9.01	10.0	90	70-135	
o-Terphenyl	4.36	5.00	87	70-135	

Lab Batch #: 901240 **Sample:** 452514-016 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/19/12 15:53

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	8.99	10.0	90	70-135	
o-Terphenyl	4.38	5.00	88	70-135	

Lab Batch #: 901240 **Sample:** 452514-017 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/19/12 16:21

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	8.85	10.0	89	70-135	
o-Terphenyl	4.42	5.00	88	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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Buckeye Compressor

Work Orders : 452514,

Project ID: 073014

Lab Batch #: 901229 **Sample:** 452514-019 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/19/12 16:45

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0249	0.0300	83	80-120	
4-Bromofluorobenzene	0.0284	0.0300	95	80-120	

Lab Batch #: 901240 **Sample:** 452514-018 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/19/12 16:55

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	9.39	10.0	94	70-135	
o-Terphenyl	4.69	5.00	94	70-135	

Lab Batch #: 901229 **Sample:** 452514-020 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/19/12 17:01

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0337	0.0300	112	80-120	
4-Bromofluorobenzene	0.0293	0.0300	98	80-120	

Lab Batch #: 901240 **Sample:** 452514-019 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/19/12 17:24

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	8.94	10.0	89	70-135	
o-Terphenyl	4.49	5.00	90	70-135	

Lab Batch #: 901229 **Sample:** 452514-018 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/19/12 17:35

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0328	0.0300	109	80-120	
4-Bromofluorobenzene	0.0276	0.0300	92	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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Buckeye Compressor

Work Orders : 452514,

Project ID: 073014

Lab Batch #: 901229 **Sample:** 452514-021 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/19/12 17:51

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0297	0.0300	99	80-120	
4-Bromofluorobenzene	0.0240	0.0300	80	80-120	

Lab Batch #: 901229 **Sample:** 452514-022 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/19/12 18:08

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0252	0.0300	84	80-120	
4-Bromofluorobenzene	0.0240	0.0300	80	80-120	

Lab Batch #: 901229 **Sample:** 452514-024 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/19/12 18:24

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0267	0.0300	89	80-120	
4-Bromofluorobenzene	0.0273	0.0300	91	80-120	

Lab Batch #: 901240 **Sample:** 452514-020 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/19/12 18:28

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	8.89	10.0	89	70-135	
o-Terphenyl	4.35	5.00	87	70-135	

Lab Batch #: 901229 **Sample:** 452514-025 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/19/12 18:41

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0240	0.0300	80	80-120	
4-Bromofluorobenzene	0.0317	0.0300	106	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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Buckeye Compressor

Work Orders : 452514,

Project ID: 073014

Lab Batch #: 901229 **Sample:** 452514-023 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/19/12 18:57

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0304	0.0300	101	80-120	
4-Bromofluorobenzene	0.0256	0.0300	85	80-120	

Lab Batch #: 901240 **Sample:** 452514-021 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/19/12 18:58

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	8.68	10.0	87	70-135	
o-Terphenyl	4.31	5.00	86	70-135	

Lab Batch #: 901240 **Sample:** 452514-022 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/19/12 19:34

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	8.42	10.0	84	70-135	
o-Terphenyl	4.14	5.00	83	70-135	

Lab Batch #: 901240 **Sample:** 452514-023 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/19/12 20:10

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	8.43	10.0	84	70-135	
o-Terphenyl	4.15	5.00	83	70-135	

Lab Batch #: 901240 **Sample:** 452514-024 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/19/12 20:46

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	8.83	10.0	88	70-135	
o-Terphenyl	4.36	5.00	87	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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Buckeye Compressor

Work Orders : 452514, **Project ID:** 073014

Lab Batch #: 901240 **Sample:** 452514-025 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/19/12 21:23

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	8.36	10.0	84	70-135	
o-Terphenyl	4.09	5.00	82	70-135	

Lab Batch #: 901056 **Sample:** 630030-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/15/12 15:54

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0284	0.0300	95	80-120	
4-Bromofluorobenzene	0.0284	0.0300	95	80-120	

Lab Batch #: 901140 **Sample:** 630109-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/16/12 13:56

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0278	0.0300	93	80-120	
4-Bromofluorobenzene	0.0284	0.0300	95	80-120	

Lab Batch #: 901154 **Sample:** 630114-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/16/12 17:59

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	9.72	10.0	97	70-135	
o-Terphenyl	4.83	5.00	97	70-135	

Lab Batch #: 901229 **Sample:** 630163-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/19/12 09:55

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0283	0.0300	94	80-120	
4-Bromofluorobenzene	0.0321	0.0300	107	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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Buckeye Compressor

Work Orders : 452514,

Project ID: 073014

Lab Batch #: 901240 **Sample:** 630137-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/19/12 12:12

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	9.08	10.0	91	70-135	
o-Terphenyl	4.53	5.00	91	70-135	

Lab Batch #: 901056 **Sample:** 630030-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/15/12 14:31

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0340	0.0300	113	80-120	
4-Bromofluorobenzene	0.0294	0.0300	98	80-120	

Lab Batch #: 901140 **Sample:** 630109-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/16/12 13:23

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0254	0.0300	85	80-120	
4-Bromofluorobenzene	0.0278	0.0300	93	80-120	

Lab Batch #: 901154 **Sample:** 630114-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/16/12 16:49

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	10.1	10.0	101	70-135	
o-Terphenyl	5.58	5.00	112	70-135	

Lab Batch #: 901229 **Sample:** 630163-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/19/12 09:22

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0312	0.0300	104	80-120	
4-Bromofluorobenzene	0.0333	0.0300	111	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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Buckeye Compressor

Work Orders : 452514, **Project ID:** 073014

Lab Batch #: 901240 **Sample:** 630137-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/19/12 11:07

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	9.56	10.0	96	70-135	
o-Terphenyl	5.92	5.00	118	70-135	

Lab Batch #: 901056 **Sample:** 630030-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/15/12 16:27

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0303	0.0300	101	80-120	
4-Bromofluorobenzene	0.0270	0.0300	90	80-120	

Lab Batch #: 901140 **Sample:** 630109-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/16/12 13:40

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0272	0.0300	91	80-120	
4-Bromofluorobenzene	0.0325	0.0300	108	80-120	

Lab Batch #: 901154 **Sample:** 630114-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/16/12 17:25

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	9.41	10.0	94	70-135	
o-Terphenyl	5.54	5.00	111	70-135	

Lab Batch #: 901229 **Sample:** 630163-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/19/12 09:39

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0345	0.0300	115	80-120	
4-Bromofluorobenzene	0.0333	0.0300	111	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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Buckeye Compressor

Work Orders : 452514,

Project ID: 073014

Lab Batch #: 901240 **Sample:** 630137-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/19/12 11:36

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	10.1	10.0	101	70-135	
o-Terphenyl	5.89	5.00	118	70-135	

Lab Batch #: 901056 **Sample:** 452403-001 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/15/12 20:17

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0329	0.0300	110	80-120	
4-Bromofluorobenzene	0.0320	0.0300	107	80-120	

Lab Batch #: 901140 **Sample:** 452514-008 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/16/12 14:30

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0262	0.0300	87	80-120	
4-Bromofluorobenzene	0.0327	0.0300	109	80-120	

Lab Batch #: 901154 **Sample:** 452349-001 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/17/12 06:20

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	11.2	10.0	112	70-135	
o-Terphenyl	6.31	5.00	126	70-135	

Lab Batch #: 901229 **Sample:** 452514-009 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/19/12 15:39

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0279	0.0300	93	80-120	
4-Bromofluorobenzene	0.0303	0.0300	101	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.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Buckeye Compressor

Work Orders : 452514,

Project ID: 073014

Lab Batch #: 901240 **Sample:** 452514-012 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/19/12 22:34

TPH By SW8015B Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	9.88	10.0	99	70-135	
o-Terphenyl	5.39	5.00	108	70-135	

Lab Batch #: 901056 **Sample:** 452403-001 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/15/12 20:34

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0241	0.0300	80	80-120	
4-Bromofluorobenzene	0.0259	0.0300	86	80-120	

Lab Batch #: 901140 **Sample:** 452514-008 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/16/12 14:46

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0315	0.0300	105	80-120	
4-Bromofluorobenzene	0.0314	0.0300	105	80-120	

Lab Batch #: 901229 **Sample:** 452514-009 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 11/19/12 15:56

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0283	0.0300	94	80-120	
4-Bromofluorobenzene	0.0325	0.0300	108	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.

XENCO Laboratories

BS / BSD Recoveries

Project Name: Buckeye Compressor

Work Order #: 452514 **Project ID:** 073014

Analyst: KEB **Date Prepared:** 11/15/2012 **Date Analyzed:** 11/15/2012

Lab Batch ID: 901056 **Sample:** 630030-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	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
Benzene	<0.00100	0.100	0.111	111	0.100	0.106	106	5	70-125	25	
Toluene	<0.00200	0.100	0.118	118	0.100	0.110	110	7	70-125	25	
Ethylbenzene	<0.00100	0.100	0.114	114	0.100	0.105	105	8	71-129	25	
m,p-Xylenes	<0.00200	0.200	0.238	119	0.200	0.223	112	7	70-131	25	
o-Xylene	<0.00100	0.100	0.111	111	0.100	0.109	109	2	71-133	25	

Analyst: KEB **Date Prepared:** 11/16/2012 **Date Analyzed:** 11/16/2012

Lab Batch ID: 901140 **Sample:** 630109-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	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
Benzene	<0.00100	0.100	0.0865	87	0.100	0.100	100	14	70-125	25	
Toluene	<0.00200	0.100	0.0947	95	0.100	0.108	108	13	70-125	25	
Ethylbenzene	<0.00100	0.100	0.0872	87	0.100	0.0988	99	12	71-129	25	
m,p-Xylenes	<0.00200	0.200	0.178	89	0.200	0.203	102	13	70-131	25	
o-Xylene	<0.00100	0.100	0.0918	92	0.100	0.104	104	12	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

BS / BSD Recoveries

Project Name: Buckeye Compressor

Work Order #: 452514 **Project ID:** 073014

Analyst: KEB **Date Prepared:** 11/19/2012 **Date Analyzed:** 11/19/2012

Lab Batch ID: 901229 **Sample:** 630163-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	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
Benzene	<0.00100	0.100	0.104	104	0.100	0.116	116	11	70-125	25	
Toluene	<0.00200	0.100	0.113	113	0.100	0.121	121	7	70-125	25	
Ethylbenzene	<0.00100	0.100	0.103	103	0.100	0.113	113	9	71-129	25	
m,p-Xylenes	<0.00200	0.200	0.216	108	0.200	0.236	118	9	70-131	25	
o-Xylene	<0.00100	0.100	0.112	112	0.100	0.120	120	7	71-133	25	

Analyst: TTE **Date Prepared:** 11/15/2012 **Date Analyzed:** 11/15/2012

Lab Batch ID: 901047 **Sample:** 630051-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	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
Chloride	<0.500	50.0	50.2	100	50.0	50.0	100	0	80-120	20	

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

BS / BSD Recoveries

Project Name: Buckeye Compressor

Work Order #: 452514 **Project ID:** 073014

Analyst: TTE **Date Prepared:** 11/15/2012 **Date Analyzed:** 11/15/2012

Lab Batch ID: 901046 **Sample:** 630053-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	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
Chloride	<0.500	50.0	47.2	94	50.0	47.2	94	0	80-120	20	

Analyst: KEB **Date Prepared:** 11/16/2012 **Date Analyzed:** 11/16/2012

Lab Batch ID: 901154 **Sample:** 630114-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015B Mod Analytes	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
C12-C28 Diesel Range Hydrocarbons	<2.50	100	99.8	100	100	94.5	95	5	70-135	25	
C6-C10 Gasoline Range Hydrocarbons	<2.50	100	101	101	100	94.5	95	7	70-135	25	

Analyst: KEB **Date Prepared:** 11/19/2012 **Date Analyzed:** 11/19/2012

Lab Batch ID: 901240 **Sample:** 630137-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015B Mod Analytes	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
C6-C10 Gasoline Range Hydrocarbons	<1.50	100	103	103	100	97.5	98	5	70-135	25	
C12-C28 Diesel Range Hydrocarbons	<1.50	100	101	101	100	101	101	0	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

XENCO Laboratories

Form 3 - MS Recoveries

Project Name: Buckeye Compressor

Work Order #: 452514

Lab Batch #: 901046 **Project ID:** 073014

Date Analyzed: 11/15/2012 **Date Prepared:** 11/15/2012 **Analyst:** TTE

QC- Sample ID: 452507-003 S **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

Inorganic Anions by EPA 300	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	152	100	251	99	80-120	

Lab Batch #: 901046

Date Analyzed: 11/15/2012 **Date Prepared:** 11/15/2012 **Analyst:** TTE

QC- Sample ID: 452509-005 S **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

Inorganic Anions by EPA 300	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	239	100	328	89	80-120	

Lab Batch #: 901047

Date Analyzed: 11/16/2012 **Date Prepared:** 11/16/2012 **Analyst:** TTE

QC- Sample ID: 452514-008 S **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

Inorganic Anions by EPA 300	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	13.3	500	514	100	80-120	

Lab Batch #: 901047

Date Analyzed: 11/16/2012 **Date Prepared:** 11/16/2012 **Analyst:** TTE

QC- Sample ID: 452514-025 S **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

Inorganic Anions by EPA 300	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	38.5	500	544	101	80-120	

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

BRL - Below Reporting Limit

XENCO Laboratories

Form 3 - MS Recoveries

Project Name: Buckeye Compressor

Work Order #: 452514

Lab Batch #: 901154 **Project ID:** 073014

Date Analyzed: 11/17/2012 **Date Prepared:** 11/16/2012 **Analyst:** KEB

QC- Sample ID: 452349-001 S **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

TPH by SW 8015B	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
C6-C10 Gasoline Range Hydrocarbons	<2.50	100	119	119	70-135	
C12-C28 Diesel Range Hydrocarbons	<2.50	100	123	123	70-135	

Lab Batch #: 901240

Date Analyzed: 11/19/2012 **Date Prepared:** 11/19/2012 **Analyst:** KEB

QC- Sample ID: 452514-012 S **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

TPH by SW 8015B	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
C6-C10 Gasoline Range Hydrocarbons	<1.50	100	85.8	86	70-135	
C12-C28 Diesel Range Hydrocarbons	<1.50	100	87.9	88	70-135	

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

BRL - Below Reporting Limit

XENCO Laboratories

Form 3 - MS / MSD Recoveries

Project Name: Buckeye Compressor

Work Order # : 452514 **Project ID:** 073014

Lab Batch ID: 901056 **QC- Sample ID:** 452403-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 11/15/2012 **Date Prepared:** 11/15/2012 **Analyst:** KEB

Reporting Units: mg/L

BTEX by EPA 8021B Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	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	0.115	115	0.100	0.0904	90	24	70-125	25	
Toluene	<0.00200	0.100	0.113	113	0.100	0.0955	96	17	70-125	25	
Ethylbenzene	<0.00100	0.100	0.110	110	0.100	0.0899	90	20	71-129	25	
m,p-Xylenes	<0.00200	0.200	0.228	114	0.200	0.188	94	19	70-131	25	
o-Xylene	<0.00100	0.100	0.109	109	0.100	0.0907	91	18	71-133	25	

Lab Batch ID: 901140 **QC- Sample ID:** 452514-008 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 11/16/2012 **Date Prepared:** 11/16/2012 **Analyst:** KEB

Reporting Units: mg/L

BTEX by EPA 8021B Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	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	0.0912	91	0.100	0.0953	95	4	70-125	25	
Toluene	<0.00200	0.100	0.0995	100	0.100	0.0968	97	3	70-125	25	
Ethylbenzene	<0.00100	0.100	0.0920	92	0.100	0.0931	93	1	71-129	25	
m,p-Xylenes	<0.00200	0.200	0.188	94	0.200	0.193	97	3	70-131	25	
o-Xylene	<0.00100	0.100	0.0966	97	0.100	0.0985	99	2	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

Form 3 - MS / MSD Recoveries

Project Name: Buckeye Compressor

Work Order # : 452514 **Project ID:** 073014

Lab Batch ID: 901229 **QC- Sample ID:** 452514-009 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 11/19/2012 **Date Prepared:** 11/19/2012 **Analyst:** KEB

Reporting Units: mg/L

BTEX by EPA 8021B Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	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	0.108	108	0.100	0.107	107	1	70-125	25	
Toluene	<0.00200	0.100	0.114	114	0.100	0.114	114	0	70-125	25	
Ethylbenzene	<0.00100	0.100	0.106	106	0.100	0.104	104	2	71-129	25	
m,p-Xylenes	<0.00200	0.200	0.224	112	0.200	0.217	109	3	70-131	25	
o-Xylene	<0.00100	0.100	0.113	113	0.100	0.110	110	3	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

ANALYSIS REQUEST & CHAIN OF CUSTODY RECORD

XENCO Laboratories

☐ 4143 Greenbriar Drive, Stafford, TX 77477 **281-240-4200**
☐ 5332, Blackberry Drive, San Antonio, TX 78238 **210-509-3334**
☐ 9701 Harry Hines Blvd., Dallas, TX 75220 **214-902-0300**
☐ 12600 West I-20 East, Odessa, TX 79765 **432-563-1800**

Serial #: 328096 Page 1 of 3

Company-City CRA-Midland **Phone** 432-686-0086

Lab Only: 452514

Project Name-Location Buchanan Compressor 073014 ☐ Previously done at XENCO **Project ID**

TAT: ASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d Standard TAT is project specific.
It is typically 5-7 Working Days for level II and 10+ Working days for level III and IV data.

Proj. State: TX, AL, FL, GA, LA, MS, NC, NJ, PA, SC, TN, UT Other

Proj. Manager (PM) John Schmoble

E-mail Results to JSchmoble@craworld.com ☑ PM and **Fax No:** 432-686-0186

Invoice to ☐ Accounting ☐ Inc. Invoice with Final Report ☐ Invoice must have a P.O.
Bill to:

Quote/Pricing: **P.O. No:** ☐ Call for P.O.

Reg Program: UST DRY-CLEAN Land-Fill Waste-Disp NPDES DW **TRRP**

QAPP Per-Contract CLP AGCEE NAVY DOE DOD USACE OTHER:

Special DLs (GW DW QAPP MDLs RLs See Lab PM Included Call PM)

Sampler Name Justin Nixon **Signature** Justin Nixon

#	Sample ID	Sampling Date	Time	Depth ft' in" m	Matrix	Composite	Grab	# Containers	Container Size	Container Type	Preservatives	VOA: Full-List BTEX-MTBE EtOH Oxyg VOHs VOAs	VOA: PP TCL DW Appdx-1 Appdx-2 CALL Other:	PAHs SIM 8310 8270	TX-1005 DRO GRO MA EPH MA VPH	SVOCs: Full-List DW BN&AE TCLP PP Appdx-2 CALL	OC Pesticides PCBs Herbicides OP Pesticides	Metals: RCRA-8 RCRA-4 Pb 13PP 23TAL Appdx 1 Appdx2	SPLP - TCLP (Metals VOCs SVOCs Pest. Herb. PCBs)	EDB / DBCP	BTEX 8021B	TPH DRO-GRO 8015B	Cl- 300.0	TATASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d	Addn: PAH above mg/L W, mg/Kg S Highest Hit	Hold Samples (Surcharges will apply and are pre-approved)	Sample Clean-ups are pre-approved as needed	Addn: Date Rcv. by: From:	#
(1)	Dup2 110712	11-7-12	—		W		X	4		G	4C										X	X	X	no container for chloride -SS					1
2	MW23 110812	11-8-12	1055		W		X	5			HCl																			2
3	MW22 110812	11-8-12	1215		W		X	5			HCl																			3
4	MW15 110812	11-8-12	1305					5																						4
5	MW5 110812	11-8-12	1355					5																						5
6	MW21 110812	11-8-12	1535					5																						6
7	MW10 110812	11-8-12	1650					5																						7
8	MW20 110912	11-9-12	0900					5																						8
9	MW24 110912	11-9-12	1045					5																						9
10	MW1 110912	11-9-12	1255					5																						10

Relinquished by (Initials and Sign)	Date & Time	Relinquished to (Initials and Sign)	Date & Time
1) Justin Nixon	11-14-12 1300	2) Buttons Lee	11-14-12 1300
3) Buttons Lee	11-14-12 1415	4) [illegible]	11-14-12 1515
5)		6)	

Total Containers per COC: 49 Cooler Temp: 4.5 °C

Otherwise agreed on writing. Reports are the Intellectual Property of XENCO until paid. Samples will be held 30 days after final report is e-mailed unless hereby requested. Rush Charges and Collection Fees are pre-approved if needed.

Preservatives: Various (**V**), HCl pH<2 (**H**), H2SO4 pH<2 (**S**), HNO3 pH<2 (**N**), Asbc Acid&NaOH (**A**), ZnAc&NaOH (**Z**), (Cool, <4C) (**C**), None (**NA**),See Label (**L**), Other (**O**) _____
Cont. Size: 4oz (**4**), 8oz (**8**), 32oz (**32**), 40ml VOA (**40**), 1L (**1**), 500ml (**5**), Tedlar Bag (**B**), Various (**V**), Other _____ **Cont. Type:** Glass Amb (**A**), Glass Clear (**C**), Plastic (**P**), Various (**V**)

Matrix: Air (**A**), Product (**P**), Solid (**S**), Water (**W**), Liquid (**L**)

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Serial #: 328095 Page 2 of 3

Company-City CRA - Midland **Phone** (432)686-0086

Lab Only: 452514

Project Name-Location ☐ Previously done at XENCO **Project ID**

TAT: ASAP 5h 12h 24h 48h 3d 5d (7d) 10d 21d Standard TAT is project specific.
It is typically 5-7 Working Days for level II and 10+ Working days for level III and IV data.

Proj. State: TX, AL, FL, GA, LA, MS, NC, NJ, PA, SC, TN, UT Other

Proj. Manager (PM) John Schnabe

E-mail Results to ☒ PM and JSchnabe@craworld.com **Fax No:** 432-686-0186

Invoice to ☐ Accounting ☐ Inc. Invoice with Final Report ☐ Invoice must have a P.O.
Bill to:

Quote/Pricing: **P.O. No:** ☐ Call for P.O.

Reg Program: UST DRY-CLEAN Land-Fill Waste-Disp NPDES DW **TRRP**

QAPP Per-Contract CLP AGCEE NAVY DOE DOD USACE OTHER:

Special DLs (GW DW QAPP MDLs RLs See Lab PM Included Call PM)

Sampler Name Justin Nixon **Signature** Justin Nixon

	Sample ID	Sampling Date	Time	Depth ft' In" m	Matrix	Composite	Grab	# Containers	Container Size	Container Type	Preservatives
1	TW20 110612	11-6-12	1615		W		X	5			HCl
2	TW11 110612	11-6-12	1730		W		X	5			HCl
3	Dup1 110612	11-6-12	—		W		X	4			HCl
4	TW13 110712	11-7-12	~~0945~~		W		X	5			HCl
5	mw13	11-7-12	1155					5			HCl
6	mw18		1050					5			
7	mw14		1245					5			
8	mw24		1330					5			
9	mw16		1425					5			
10	mw17		1520					5			

VOA: Full-List BTEX-MTBE EtOH Oxyg VOHs VOAs
VOA: PP TCL DW Appdx-1 Appdx-2 CALL Other:
PAHs SIM 8310 8270
TX-1005 DRO GRO MA EPH MA VPH
SVOCs: Full-List DW BN&AE TCLP PP Appdx-2 CALL
OC Pesticides PCBs Herbicides OP Pesticides
Metals: RCRA-8 RCRA-4 Pb 13PP 23TAL Appdx 1 Appdx2
SPLP - TCLP (Metals VOCs SVOCs Pest. Herb. PCBs)
EDB / DBCP

BTEX 8021B
TPH GRO-DRO 8015B
Cl - 300.0

TAT ASAP 5h 12h 24h 48h 3d 5d (7d) 10d 21d
Addn: PAH above mg/L W, mg/Kg S Highest Hit
Hold Samples (Surcharges will apply and are pre-approved)

Remarks

Sample Clean-ups are pre-approved as needed

Addn: Date Rcv. by: From:

(3) No container for chloride - SS

Relinquished by (Initials and Sign)	Date & Time	Relinquished to (Initials and Sign)	Date & Time
1) Justin Nixon	11.14.12 1300	2) Bellwether	11-14-12 1300
3) Bellwether	11.14.12 1415	4) [illegible]	11-14-12 1515
5)		6)	

Total Containers per COC: 49 Cooler Temp: 4.5 °C

Otherwise agreed on writing. Reports are the Intellectual Property of XENCO until paid. Samples will be held 30 days after final report is e-mailed unless hereby requested. Rush Charges and Collection Fees are pre-approved if needed.

Preservatives: Various (**V**), HCl pH<2 (**H**), H2SO4 pH<2 (**S**), HNO3 pH<2 (**N**), Asbc Acid&NaOH (**A**), ZnAc&NaOH (**Z**), (Cool, <4C) (**C**), None (**NA**),See Label (**L**), Other (**O**) _____
Cont. Size: 4oz (**4**), 8oz (**8**), 32oz (**32**), 40ml VOA (**40**), 1L (**1**), 500ml (**5**), Tedlar Bag (**B**), Various (**V**), Other _____ **Cont. Type:** Glass Amb (**A**), Glass Clear (**C**), Plastic (**P**), Various (**V**)

Matrix: Air (**A**), Product (**P**), Solid (**S**), Water (**W**), Liquid (**L**)

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ANALYSIS REQUEST & CHAIN OF CUSTODY RECORD

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☐ 5332, Blackberry Drive, San Antonio, TX 78238 **210-509-3334** ☐ 12600 West I-20 East, Odessa, TX 79765 **432-563-1800**

Serial #: 328099 Page 3 of 3

Company-City CRA - Midland **Phone** 432-686-0086

Lab Only: 452514

Project Name-Location Buckeye Compressor ☐ Previously done at XENCO **Project ID** 073014

TAT: ASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d Standard TAT is project specific.
It is typically 5-7 Working Days for level II and 10+ Working days for level III and IV data.

Proj. State: TX, AL, FL, GA, LA, MS, NC, NJ, PA, SC, TN, UT Other **Proj. Manager (PM)** John Schmable

E-mail Results to ☒ PM and JSchmable@crawold.com **Fax No:** 432-686-0186

Invoice to ☐ Accounting ☐ Inc. Invoice with Final Report ☐ Invoice must have a P.O.
Bill to:

Quote/Pricing: **P.O. No:** ☐ Call for P.O.

Reg Program: UST DRY-CLEAN Land-Fill Waste-Disp NPDES DW **TRRP**

QAPP Per-Contract CLP AGCEE NAVY DOE DOD USACE OTHER:

Special DLs (GW DW QAPP MDLs RLs See Lab PM Included Call PM)

Sampler Name Justin Nixon **Signature** Justin Nixon

	Sample ID	Sampling Date	Time	Depth ft' In" m	Matrix	Composite	Grab	# Containers	Container Size	Container Type	Preservatives
1	MW2 111212	11-12-12	1145		W		X	5			HCl
2	MW3 111212	11-12-12	1230		W		X	5			HCl
3	MW6 111212	11-12-12	1315		W		X	5			HCl
4	MW7 111212	11-12-12	1355		W		X	5			HCl
5	MW12 111212	11-12-12	1500		W		X	5			HCl
6											
7											
8											
9											
10											

	VOA: Full-List BTEX-MTBE EtOH Oxyg VOHs VOAs	VOA: PP TCL DW Appdx-1 Appdx-2 CALL Other:	PAHs SIM 8310 8270	TX-1005 DRO GRO MA EPH MA VPH	SVOCs: Full-List DW BN&AE TCLP PP Appdx-2 CALL	OC Pesticides PCBs Herbicides OP Pesticides	Metals: RCRA-8 RCRA-4 Pb 13PP 23TAL Appdx 1 Appdx2	SPLP - TCLP (Metals VOCs SVOCs Pest. Herb. PCBs)	EDB / DBCP	TATASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d	Addn: PAH above mg/L W, mg/Kg S Highest Hit	Hold Samples (Surcharges will apply and are pre-approved)	Sample Clean-ups are pre-approved as needed	Addn: Date Rcv. by: From:
1														1
2														2
3														3
4														4
5														5
6														6
7														7
8														8
9														9
10														10

X BTEX 8021B
X THP GRO-DRO 8015B
X Cl - 300.0

Relinquished by (Initials and Sign)	Date & Time	Relinquished to (Initials and Sign)	Date & Time
1)	11.14.12 1300	2)	11-14-12 1300
3)	11-14-12 1415	4)	11-14-12 1515
5)		6)	

Total Containers per COC: 25 Cooler Temp: 4.5 °C

Otherwise agreed on writing. Reports are the Intellectual Property of XENCO until paid. Samples will be held 30 days after final report is e-mailed unless hereby requested. Rush Charges and Collection Fees are pre-approved if needed.

Preservatives: Various (**V**), HCl pH<2 (**H**), H2SO4 pH<2 (**S**), HNO3 pH<2 (**N**), Asbc Acid&NaOH (**A**), ZnAc&NaOH (**Z**), (Cool, <4C) (**C**), None (**NA**),See Label (**L**), Other (**O**) _____
Cont. Size: 4oz (**4**), 8oz (**8**), 32oz (**32**), 40ml VOA (**40**), 1L (**1**), 500ml (**5**), Tedlar Bag (**B**), Various (**V**), Other _____ **Cont. Type:** Glass Amb (**A**), Glass Clear (**C**), Plastic (**P**), Various (**V**)

Matrix: Air (**A**), Product (**P**), Solid (**S**), Water (**W**), Liquid (**L**)

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XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Conestoga Rovers & Associates

Date/ Time Received: 11/14/2012 03:15:00 PM

Work Order #: 452514

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used :

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	4.5
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	Yes
#5 Custody Seals intact on sample bottles?	Yes
#6 *Custody Seals Signed and dated?	Yes
#7 *Chain of Custody present?	Yes
#8 Sample instructions complete on Chain of Custody?	Yes
#9 Any missing/extra samples?	No
#10 Chain of Custody signed when relinquished/ received?	Yes
#11 Chain of Custody agrees with sample label(s)?	Yes
#12 Container label(s) legible and intact?	Yes
#13 Sample matrix/ properties agree with Chain of Custody?	Yes
#14 Samples in proper container/ bottle?	Yes
#15 Samples properly preserved?	Yes
#16 Sample container(s) intact?	Yes
#17 Sufficient sample amount for indicated test(s)?	Yes
#18 All samples received within hold time?	Yes
#19 Subcontract of sample(s)?	Yes
#20 VOC samples have zero headspace (less than 1/4 inch bubble)?	Yes
#21 <2 for all samples preserved with HNO3,HCL, H2SO4?	Yes
#22 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	Yes

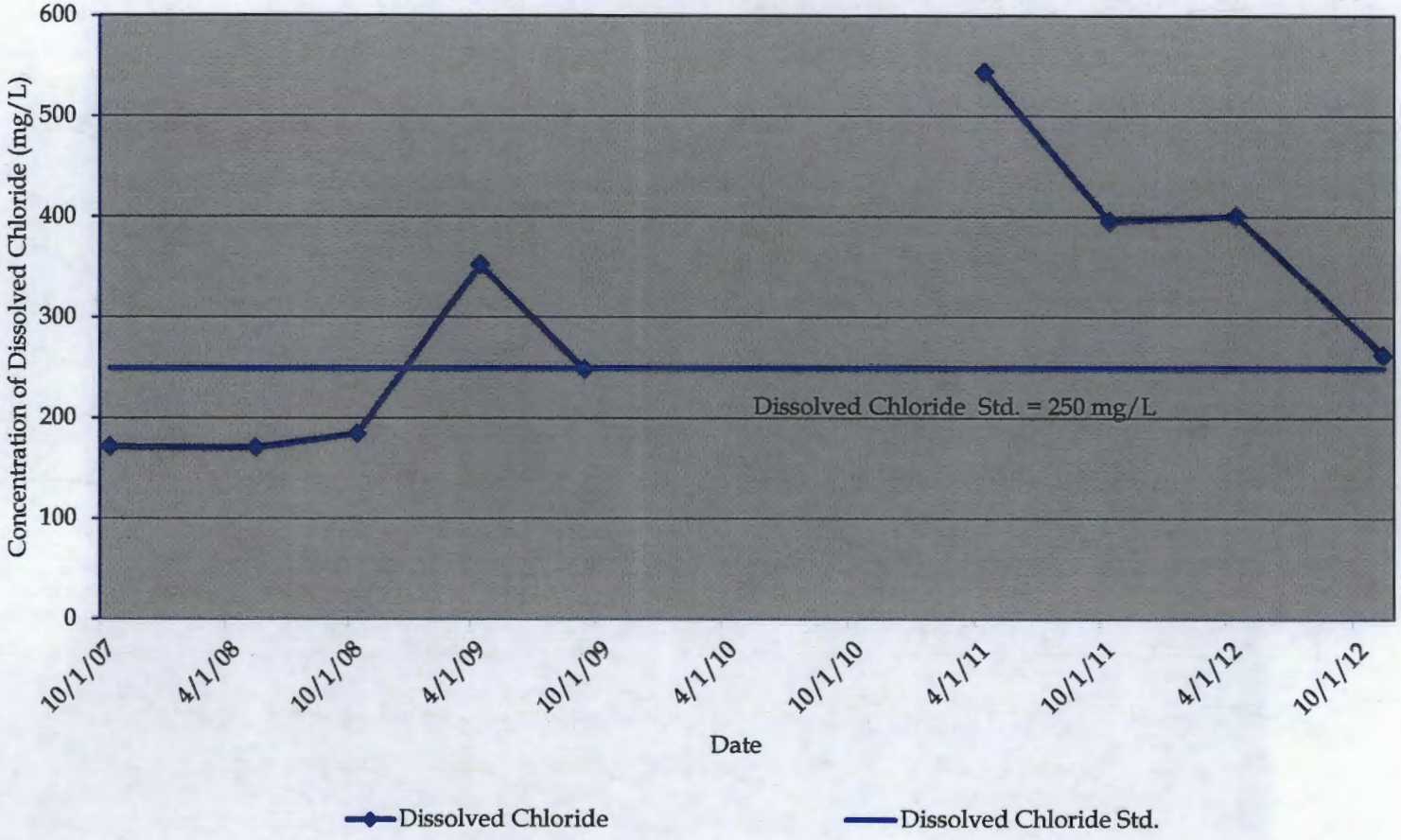
*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst:	PH Device/Lot#:

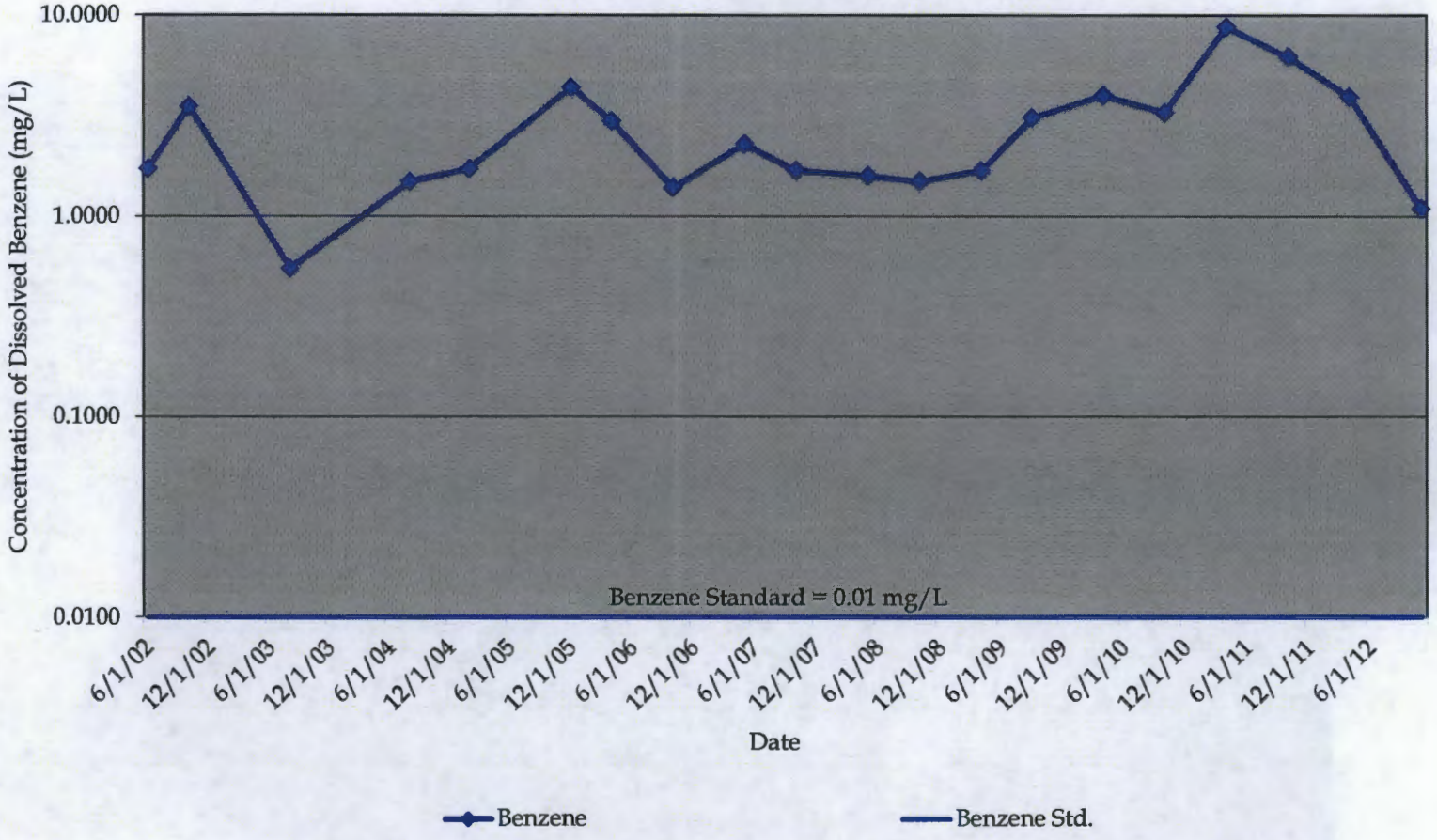
Checklist completed by: _____ Date: _____

Checklist reviewed by: _____ Date: _____

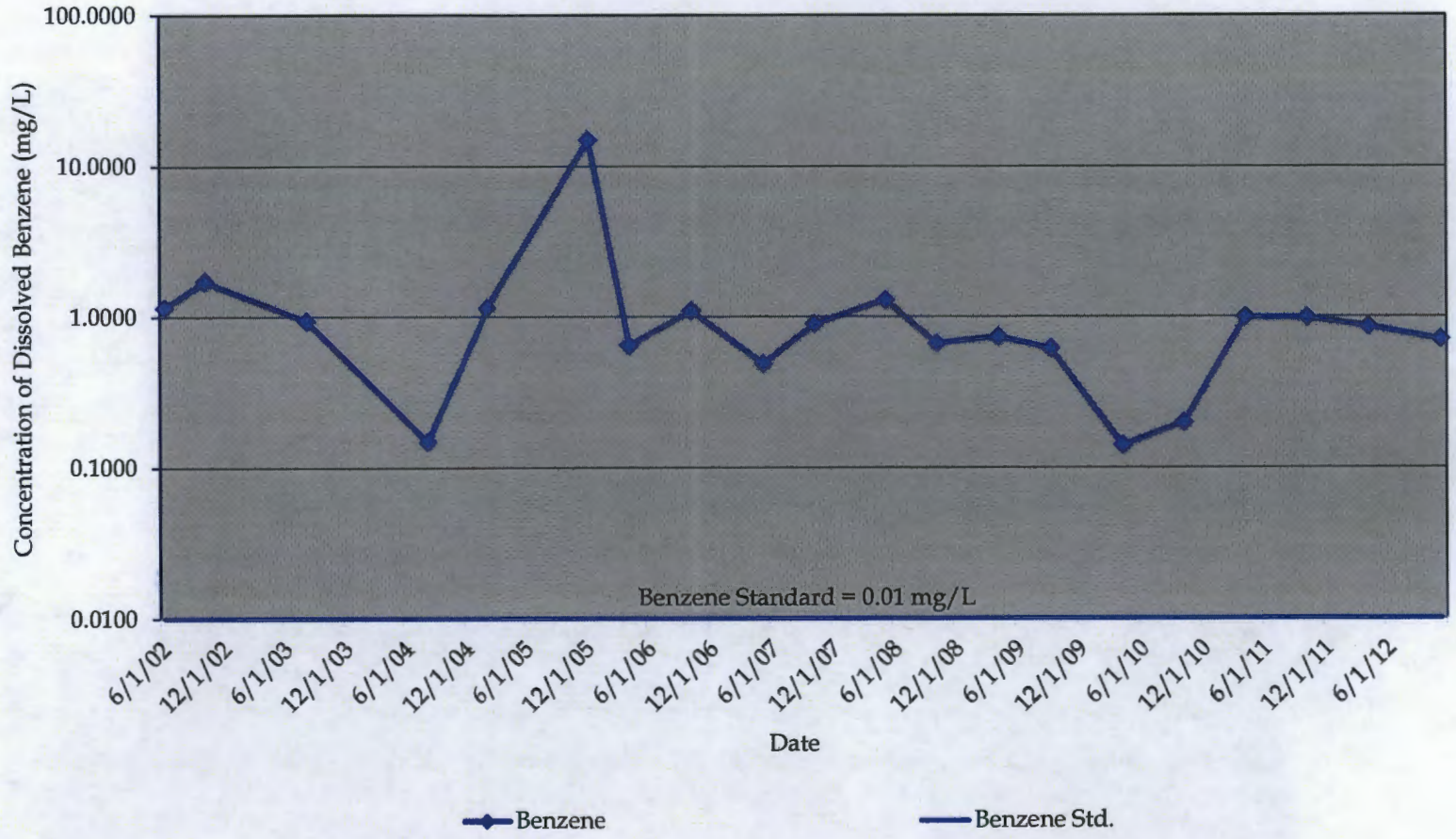
Chevron Enviromental Management Company
Buckeye Compressor Station
Section 36-T17S-R34E, Lea County, NM
Dissolved Chloride in Groundwater
MW-22



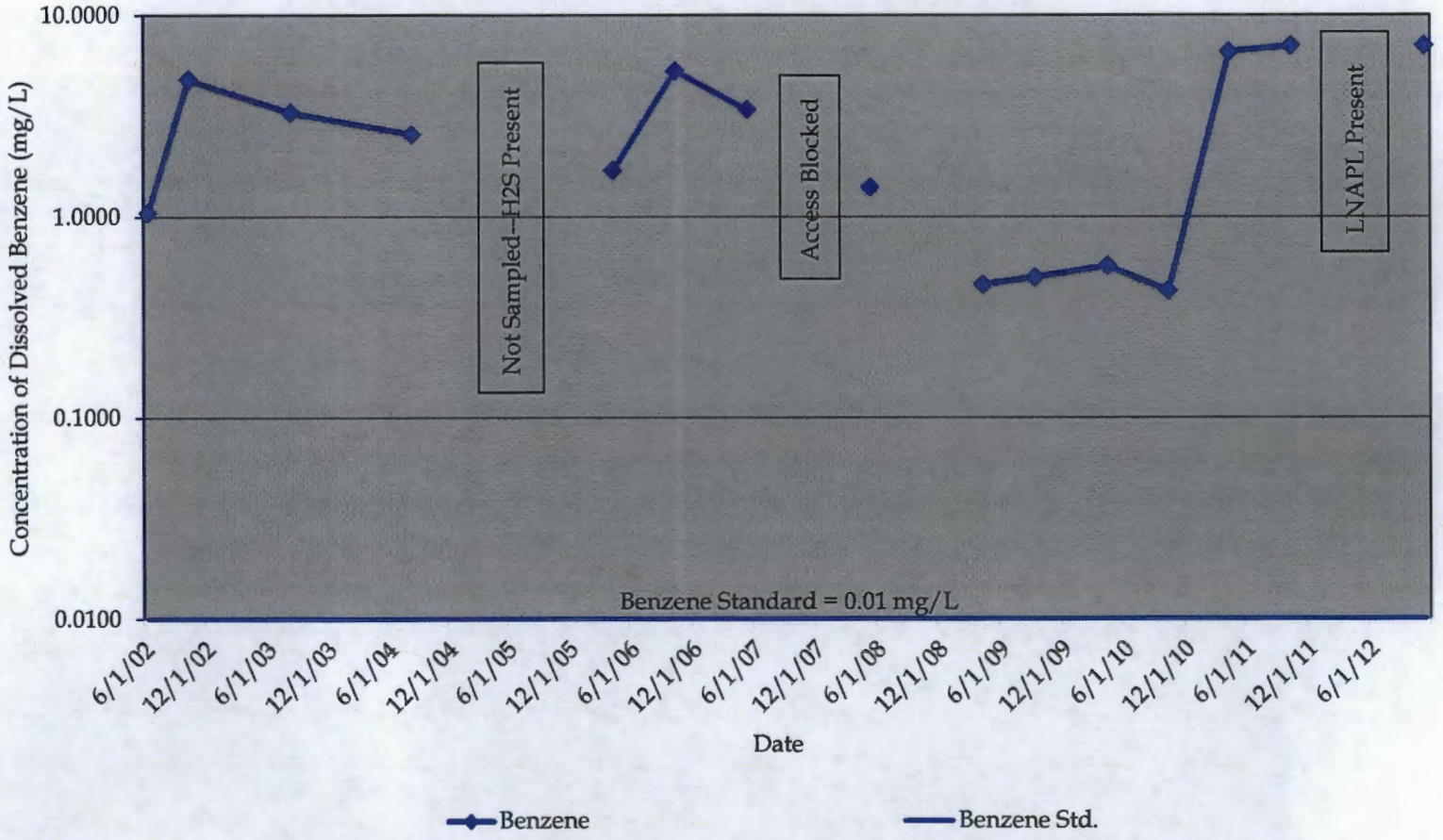
Chevron Enviromental Management Company
Buckeye Compressor Station
Section 36-T17S-R34E, Lea County, NM
Dissolved Benzene in Groundwater
MW-1



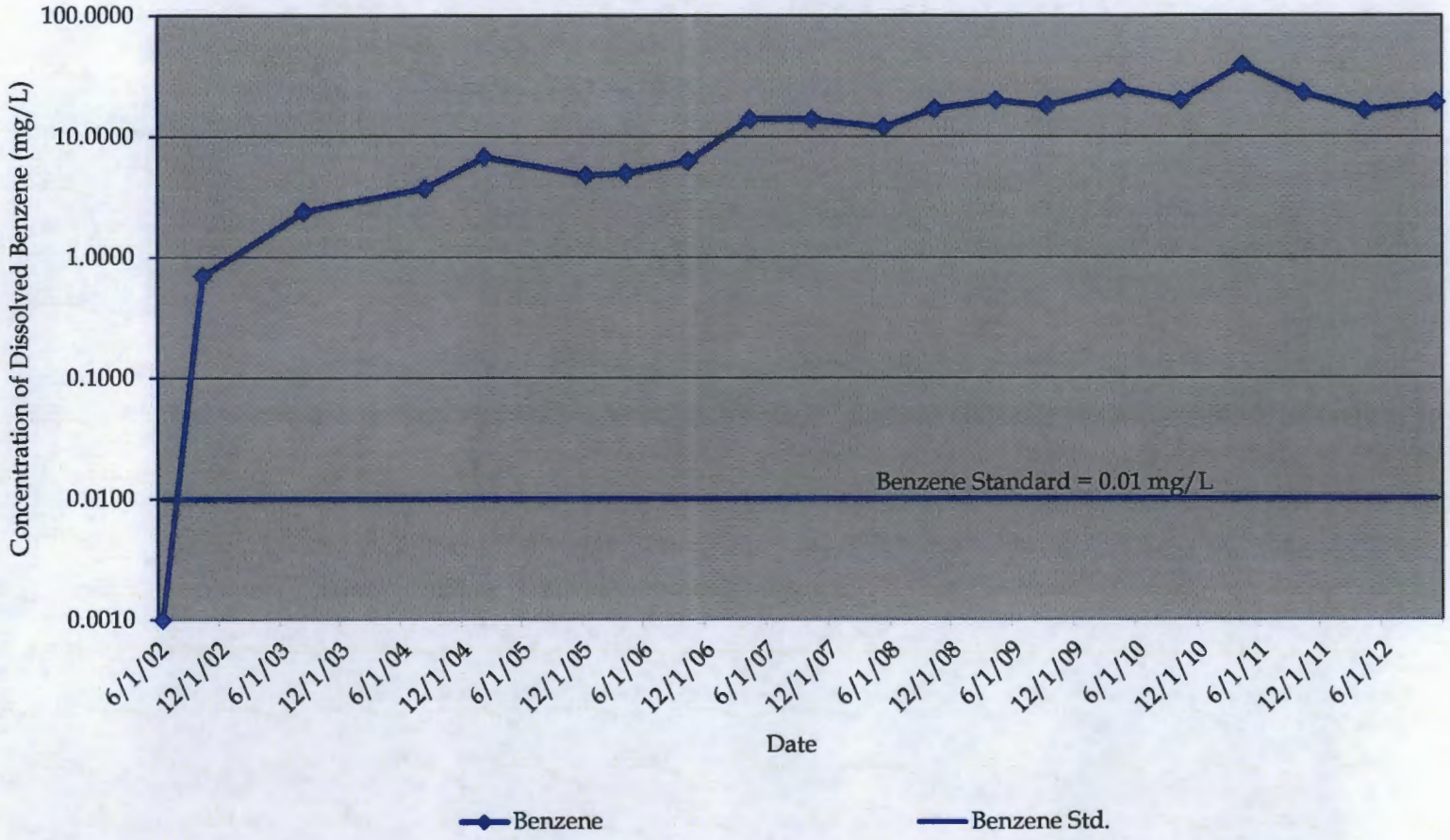
Chevron Enviromental Management Company
Buckeye Compressor Station
Section 36-T17S-R34E, Lea County, NM
Dissolved Benzene in Groundwater
MW-2



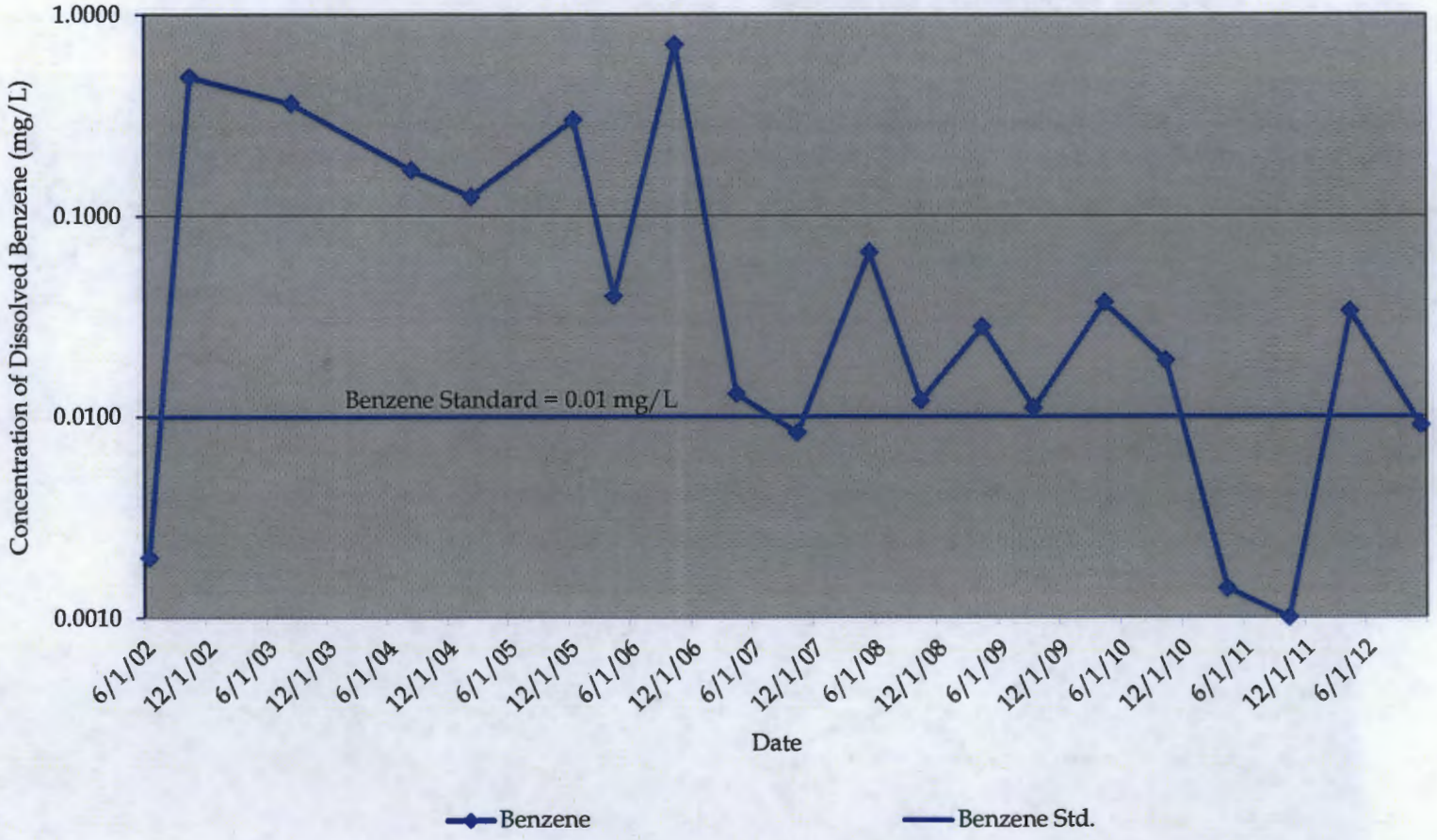
Chevron Enviromental Management Company
Buckeye Compressor Station
Section 36-T17S-R34E, Lea County, NM
Dissolved Benzene in Groundwater
MW-3



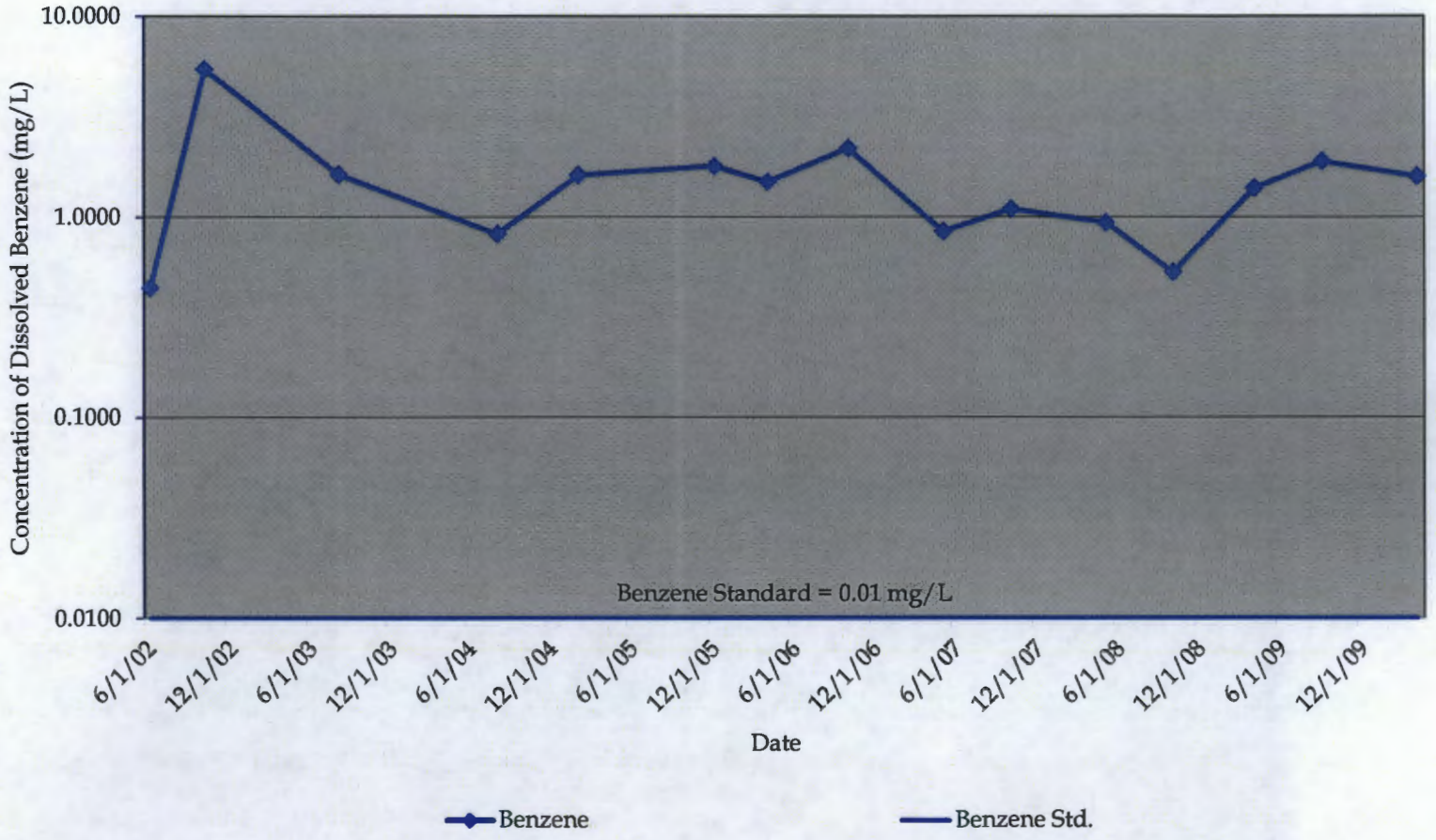
Chevron Enviromental Management Company
Buckeye Compressor Station
Section 36-T17S-R34E, Lea County, NM
Dissolved Benzene in Groundwater
MW-4



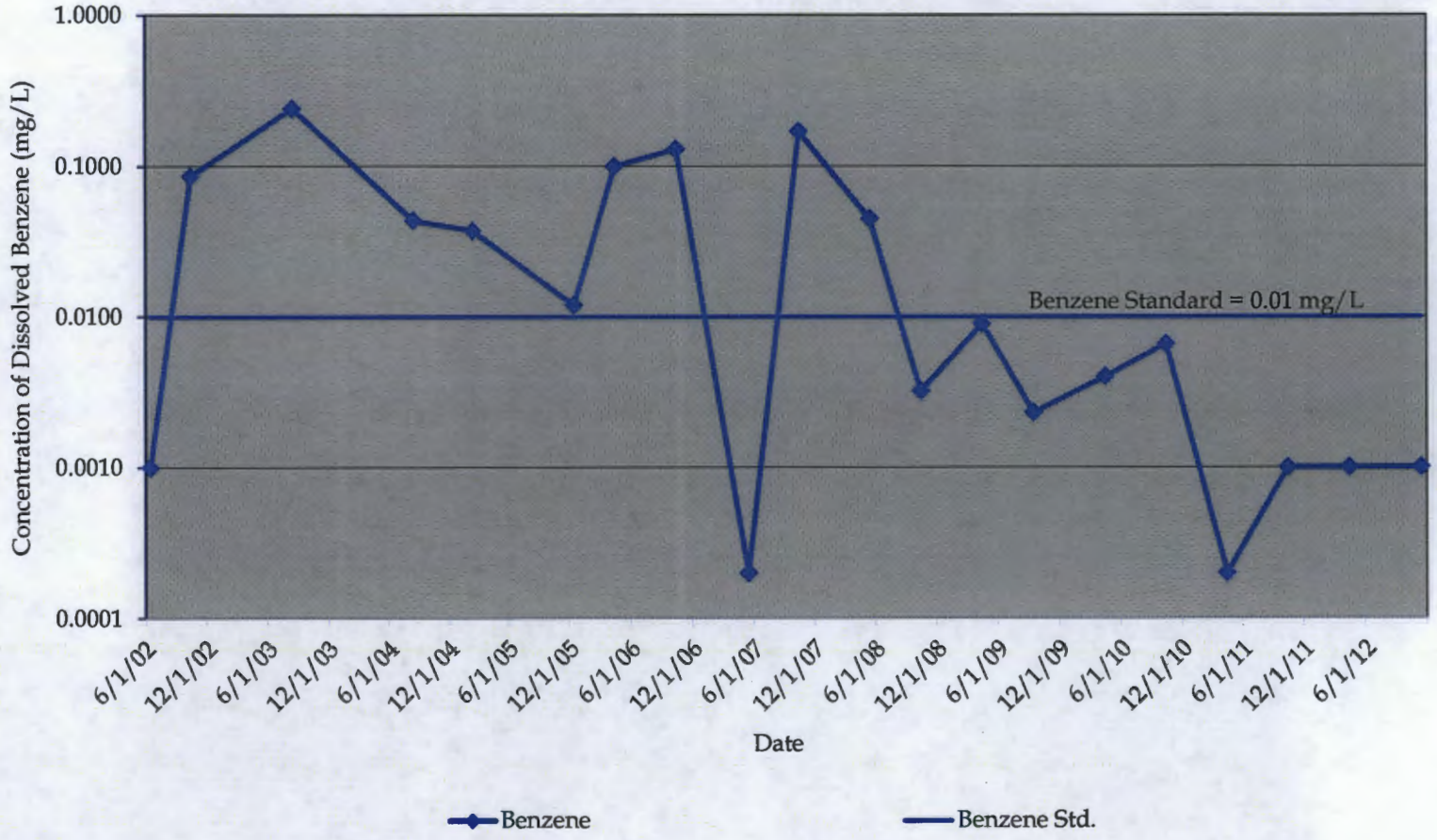
Chevron Enviromental Management Company
Buckeye Compressor Station
Section 36-T17S-R34E, Lea County, NM
Dissolved Benzene in Groundwater
MW-5



Chevron Enviromental Management Company
Buckeye Compressor Station
Section 36-T17S-R34E, Lea County, NM
Dissolved Benzene in Groundwater
MW-6

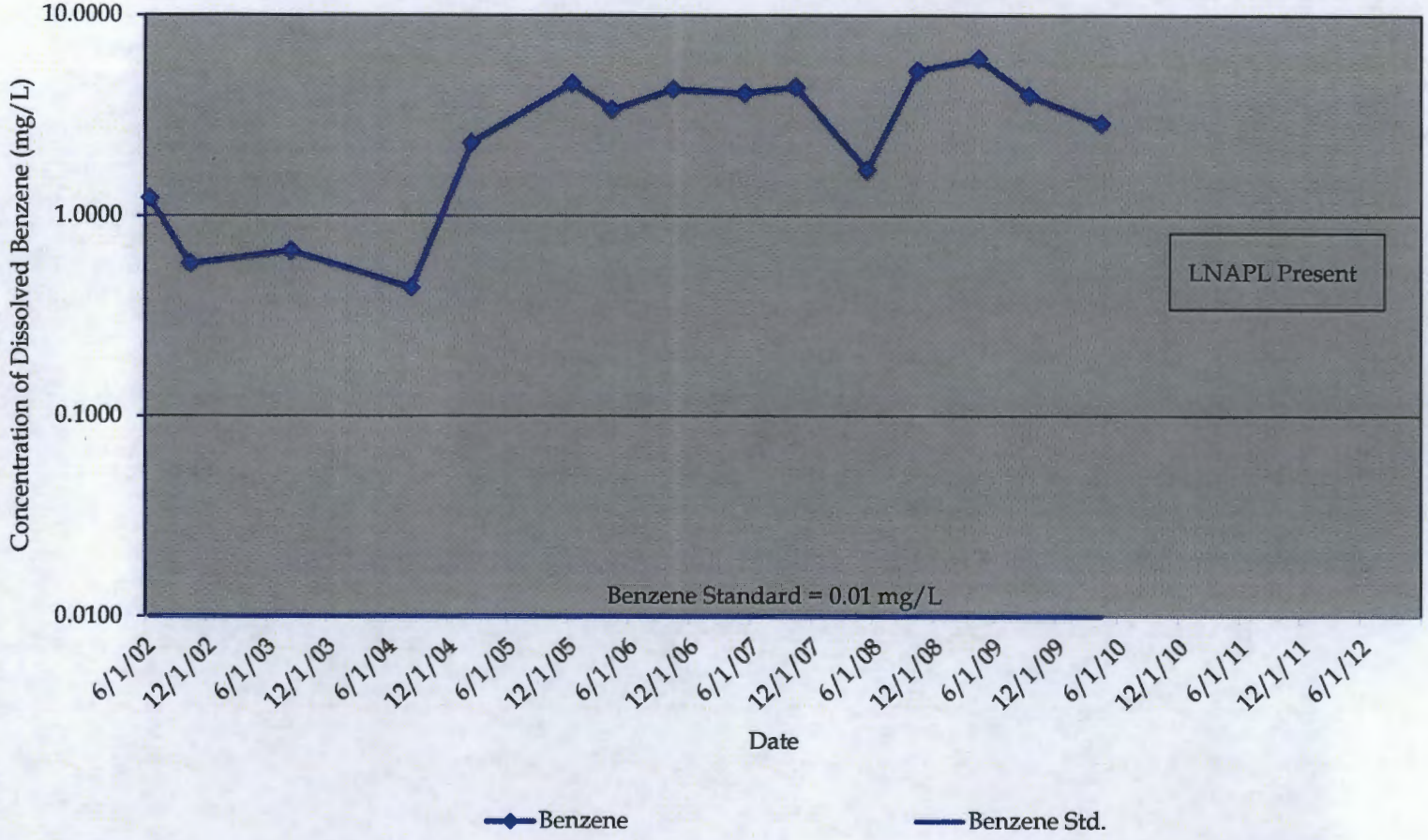


Chevron Enviromental Management Company
Buckeye Compressor Station
Section 36-T17S-R34E, Lea County, NM
Dissolved Benzene in Groundwater
MW-7

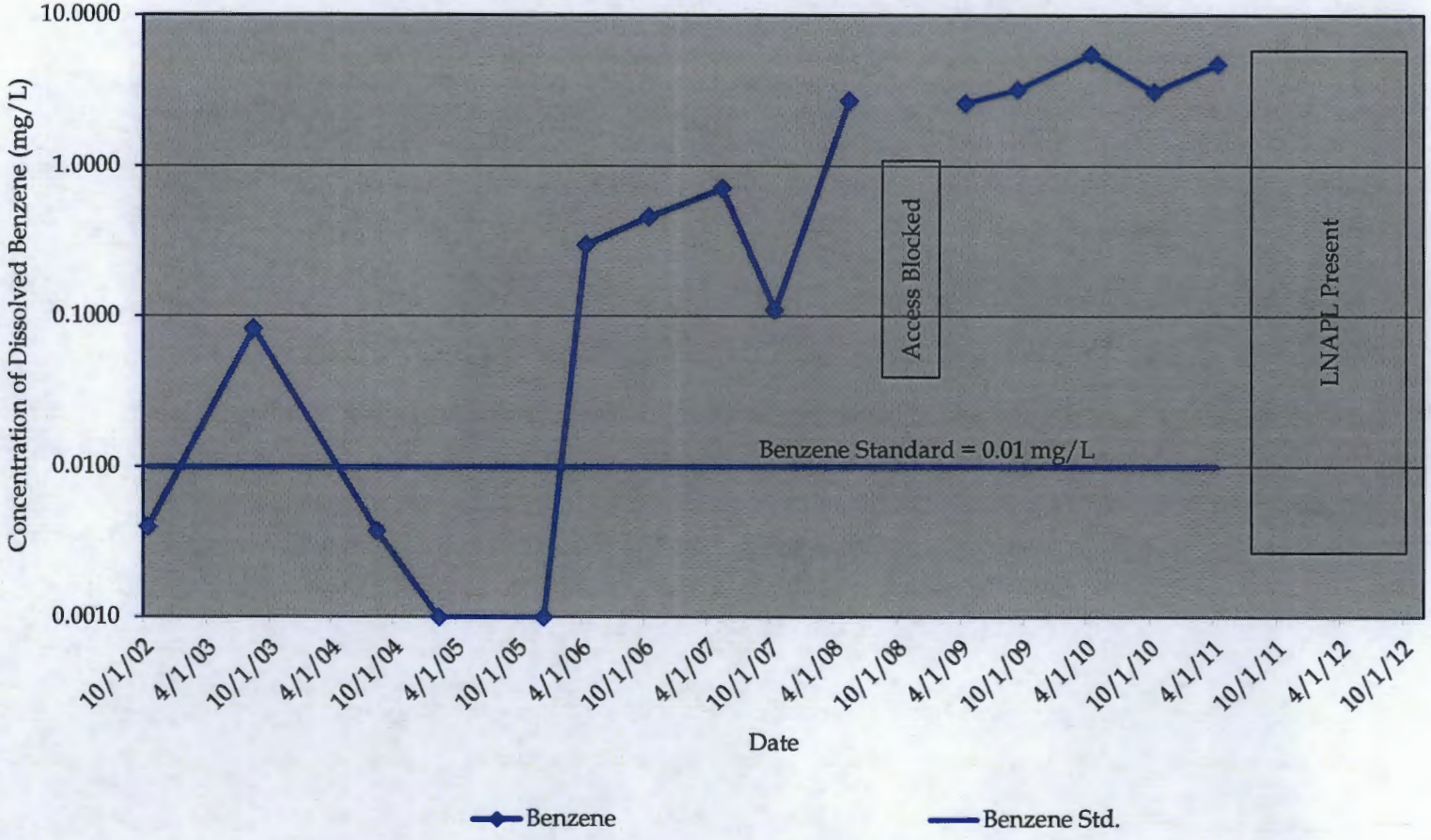


CRA 073014 (2)

Chevron Enviromental Management Company
Buckeye Compressor Station
Section 36-T17S-R34E, Lea County, NM
Dissolved Benzene in Groundwater
MW-8

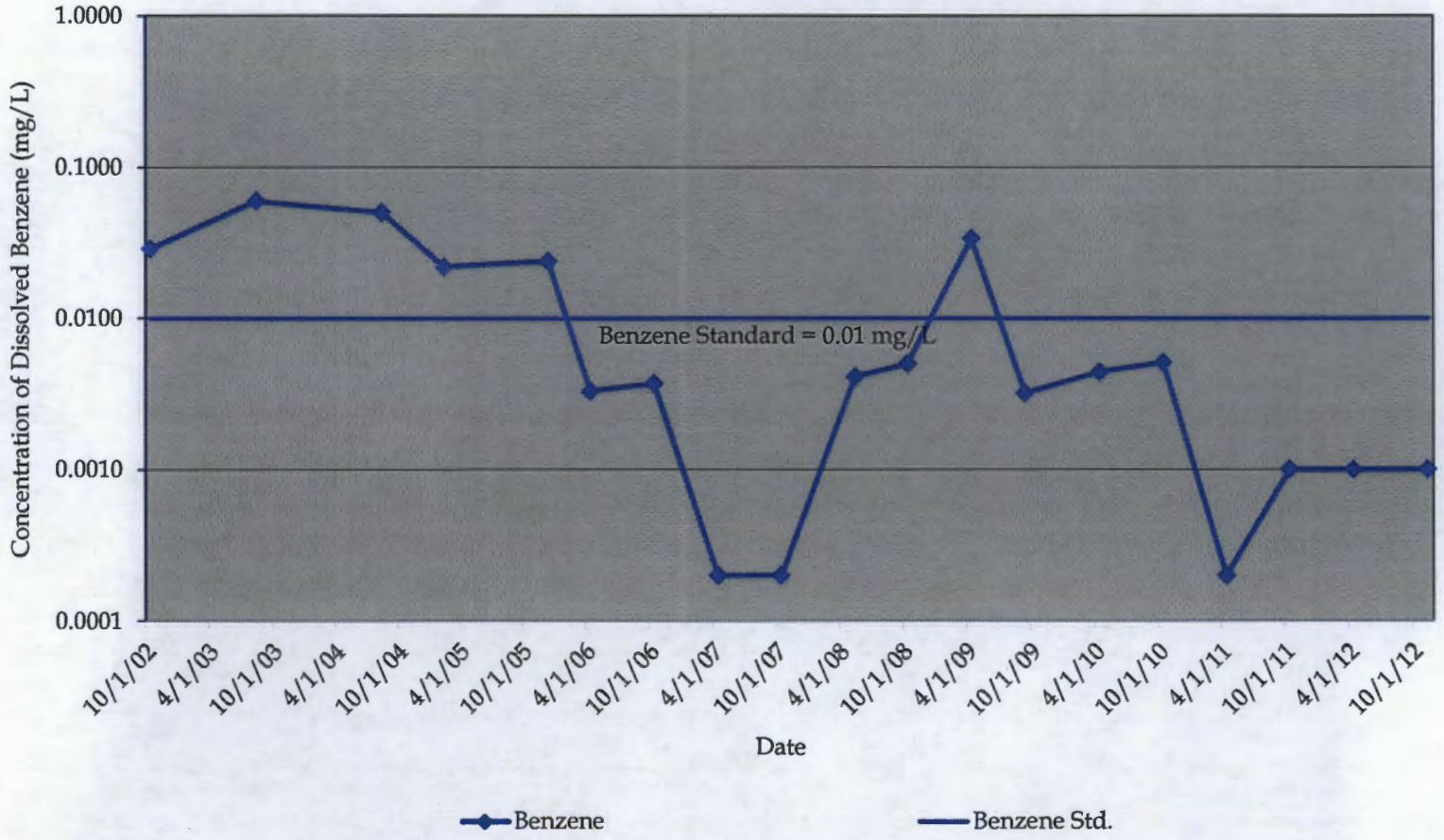


Chevron Enviromental Management Company
Buckeye Compressor Station
Section 36-T17S-R34E, Lea County, NM
Dissolved Benzene in Groundwater
MW-9

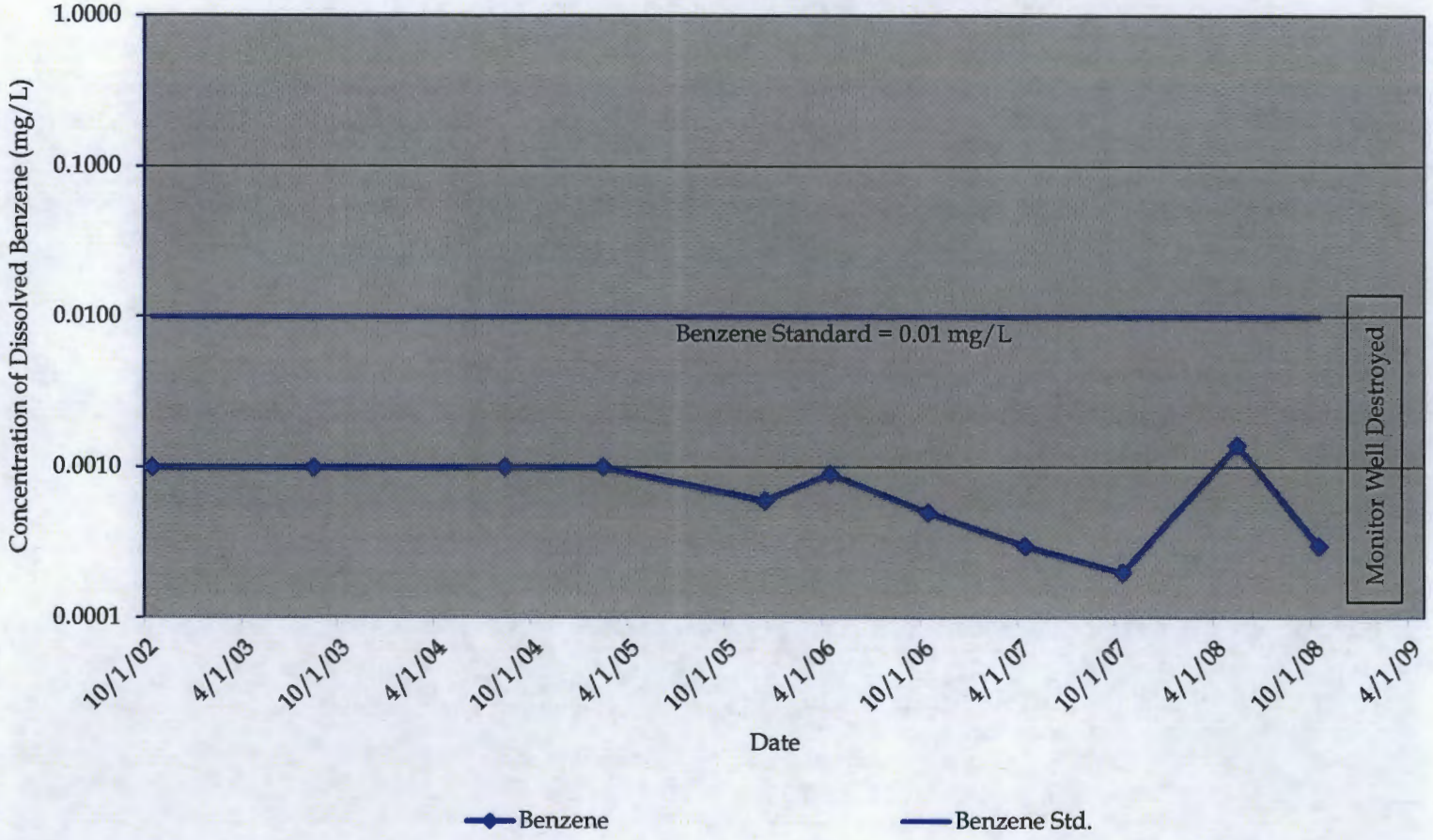


CRA 073014 (2)

Chevron Enviromental Management Company
Buckeye Compressor Station
Section 36-T17S-R34E, Lea County, NM
Dissolved Benzene in Groundwater
MW-10



Chevron Enviromental Management Company
Buckeye Compressor Station
Section 36-T17S-R34E, Lea County, NM
Dissolved Benzene in Groundwater
MW-11



Chevron Enviromental Management Company
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Dissolved Benzene in Groundwater
MW-12

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Buckeye Compressor Station
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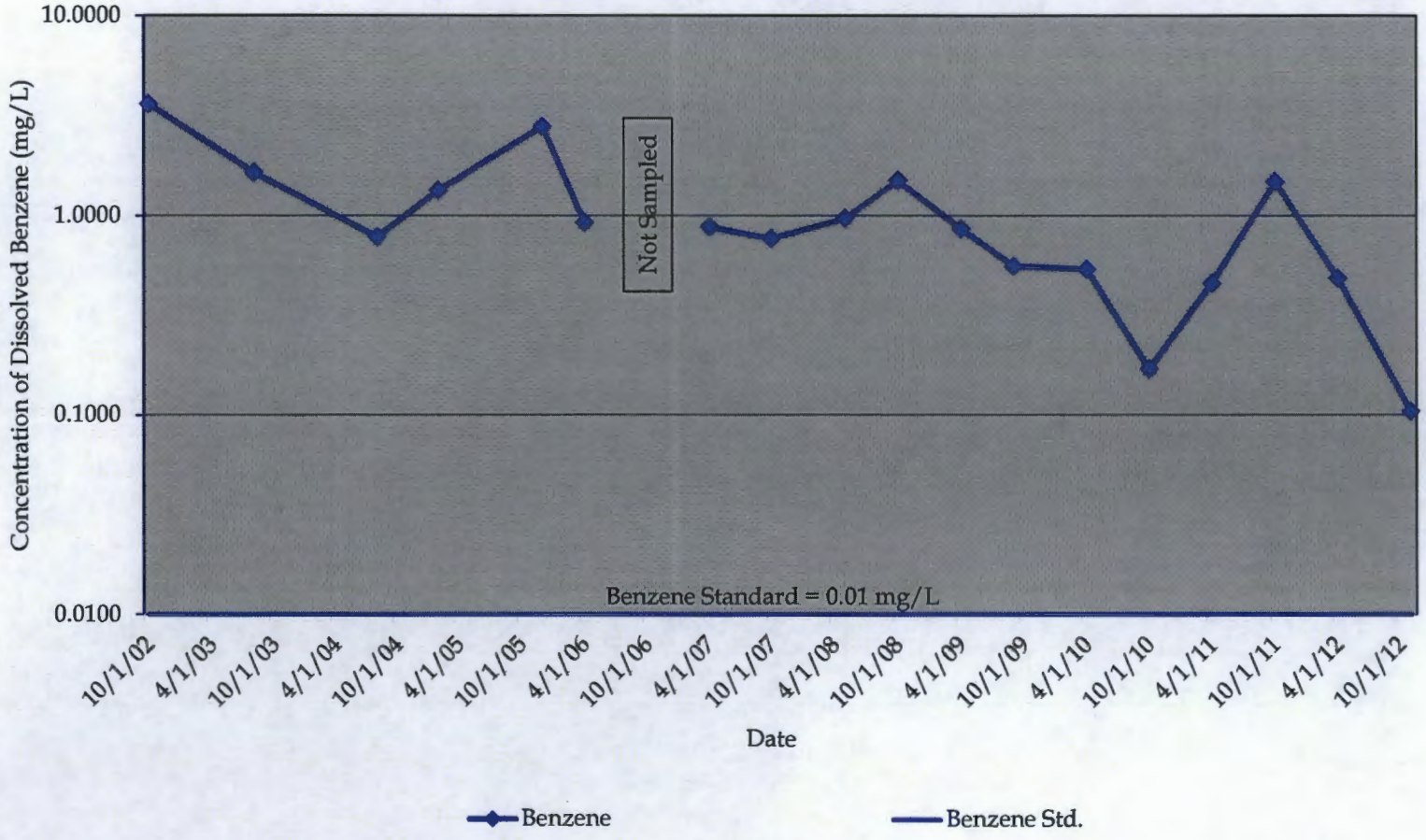
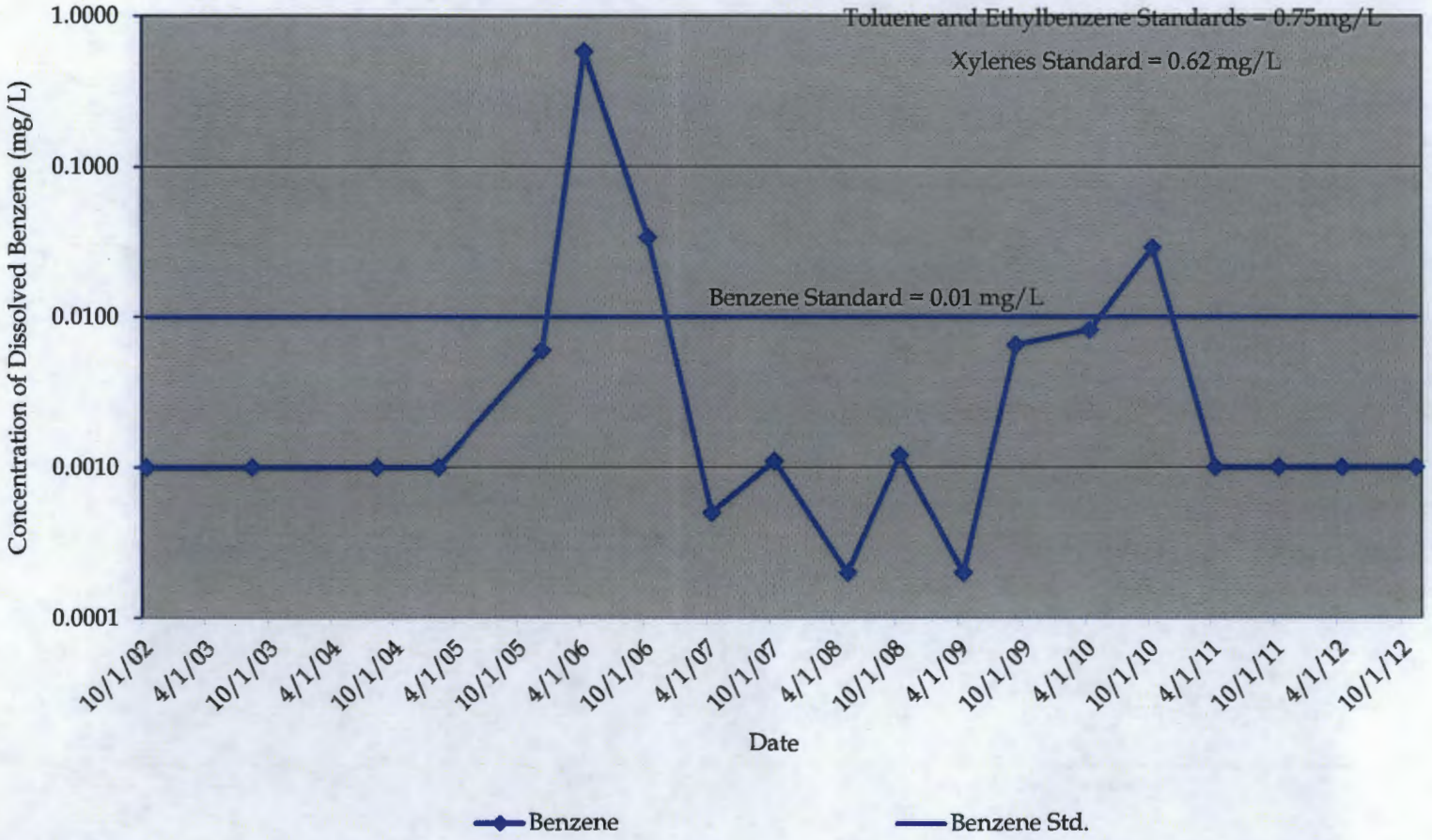
MW-13

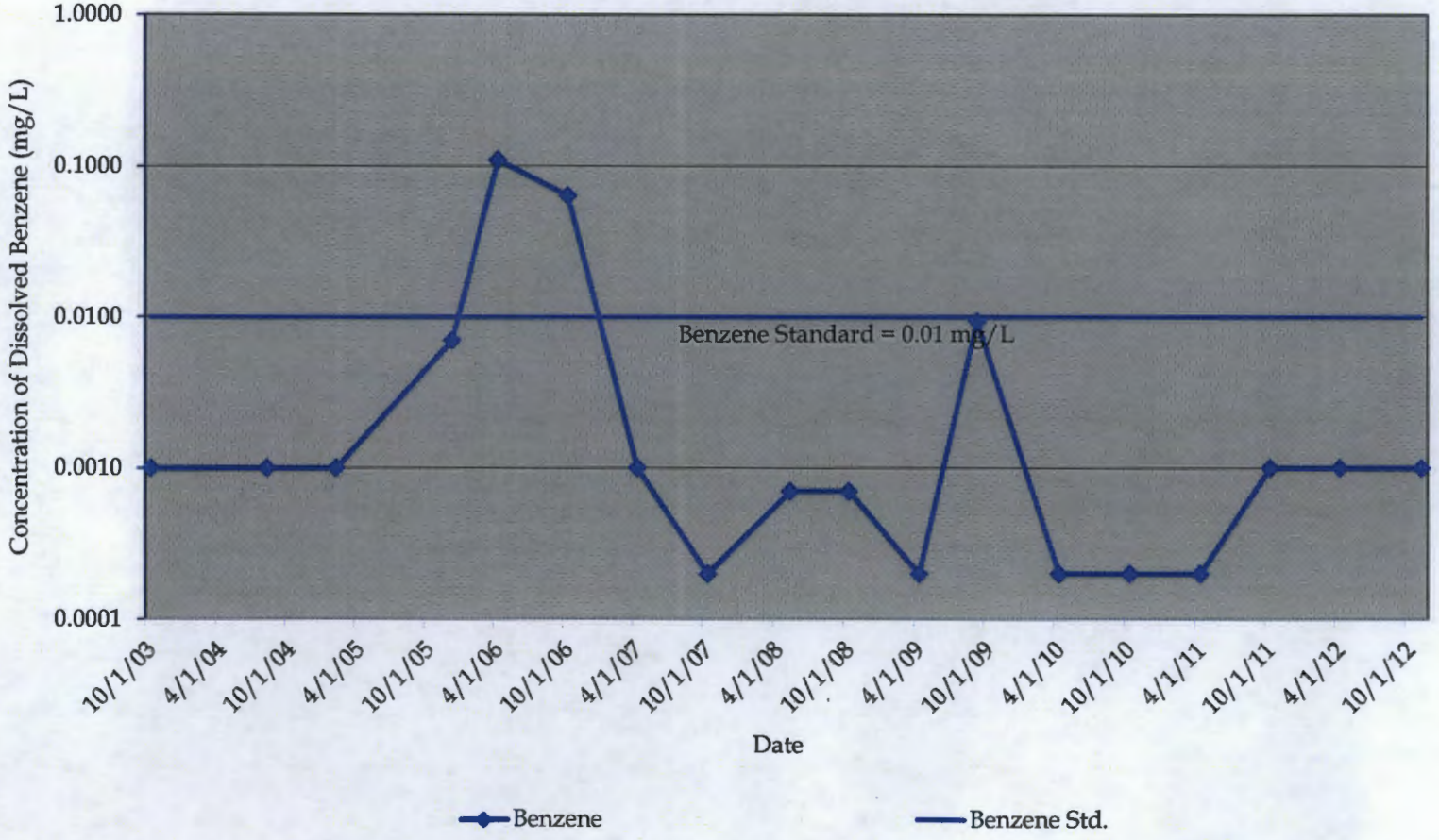
Chevron Enviromental Management Company
Buckeye Compressor Station
Section 36-T17S-R34E, Lea County, NM
Dissolved Benzene in Groundwater
MW-14



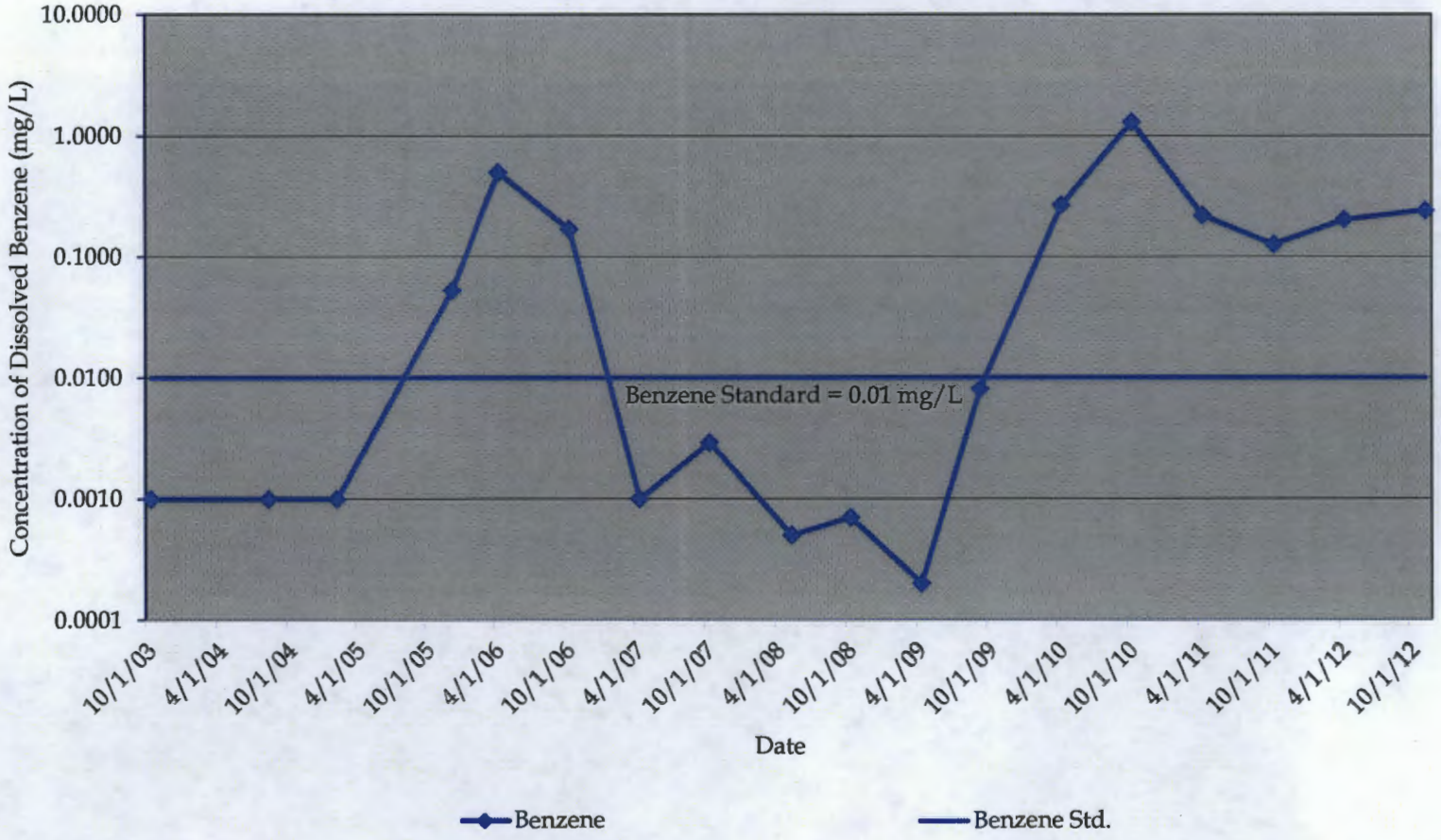
Chevron Enviromental Management Company
Buckeye Compressor Station
Section 36-T17S-R34E, Lea County, NM
Dissolved Benzene in Groundwater
MW-15



Chevron Enviromental Management Company
Buckeye Compressor Station
Section 36-T17S-R34E, Lea County, NM
Dissolved Benzene in Groundwater
MW-16



Chevron Enviromental Management Company
Buckeye Compressor Station
Section 36-T17S-R34E, Lea County, NM
Dissolved Benzene in Groundwater
MW-17



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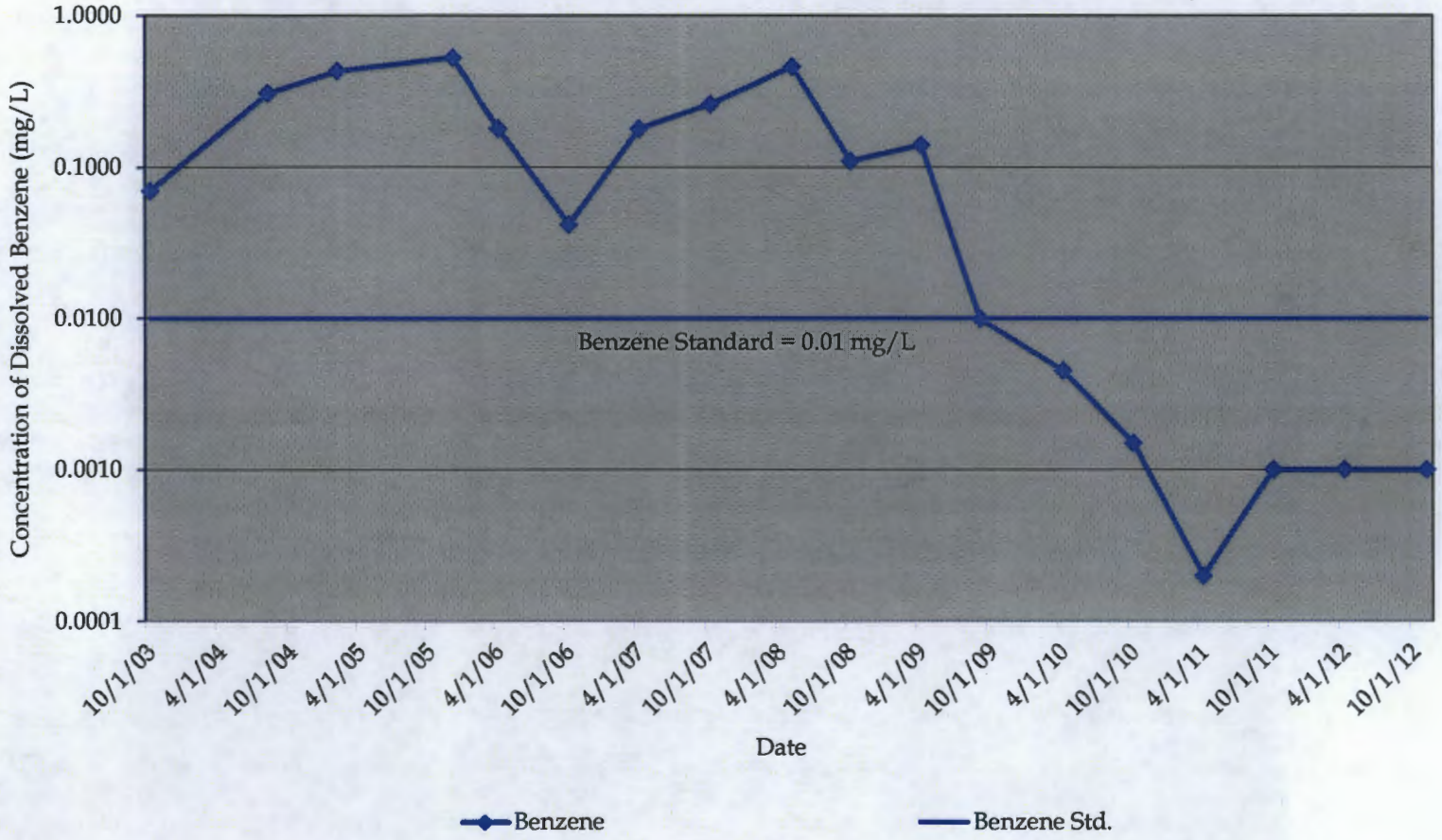
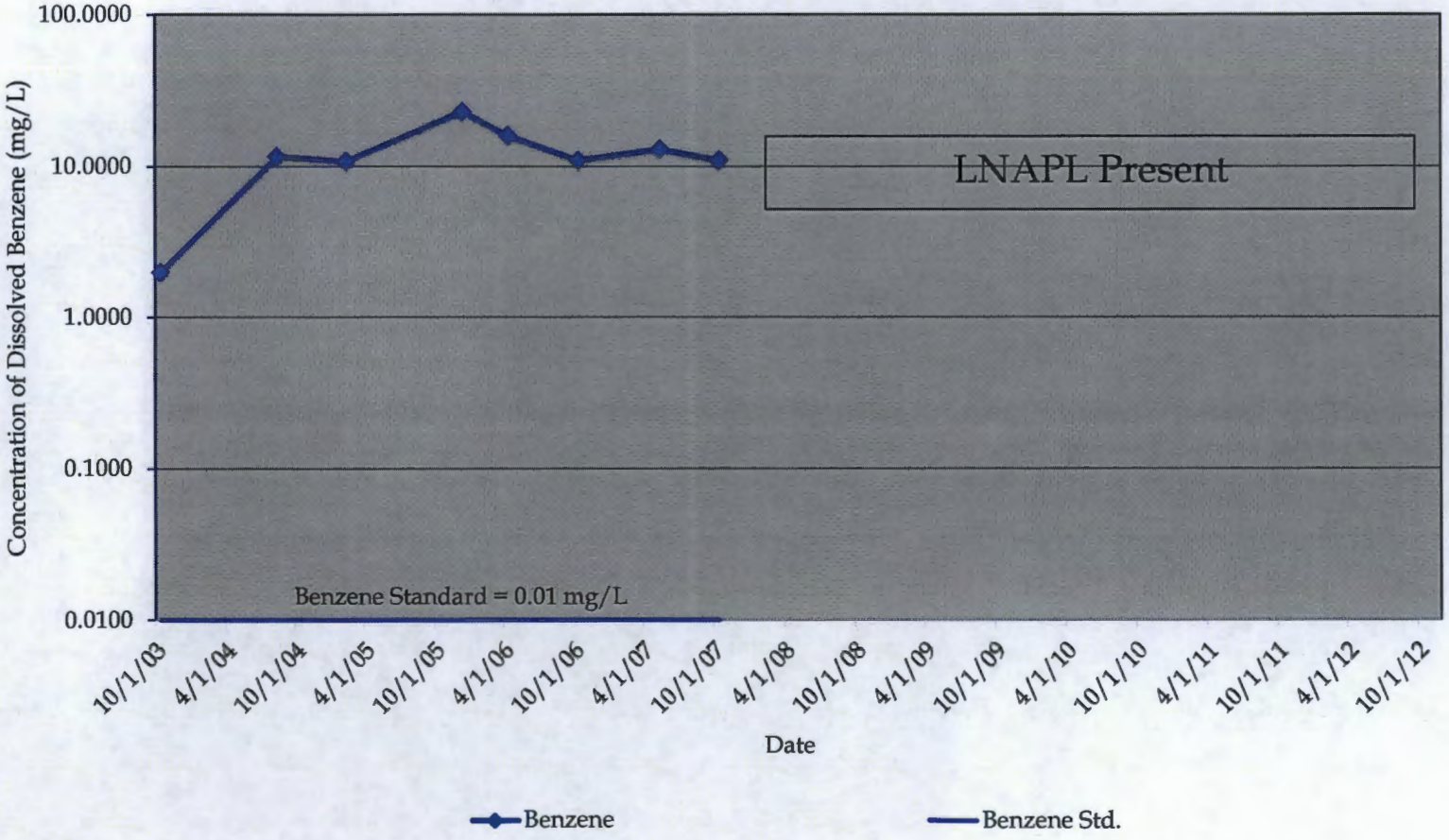
Chevron Enviromental Management Company
Buckeye Compressor Station
Section 36-T17S-R34E, Lea County, NM
Dissolved Benzene in Groundwater
MW-18



Chevron Enviromental Management Company
Buckeye Compressor Station
Section 36-T17S-R34E, Lea County, NM
Dissolved Benzene in Groundwater
MW-19



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Chevron Enviromental Management Company
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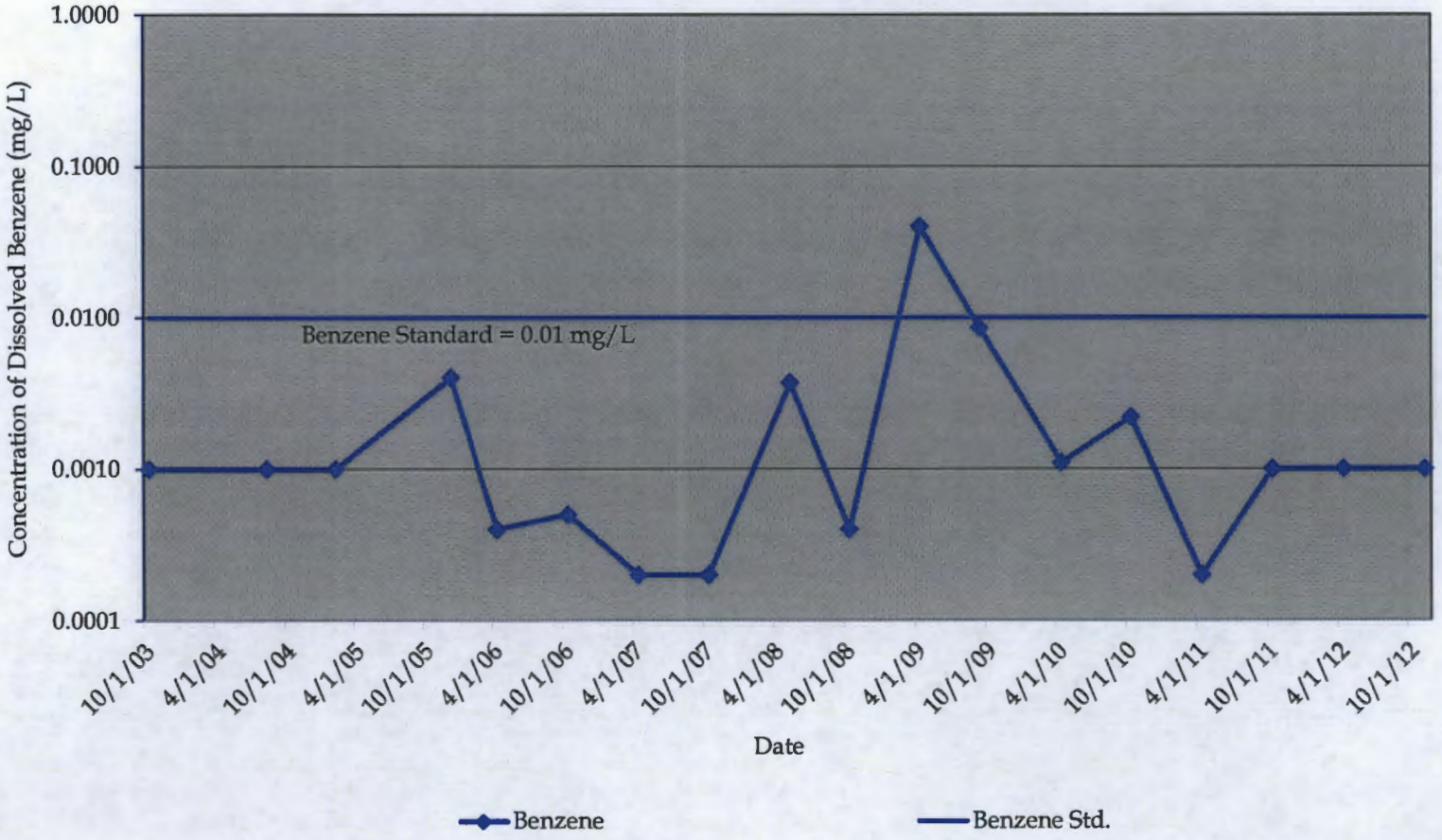
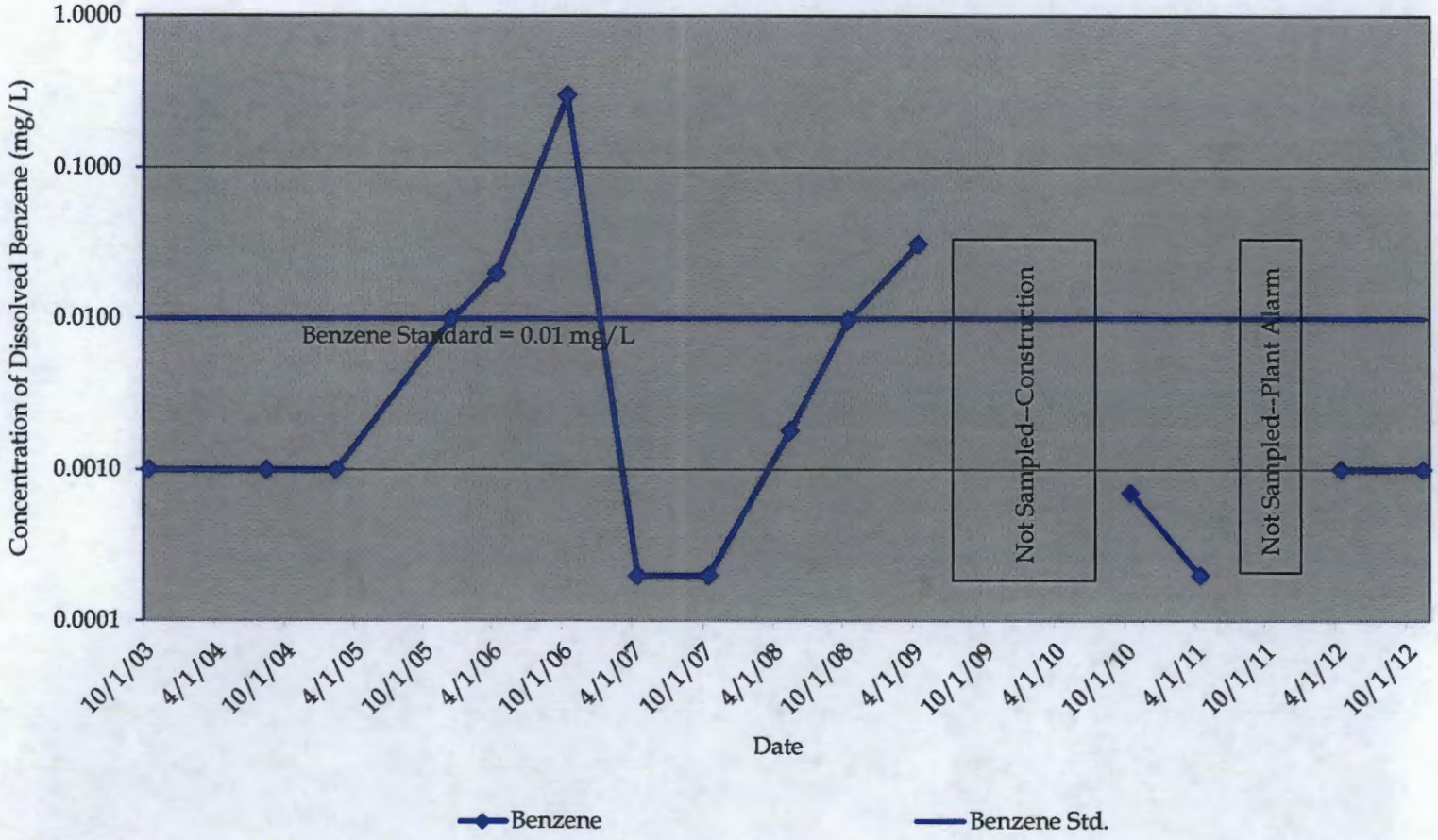
Section 36-T17S-R34E, Lea County, NM
Dissolved Benzene in Groundwater
MW-20



Chevron Enviromental Management Company
Buckeye Compressor Station
Section 36-T17S-R34E, Lea County, NM
Dissolved Benzene in Groundwater
MW-21



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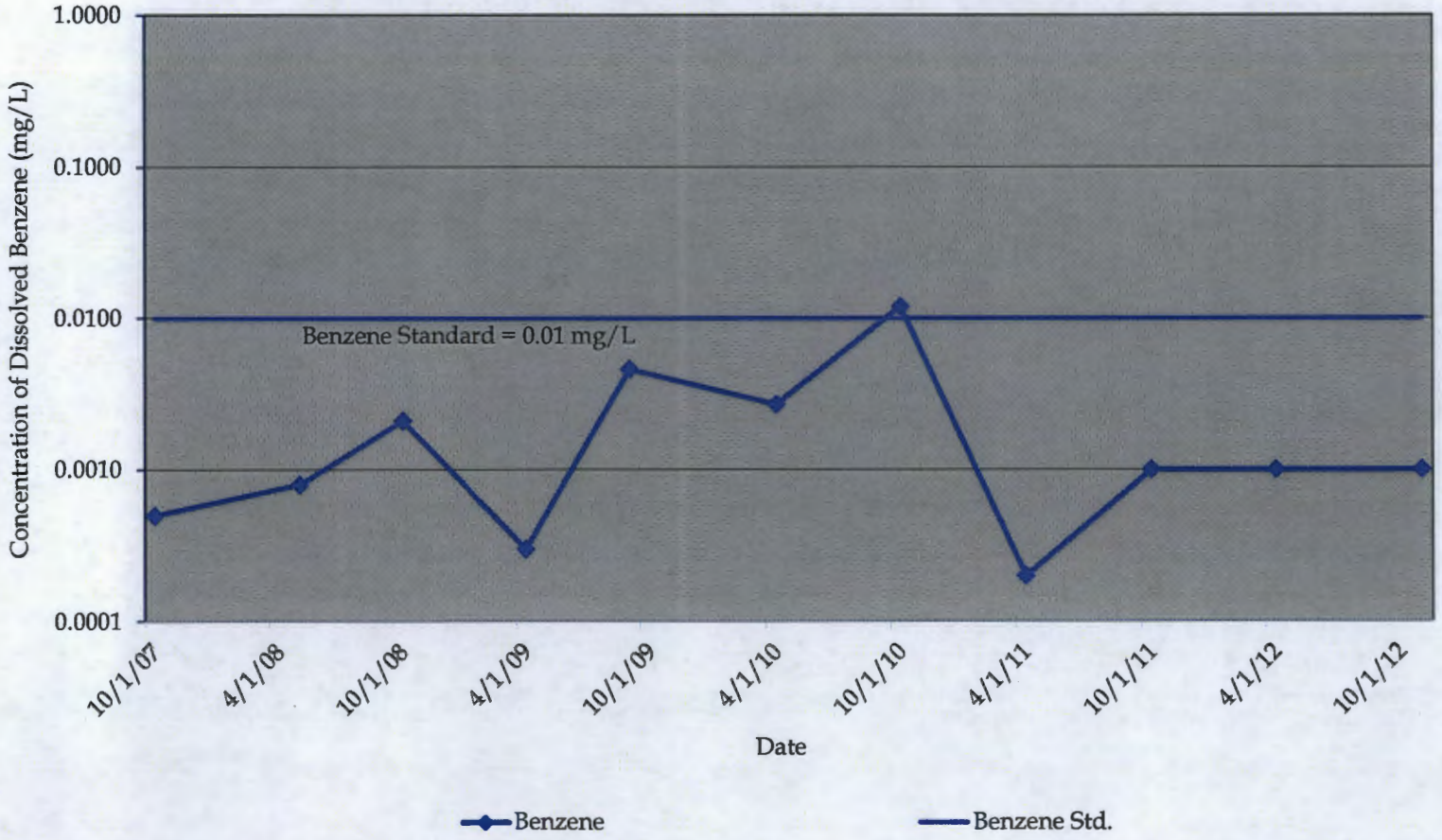
Chevron Enviromental Management Company
Buckeye Compressor Station
Section 36-T17S-R34E, Lea County, NM
Dissolved Benzene in Groundwater
MW-22



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Chevron Enviromental Management Company
Buckeye Compressor Station
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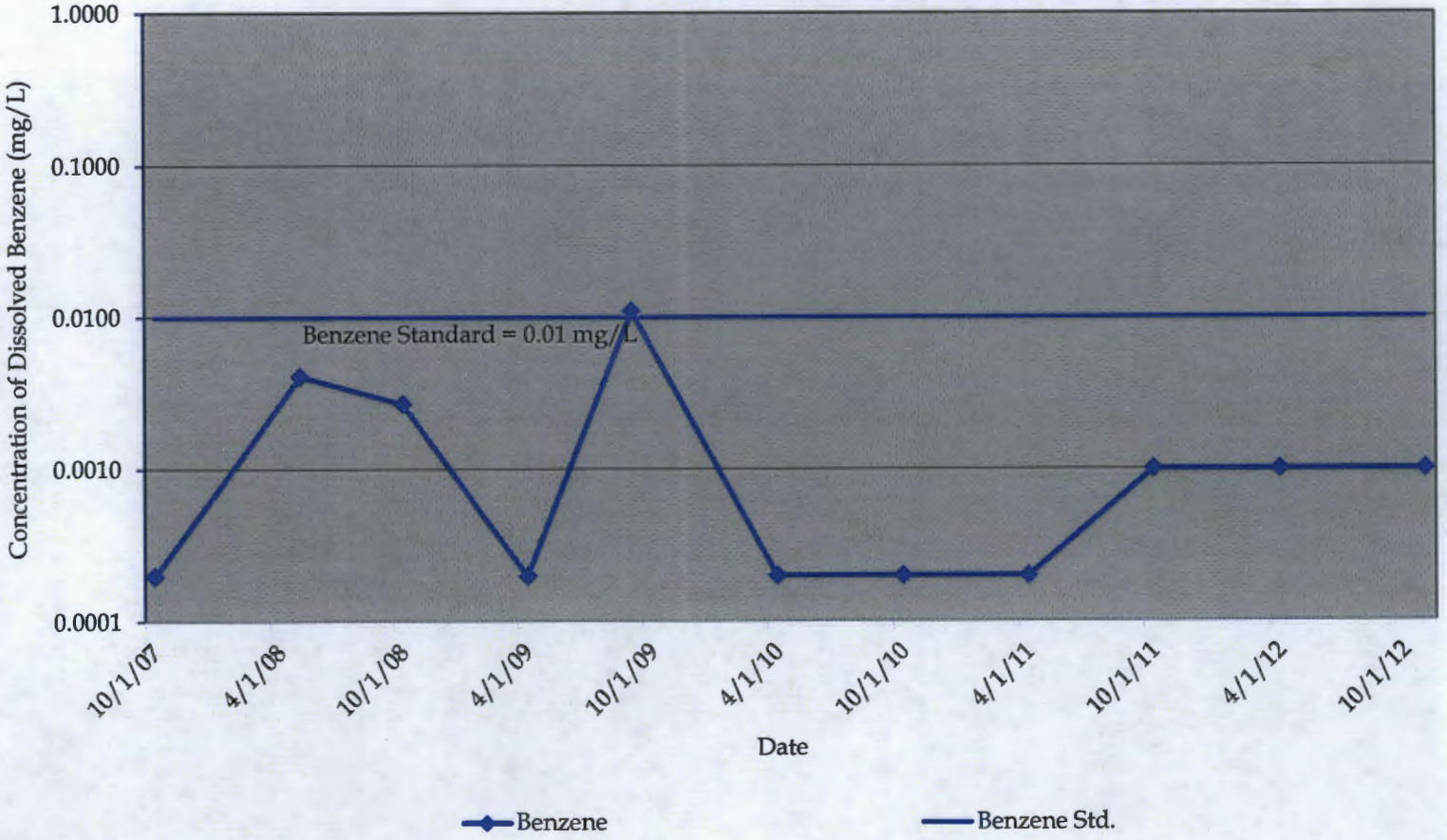
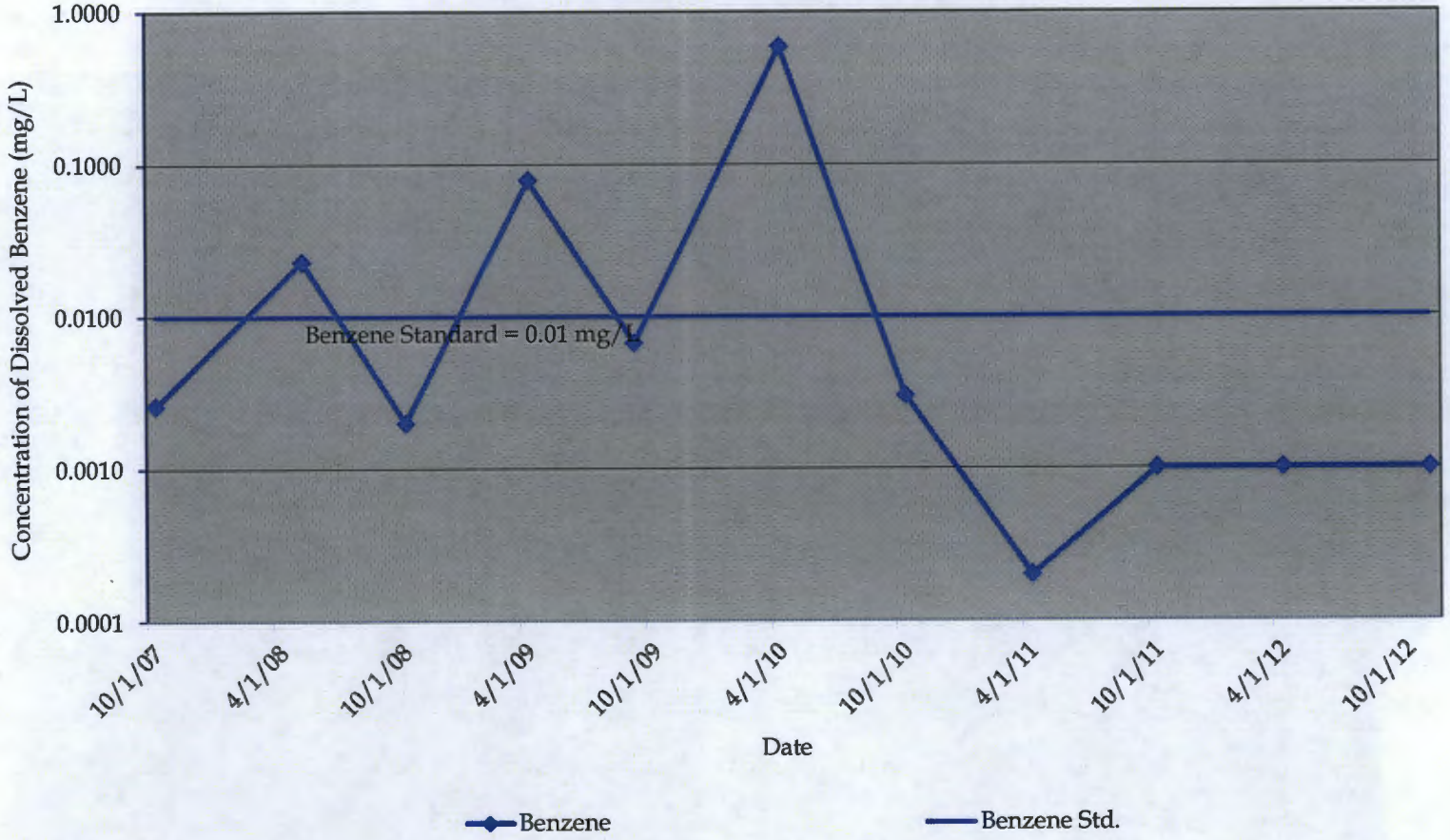
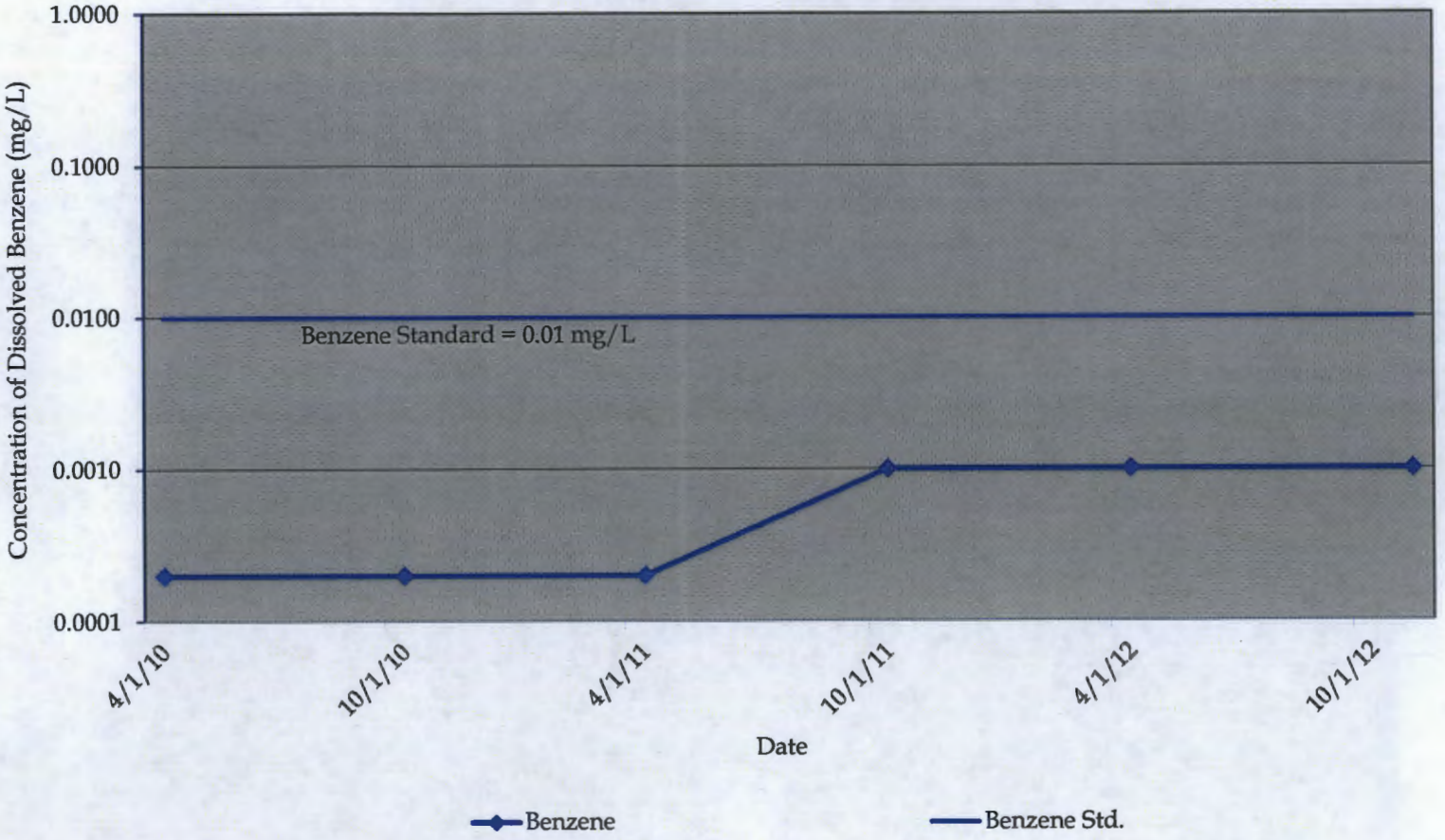
Dissolved Benzene in Groundwater
MW-23



Chevron Enviromental Management Company
Buckeye Compressor Station
Section 36-T17S-R34E, Lea County, NM
Dissolved Benzene in Groundwater
MW-24



Chevron Enviromental Management Company
Buckeye Compressor Station
Section 36-T17S-R34E, Lea County, NM
Dissolved Benzene in Groundwater
TW-11



Chevron Enviromental Management Company
Buckeye Compressor Station
Section 36-T17S-R34E, Lea County, NM
Dissolved Benzene in Groundwater
TW-13